DISTANCE MEASURING EQUIPMENT (DME) LDB-103

INTERCONNECTION DRAWINGS

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CE DECLARATION OF CONFORMITY

FABRICANTE PRODUCTO: INDRA
PRODUCT MANUFACTURER:

DIRECCION: Ctra. De Loeches, 9: Torrejón de Ardoz, C.P:28850 (Madrid)-Spain
ADDRESS:

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DECLARE UNDER THEIR RESPONSIBILITY THAT THE PRODUCT:

Nombre Distance Measuring Equipment (DME)
Name

Marca INDRA
Trademark

Modelo LDB-103
Model

Número de serie 0063400000100
Serial number

CUMPLE LOS REQUISITOS DE LAS DIRECTIVAS:
CONFORMS WITH THE REQUISITES OF THE DIRECTIVES

R&TTE, 99/5/CE Radio and Telecommunication Terminals Directive.

- EMC: ETSI EN 301 489-1 V. 1.8.1.
- SAFETY: EN 60950-1:2006, AS NZS 60950-1:2003/A1:2006, EN60215:1989/A1:1992/A2:1994.
- HUMAN EXPOSURE TO EMF: EN 50383 (2002).
- PROTECTION OF THE SPECTRUM: Essential Radio Test Suite based on requirements of the ETSI EN 300 086-2 v1.2.1.
- ICAO Annex 10 Volume I Radio Navigation Aids.

Nombre: José Luis Angoso
Name

Firmado:
Signed

Cargo: Director de Innovación y Calidad **Fecha/*Date*: 09/11/2010**
Function **Lugar/Place: Av. Bruselas,35-Alcobendas (Madrid)**

N 15266

TECHNICAL MANUAL DRAWINGS

Projet: DISTANCE MEASURING EQUIPMENT (DME) LDB-103

Program: Radio Navigation Systems

	INDRA			
	Nom	Signature	Date	Fonction
Élaboré	M.E. GARCÍA REGUERAS		8-04-2014	RADIONAVIGATION ENGINEER
Révisé	J.L. SANCHEZ BUENDÍA		8-04-2014	RADIONAVIGATION SYSTEM ENGINEER
Approuvé	J.A. BLAZQUEZ		8-04-2014	QUALITY ASSURANCE MANAGER
Autorisé	P. BRAVO		8-04-2014	RADIO NAVIGATION SYSTEMS PRODUCT MANAGER

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List of Abbreviations

CMU	Control and Monitoring Unit	**DME**	Distance Measuring Equipment
EC	Congiguration Item	**ePC**	Embedded PC
EIU	External Interface Unit	**ETS**	Ethernet Switch
HPA	High Power Amplifier	**HW**	Hardware
Hz	Hertz (unit of frequency)	**IBIT**	Initial BIT
LCU	Local Control Unit	**LRU**	Line Replaceable Unit
MTU	Monitor Test Unit	**NMP**	Network Management Processor
N/A	Not Applicable	**N/U**	Not Used
PSU	Power Supply Unit	**RCU**	Relay Changeover Unit
RF	Radiofrequency	**RFS**	RF Shelf
RXU	Receiver Unit	**TBC**	To Be Confirmed
TXU	Transmitter Unit		

Trademarks and Product Names

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FIRST AIDS IN CASE OF ELECTRIC SHOCK

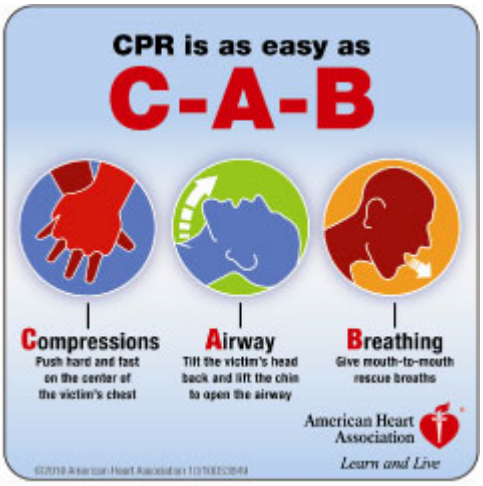
The three steps of cardiopulmonary resuscitation (CPR) is the recommended technique for use in any case of electrical shock. It is comparatively simple and produces the best and quickest results when correctly applied.

Send for medical assistance if possible.

Start without delay but do not touch the victim until the circuit is broken.



1. Break the electrical circuit by switching OFF or, if not possible, PROTECT YOURSELF with dry insulating material and pull the victim clear of the conductor.
2. Start chest compressions. Place the heel of your hand on the center of the victim's chest. Put your other hand on top of the first with your fingers interlaced.
3. Press down so you compress the chest at least 2 inches in adults and children and 1.5 inches in infants. "One hundred times a minute or even a little faster is optimal.
4. If you're been trained in CPR, you can now open the airway with a head tilt and chin lift. Make a brief inspection of the mouth and throat and ensure that they are clear of obvious obstruction.
5. Pinch closed the nose of the victim. Take a normal breath, cover the victim's mouth with yours to create an airtight seal, and then give two, one-second breaths as you watch for the chest to rise.
6. Continue compressions and breaths -- 30 compressions, two breaths -- until medical aid arrives.



WARNING ENERGY HAZARD

High levels of electrical energy are supplied by the AC/DC power supplies and distributed by the 27VDC supply inside the cabinet. Be careful not to contact the connectors supplying the 27VDC, or any component connected to the 27V DC, with any metallic object while servicing the cabinet.

Note that to fully remove 27VDC turn off mains AC/DC power supplies/Chargers and isolate the standby batteries if connected.

Only authorized maintenance personnel shall be given access to and perform maintenance on the cabinet.

PROTECTING ELECTRONIC EQUIPMENT AGAINST ELECTRO-STATIC DISCHARGE, ESD

This electronic equipment and its spare parts are built from semiconductor components which are sensitive to ESD. The equipment may be damaged or suffer from reduced performance and lifetime if improperly handled during servicing and transportation



WARRANTY

To retain the **Indra** warranty the following precautions must be taken:

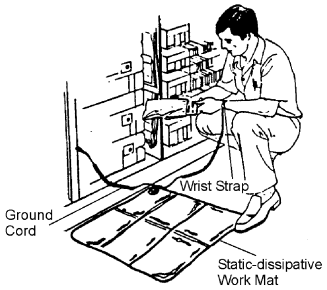
- All semiconductor components and modules containing semiconductors shall be handled and transported as ESD-sensitive.

HANDLING PROCEDURE

To achieve ESD-protection, the operator shall use a portable static-dissipative field kit containing dissipative mat, wrist strap and ground cord or equivalent protection connected to same potential as the equipment, see picture.

Nonconductive objects such as synthetic clothing, Styrofoam™ coffee cups, cigarette packs, vinyl work order envelopes or common plastics shall be removed from the work area as they may cause damage to semiconductor components.

- Connect the dissipative mat to the equipment via the ground cord and connect the wrist strap cord to the mat.
- The operator must wear the wrist-strap before modules are removed or com-ponents touched.
- Anytime a module must be laid down, it should be placed only on the grounded dissipative mat.
- All electronic equipment must be properly reinserted in the rack or protected by placing in ESD-shielding bags or boxes before the ground cord, wrist strap cord or wrist strap are removed.



TRANSPORTATION PROCEDURE

Electronic equipment, spare part modules or faulty modules removed from the equipment, to be returned for repair shall be stored and transported in ESD-shielding bags or equivalent.

The electrostatic shielding package shall not be opened without the operator and work area being properly protected as stated above.

SHIPPING PRECAUTIONS

All modules must be packed in electrostatic conductive (ESD) bags or boxes before shipping.

REVISION NUMBERS

Modules used in the system, which have the same type of designation, might in particular cases have different revision numbers. This is due to the production of modules in different batches where changes have taken place from one batch to the next.

New revisions of modules, always replace the old revisions.

Documentation of the latest revision is enclosed in the manual.

Please contact us if information on older revisions of modules are needed for servicing purposes

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1. SECTION 1 – INTRODUCTION

1.1 INTRODUCTION

The Distance Measuring equipment LDB-103 is a radio navigation aid designed and manufactured to meet or exceed the specifications outlined in the ICAO, Annex 10, Volume 1 and Doc 8071, Volume I as well as in EUROCAE ED-57 and all European Directives applicable to radio navigation systems.

The DME (Distance Measuring Equipment) systems are navigation aids recommended by the ICAO and introduced internationally for en-route or terminal aircraft guidance.

1.2 PURPOSE

The purpose of this document is to describe the Family Tree for the Distance Measurement Equipment (DME) LDB-103 Systems.

1.3 DOCUMENTS

The following documents, in the specified edition and revision, are part of this specification within the scope defined herein.

In the event of conflicts between any document below and this one, this document shall have precedence.

1.3.1 Applicable Documents

PPC-ID-649	Sistema de Codificación e Identificación de Indra.
PRG-IDR-080	Gestión de Configuración.
UNE-EN-ISO 9001	Sistemas de Gestión de la Calidad, Requisitos.

1.3.2 Reference Documents

N/A

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2. SECTION 2 - FAMILY TREE

2.1 FAMILY TREE KEY

This Indra's code structure of the HW and/or SW products consists of an Arabic number of thirteen digits, according to the "Procedimiento General. Sistema de Codificación e Identificación de Indra" (PRG-IDR-068).

For the particular case of the Navaid Programmes, two additional digits are added, whose object is the configuration control relating to the model and its compatibility.

The general code assigned to the Distance Measuring Equipment (DME) LDB-103 Systems is:

0063400000100

The structure of the codes is as follow (without spaces):

00634	DEEEEE	FF	.	GG
(1)	(2)	(3)	.	(4)
13 digits code structure of Indra				*2 digits model code*

1) 00634 - Field (1): DME LDB-103 General Code

2) DEEEEE - Field (2): The six numbers have a different meaning according to the class.

   a) For trade articles, the Coding department assigns a certain combination of numbers for each class, with relation to its characteristics.

   b) For HW and SW products of Indra design, the field (2) shall follow the following structure:

D	EEEEE
Range	Identifier

D - Range:

In an obligatory way, the digits to be assigned are:

0	Product object of a Project / System
1	Subsystems / Equipments
2	Subsets
3	Equipped Printed Circuit Boards
4	Non commercial equipped wires
5	Non commercial inductive components
6	Modified commercial elements
7	Printed Circuit Boards
8	Pieces / items of Indra design
9	Software / Firmware of Indra design

EEEEE - Identifier:

The 5 digits of the identifier are used in a sequential way and in chronological order, according to the codification requests arrival order.

3) FF - Field (3): These two digits mean:

   a) For commercial products: The quality or variety level that the manufactures offer for the same article.

   b) For HW and SW products of Indra design: The product version (understanding what affects the functionality or interchangeability), beginning from 00 to 79.

4) GG - Field (4): In order to improve the control of the configuration state, these two digits indicate the model. It identifies the DME functional capacities and/or the particular characteristics include in the basic model for a customer, beginning from 01 to 99.

2.2 CONFIGURATION OPTIONS

2.2.1 Models (GG - Field)

The following different base models for the DME LDB-103 System are available:

- PN 0063420000105 (Model .05): DME LDB-103 1kW / DUAL System with 2 Monitors – CEE 7/4 Convenience Outlets.
- PN 0063420000106 (Model .06): DME LDB-103 1kW / DUAL System with 2 Monitors – AS 3112 Convenience Outlets.
- PN 0063420000107 (Model .07): DME LDB-103 100W / DUAL System with 2 Monitors – CEE 7/4 Convenience Outlets.
- PN 0063420000108 (Model .08): DME LDB-103 100W / DUAL System with 2 Monitors – AS 3112 Convenience Outlets.
- PN 0063420000109 (Model .09): DME LDB-103 1kW / DUAL System with 2 Monitors – NEMA 5 Convenience Outlets.
- PN 0063420000113 (Model .13): DME LDB-103 100W / DUAL System with 2 Monitors – NEMA 5 Convenience Outlets.
- PN 0063420000114 (Model .14): DME LDB-103 100W / DUAL System with 2 Monitors – AS 3112 Convenience Outlets & DC Supply Option.
- PN 0063420000115 (Model .15): DME LDB-103 1kW / DUAL System with 2 Monitors – AS 3112 Convenience Outlets & DC Supply Option.
- PN 0063420000131 (Model .31): DME LDB-103 100W / DUAL System with 2 Monitors – CEE 7/4 Convenience Outlets & Frontal RF Measurement Panel.
- PN 0063420000141 (Model .41): DME LDB-103 1kW / DUAL System with 2 Monitors – CEE 7/4 Convenience Outlets & Frontal RF Measurement Panel.

Any other configuration according to customer requirements shall be configured as a new model and included in this document by a revision

2.3 FAMILY TREE DIAGRAMS

2.3.1 Available Rack Models

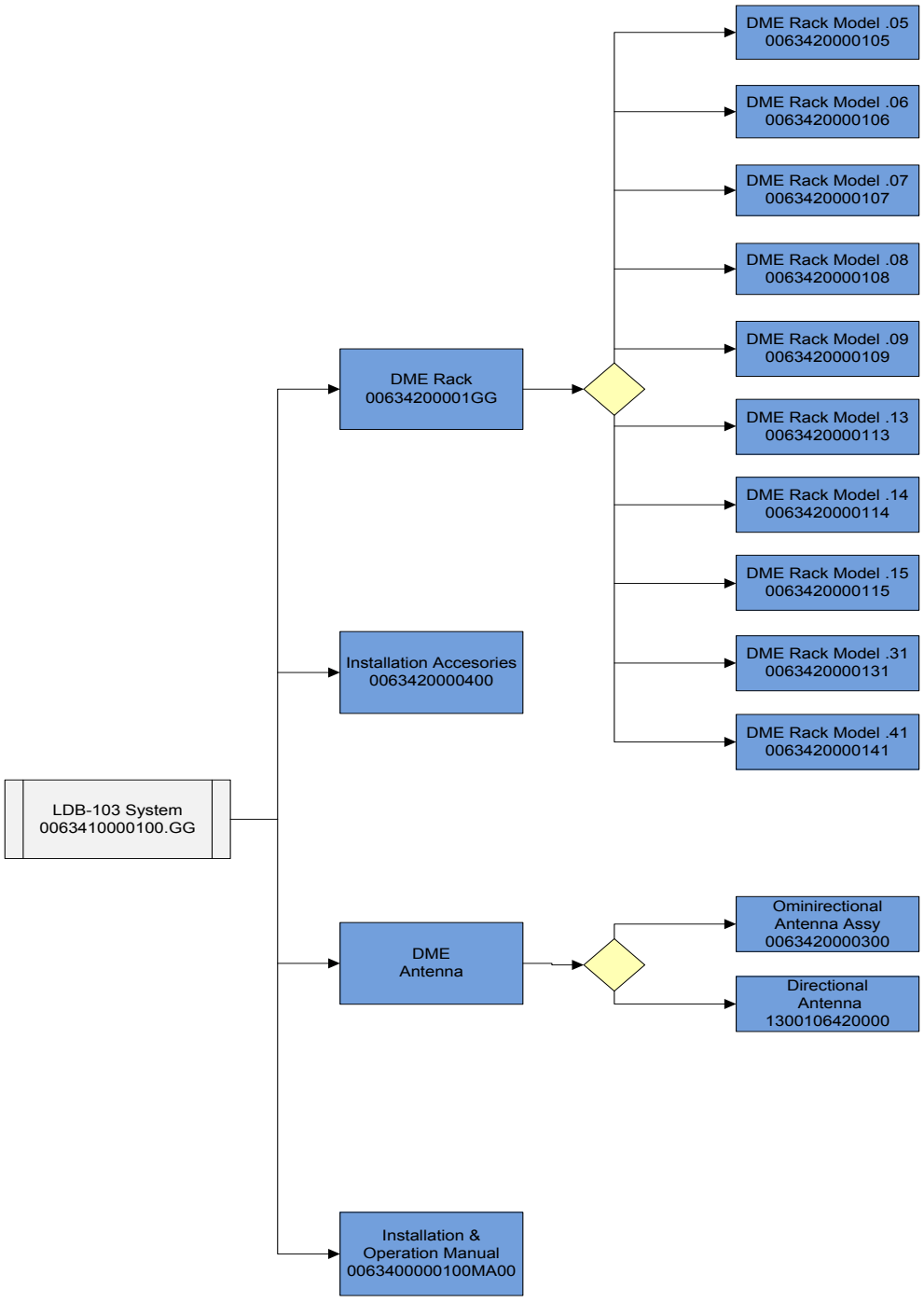


FIGURE 2-1 AVAILABLE RACK MODELS

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2.3.2 Model 05: PN 0063420000105

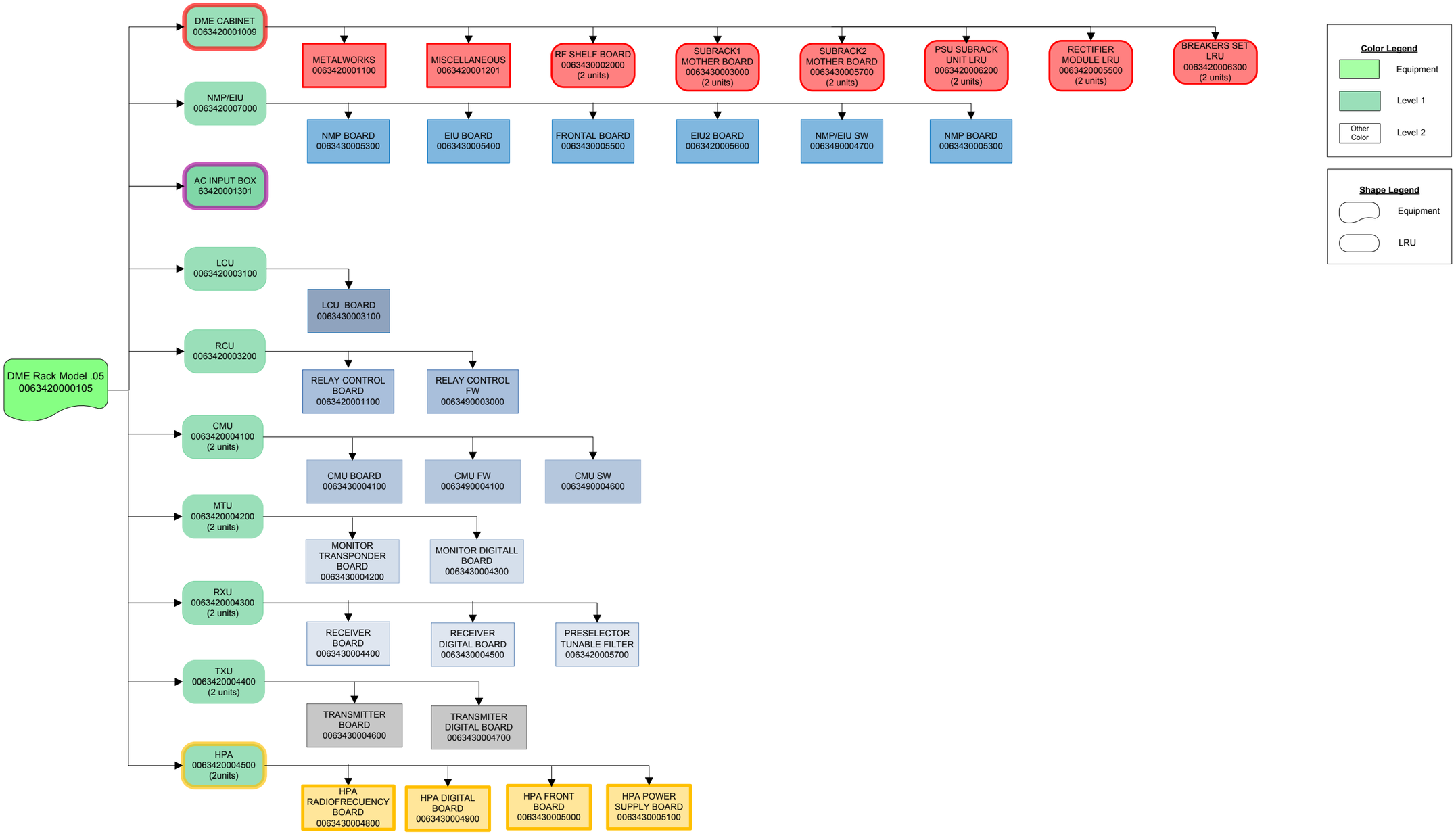


FIGURE 2-2: MODEL 05- PN 0063420000105

2.3.3 Model 06: PN 0063420000106

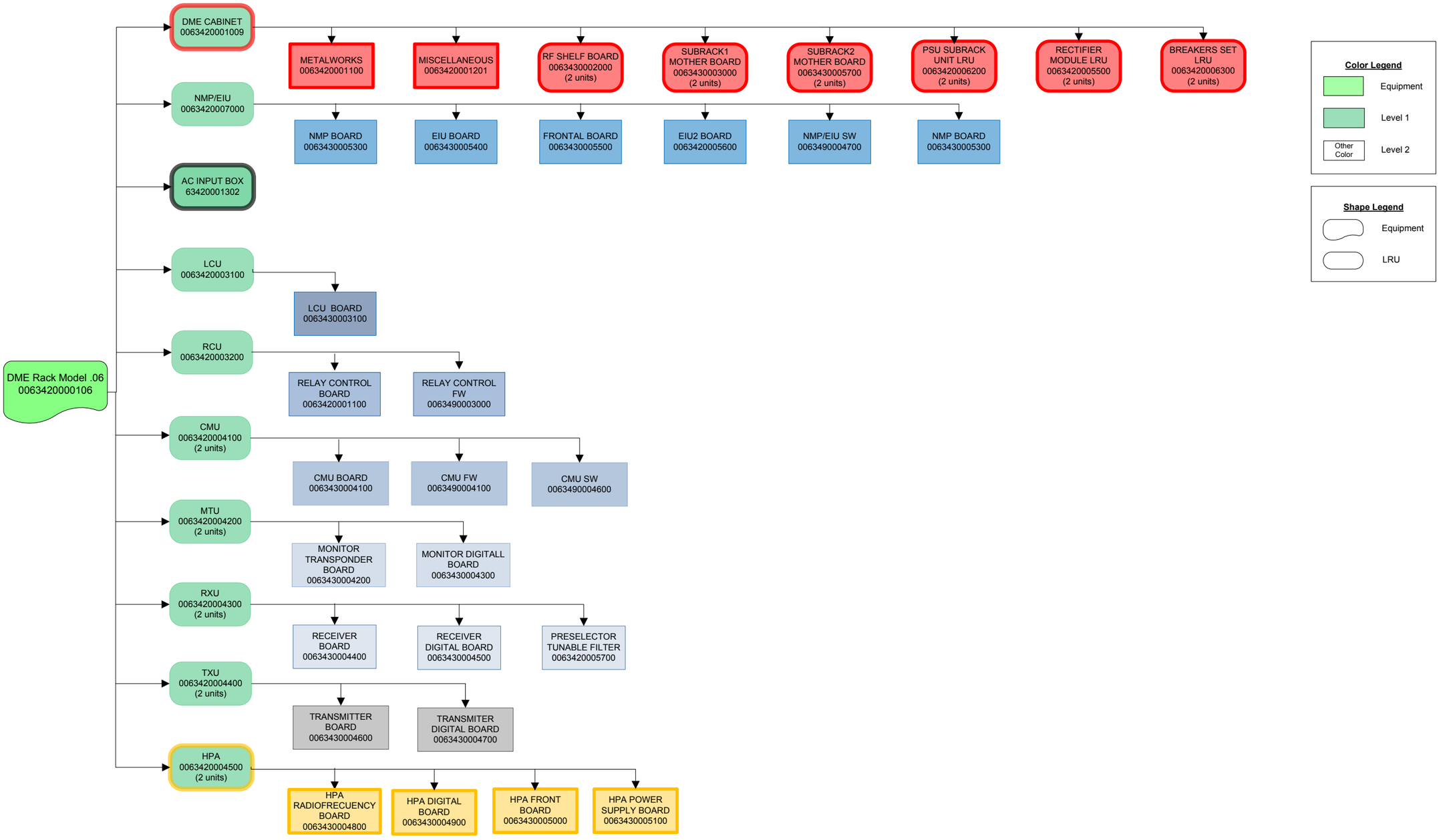


FIGURE 2-3: MODEL 06- PN 0063420000106

2.3.4 Model 07: PN 0063420000107

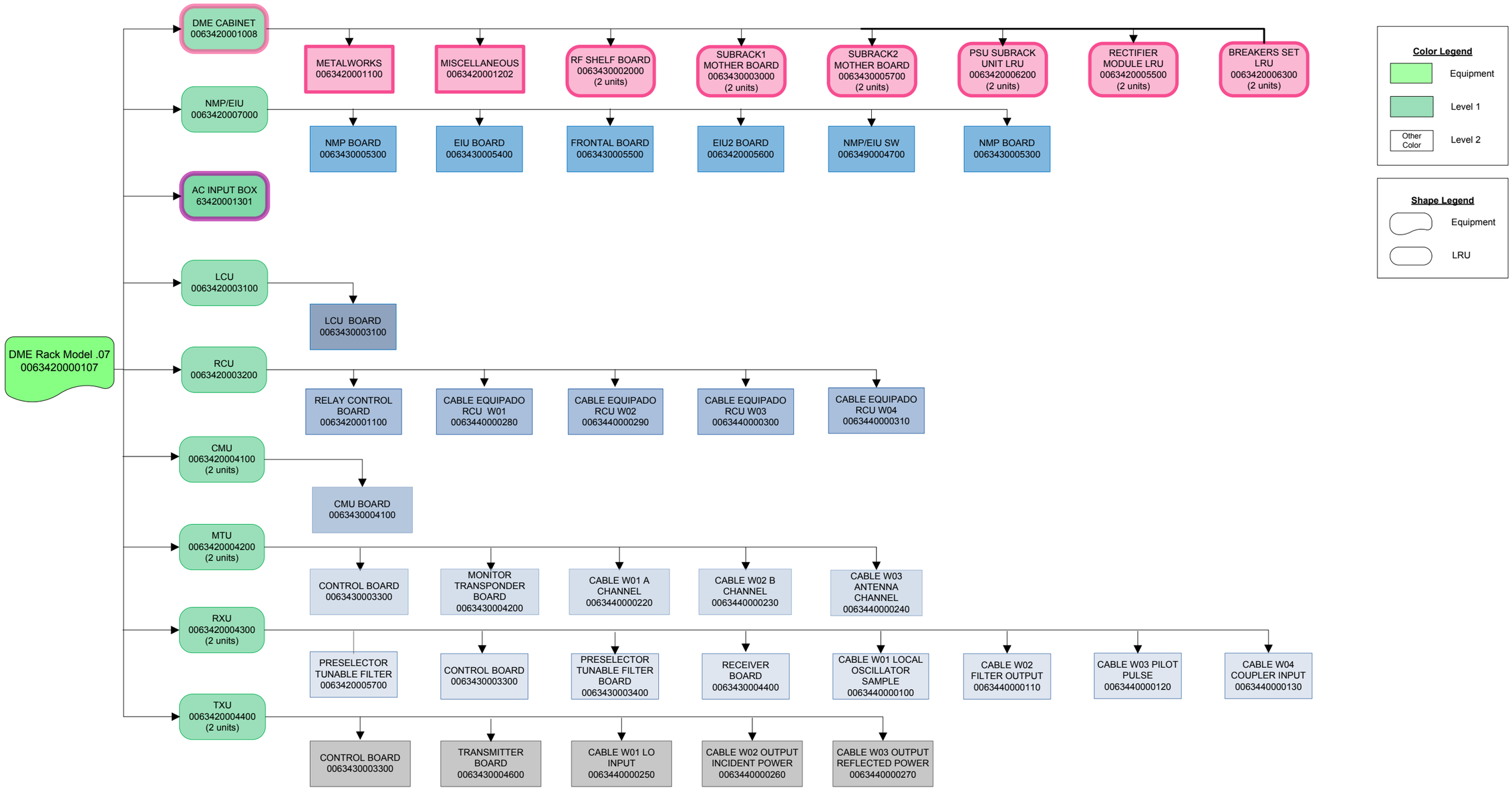


FIGURE 2-4: MODEL 07- PN 0063420000107

2.3.5 Model 08: PN 0063420000108

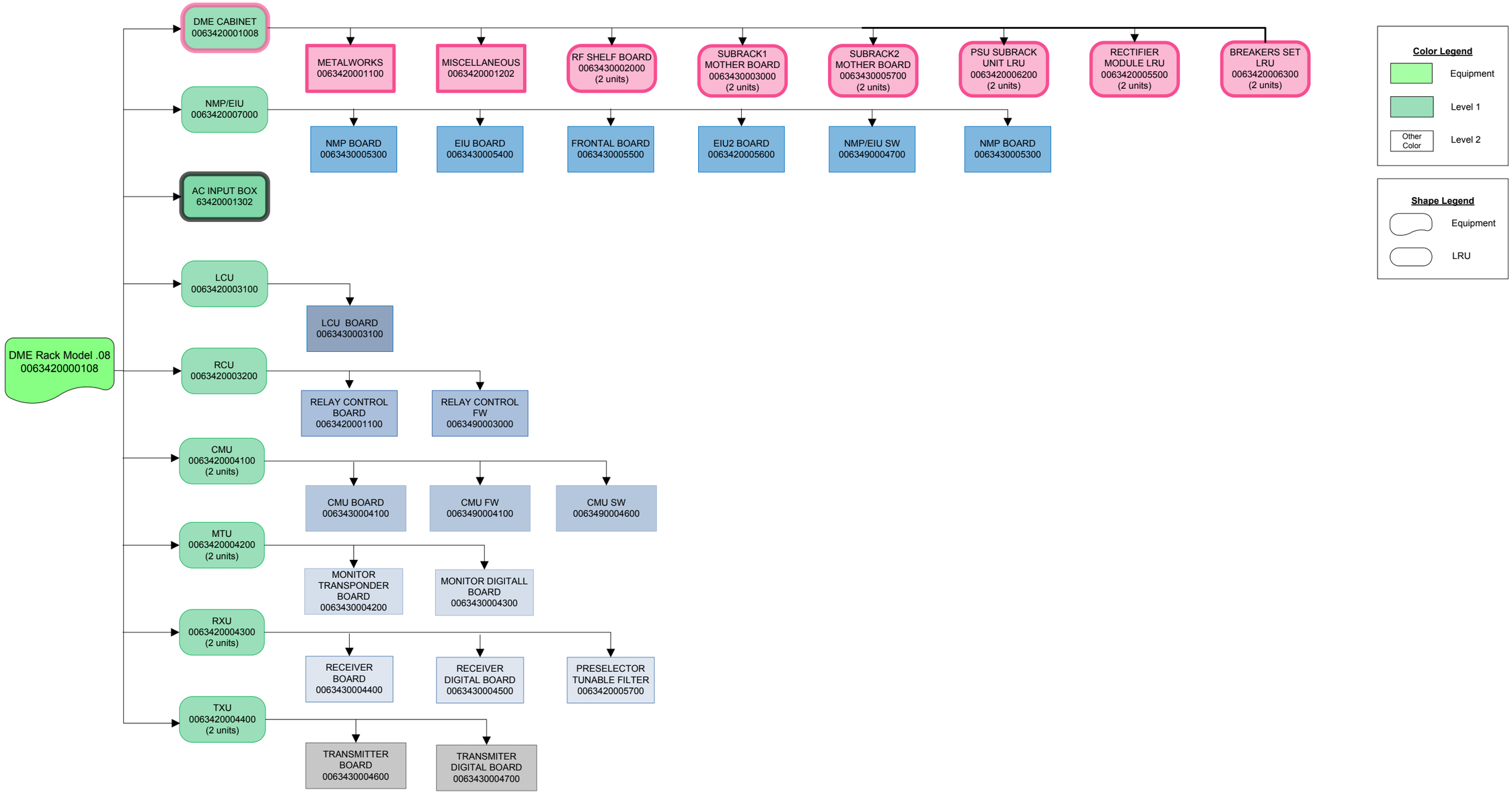


FIGURE 2-5: MODEL 08- PN 0063420000108

2.3.6 Model 09: PN 0063420000109

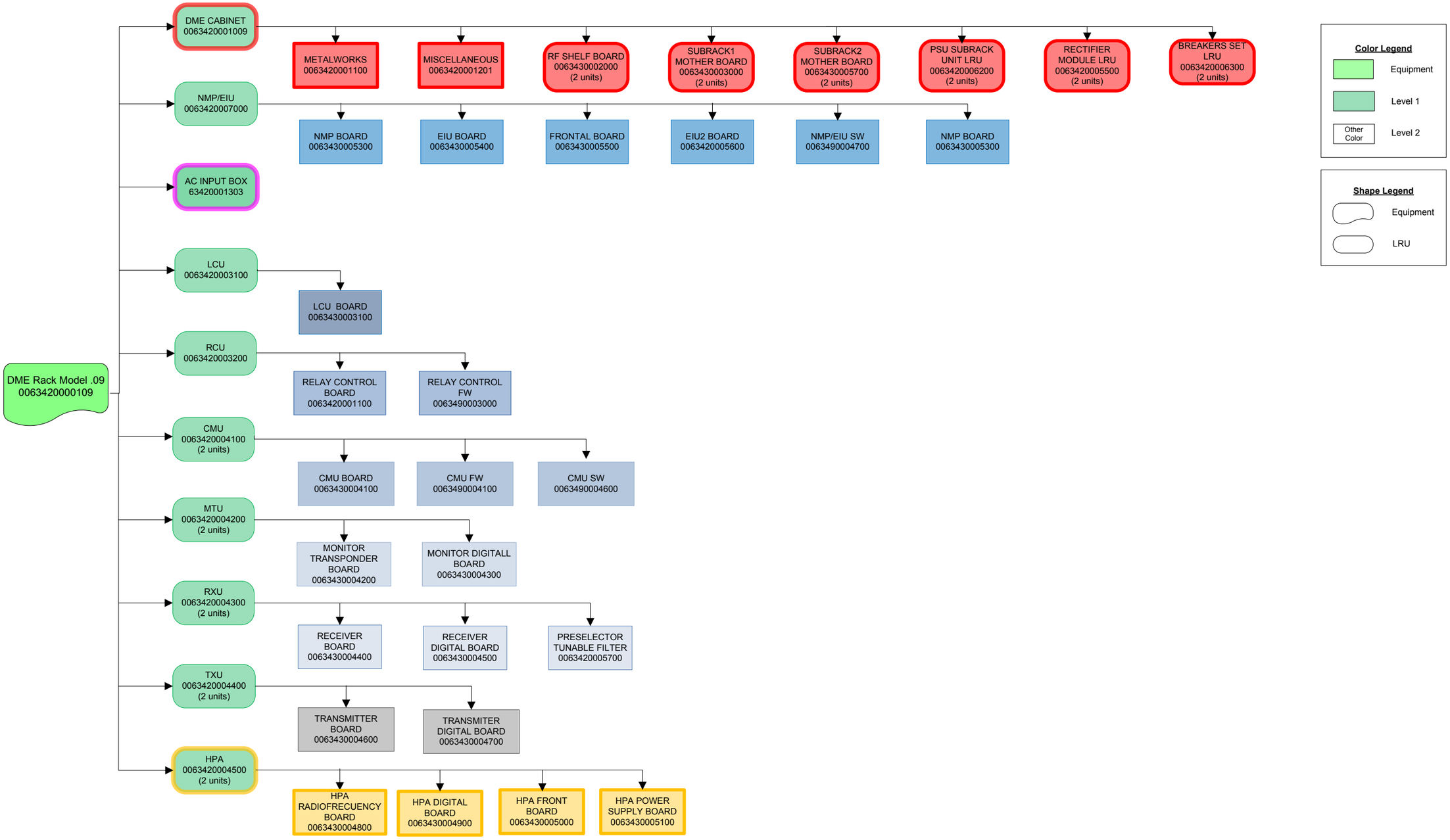


FIGURE 2-6: MODEL 09- PN 0063420000109

2.3.7 Model 13: PN 0063420000113

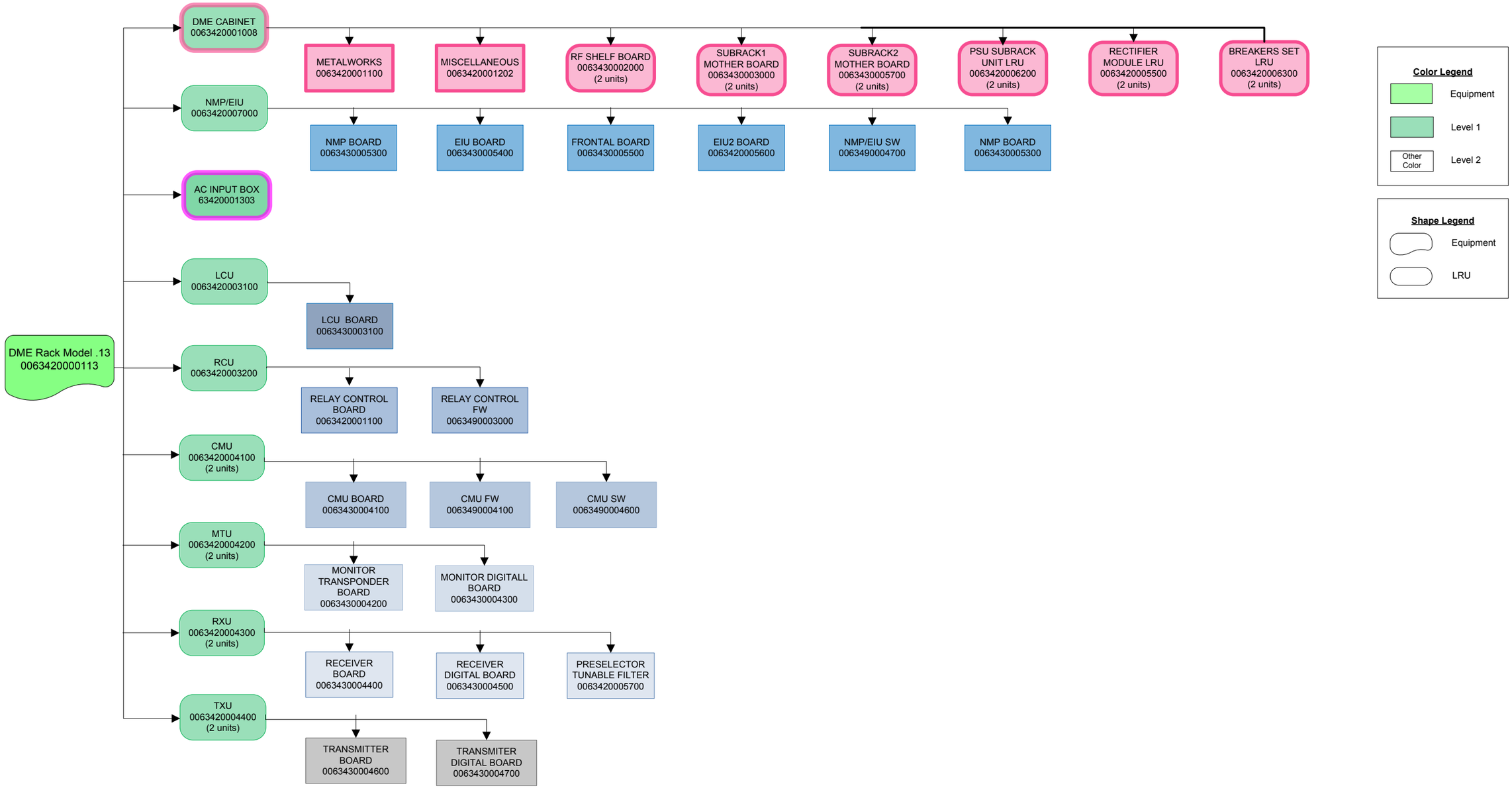


FIGURE 2-7: MODEL 13- PN 0063420000113

2.3.8 Model 14: PN 0063420000114

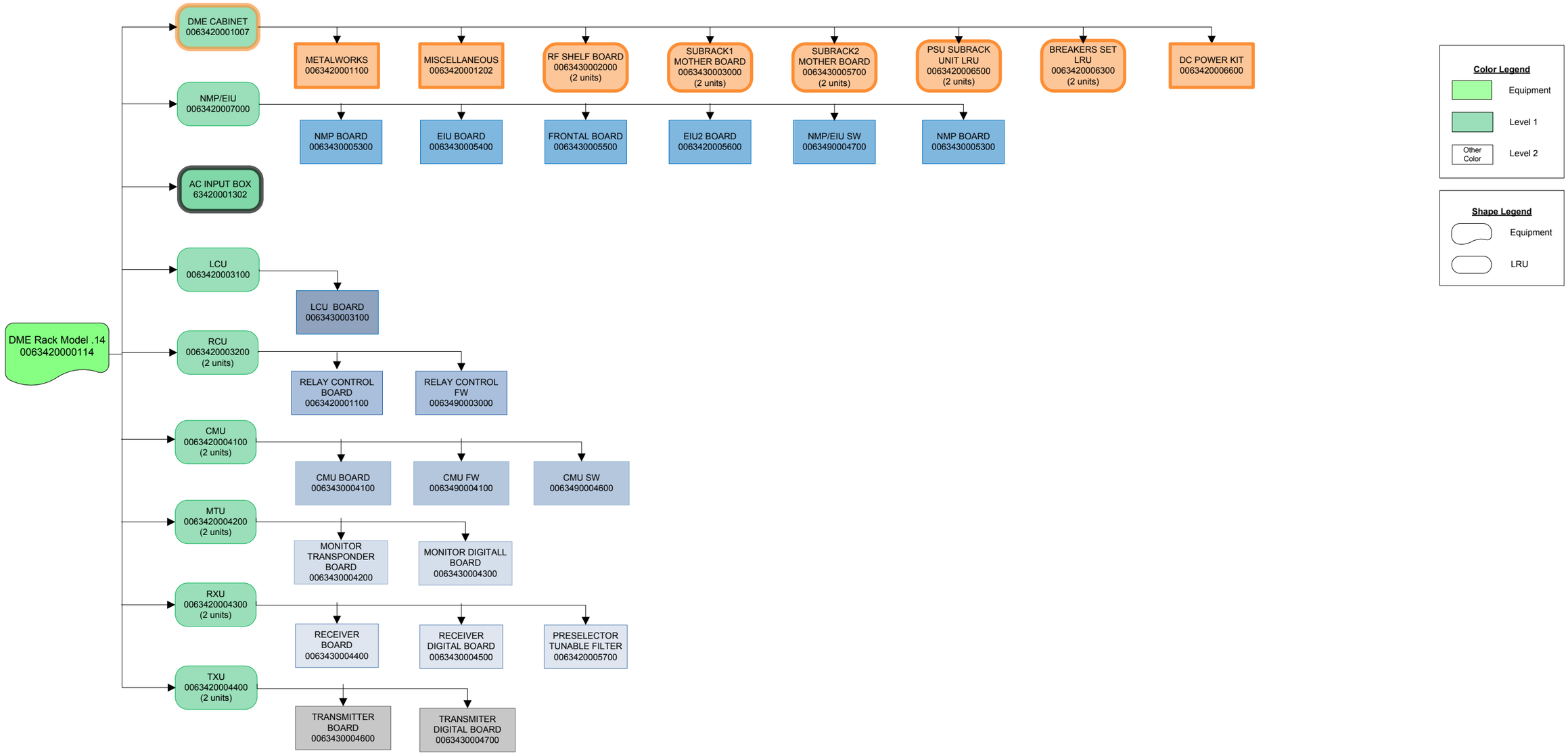


FIGURE 2-8: MODEL 14- PN 0063420000114

2.3.9 Model 15: PN 0063420000115

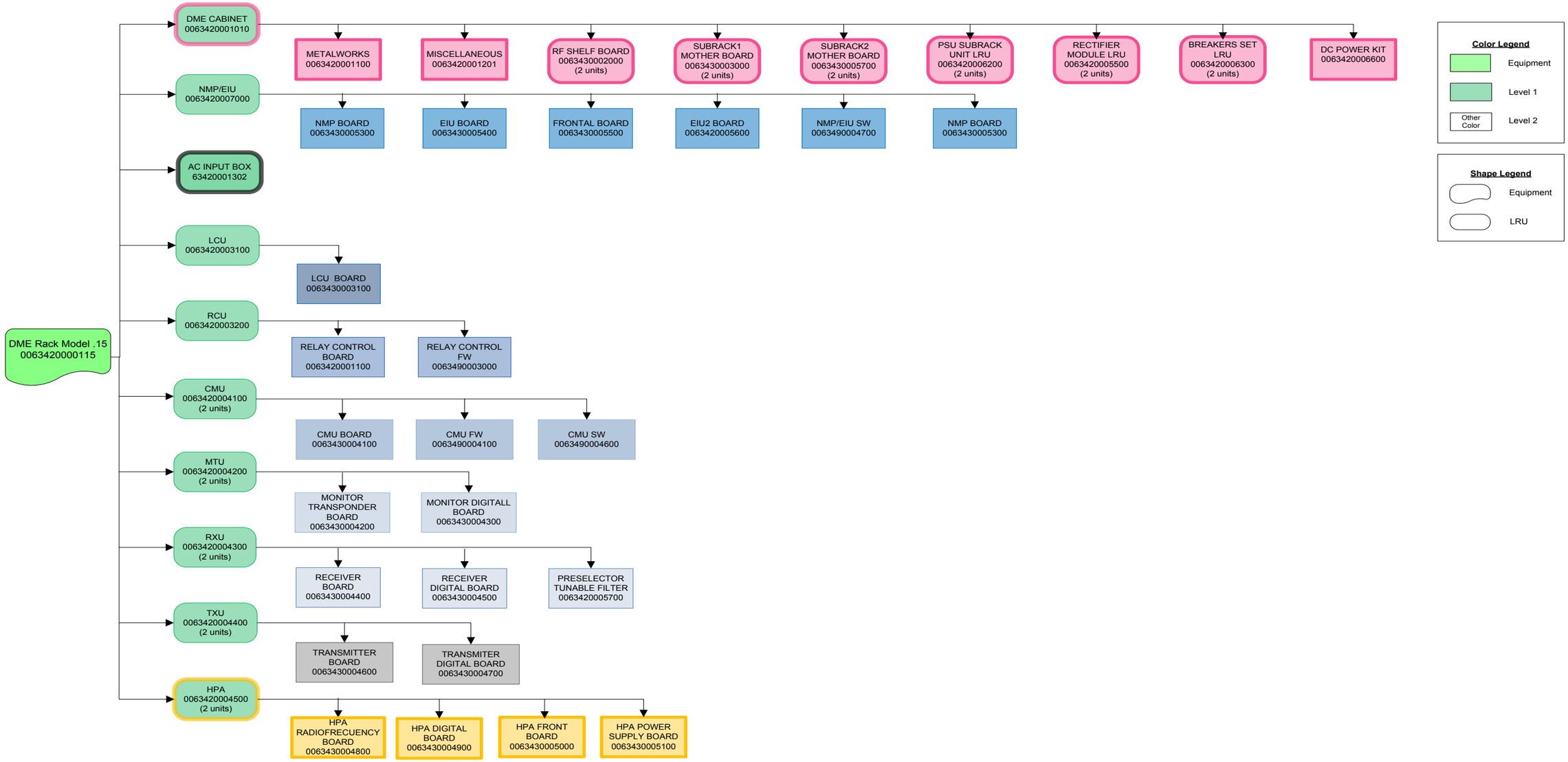


FIGURE 2-9: MODEL 15- PN 0063420000115

2.3.10 Model 131: PN 0063420000131

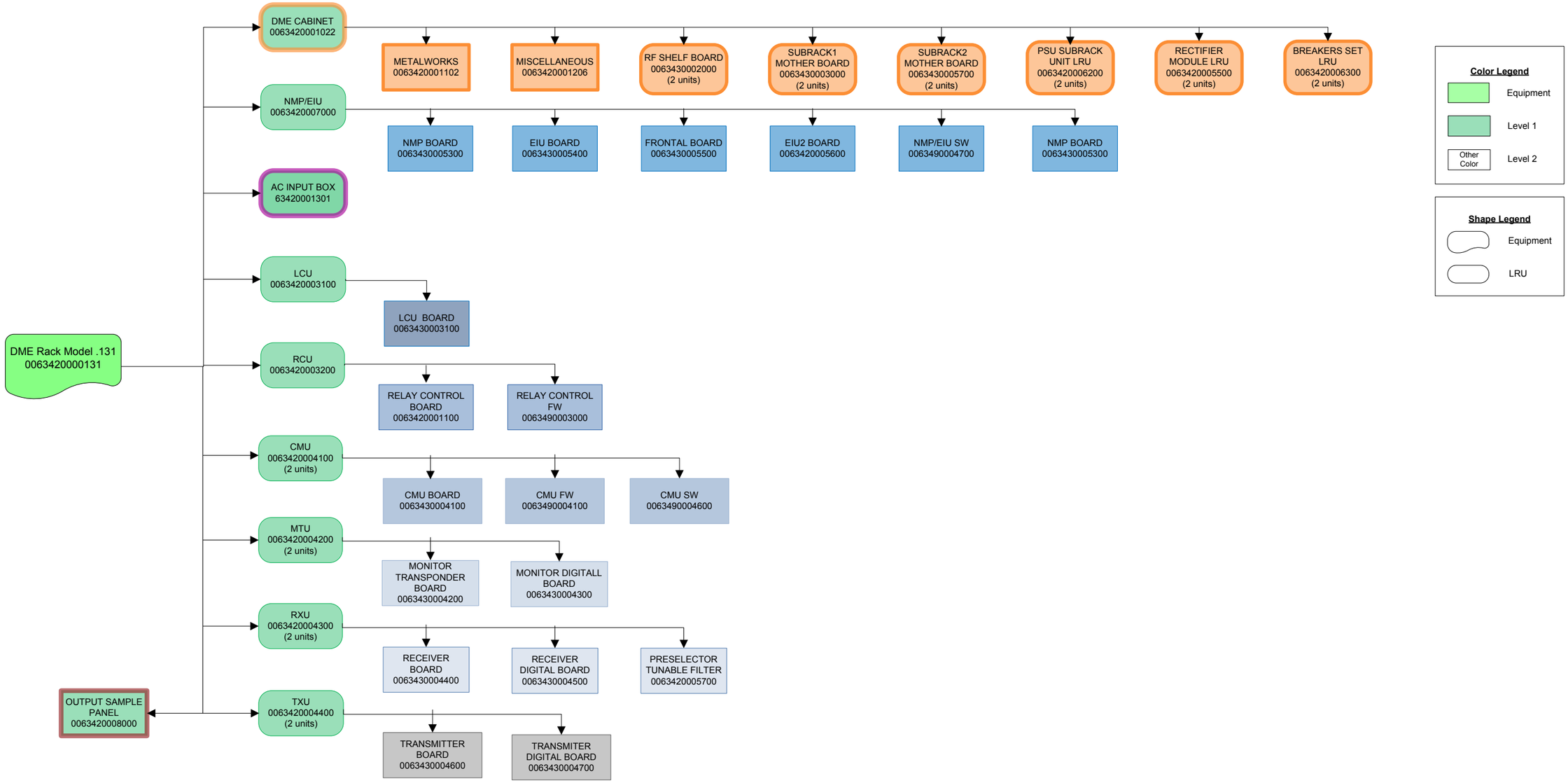


FIGURE 2-10: MODEL 131- PN 0063420000131

2.3.11 Model 141: PN 0063420000141

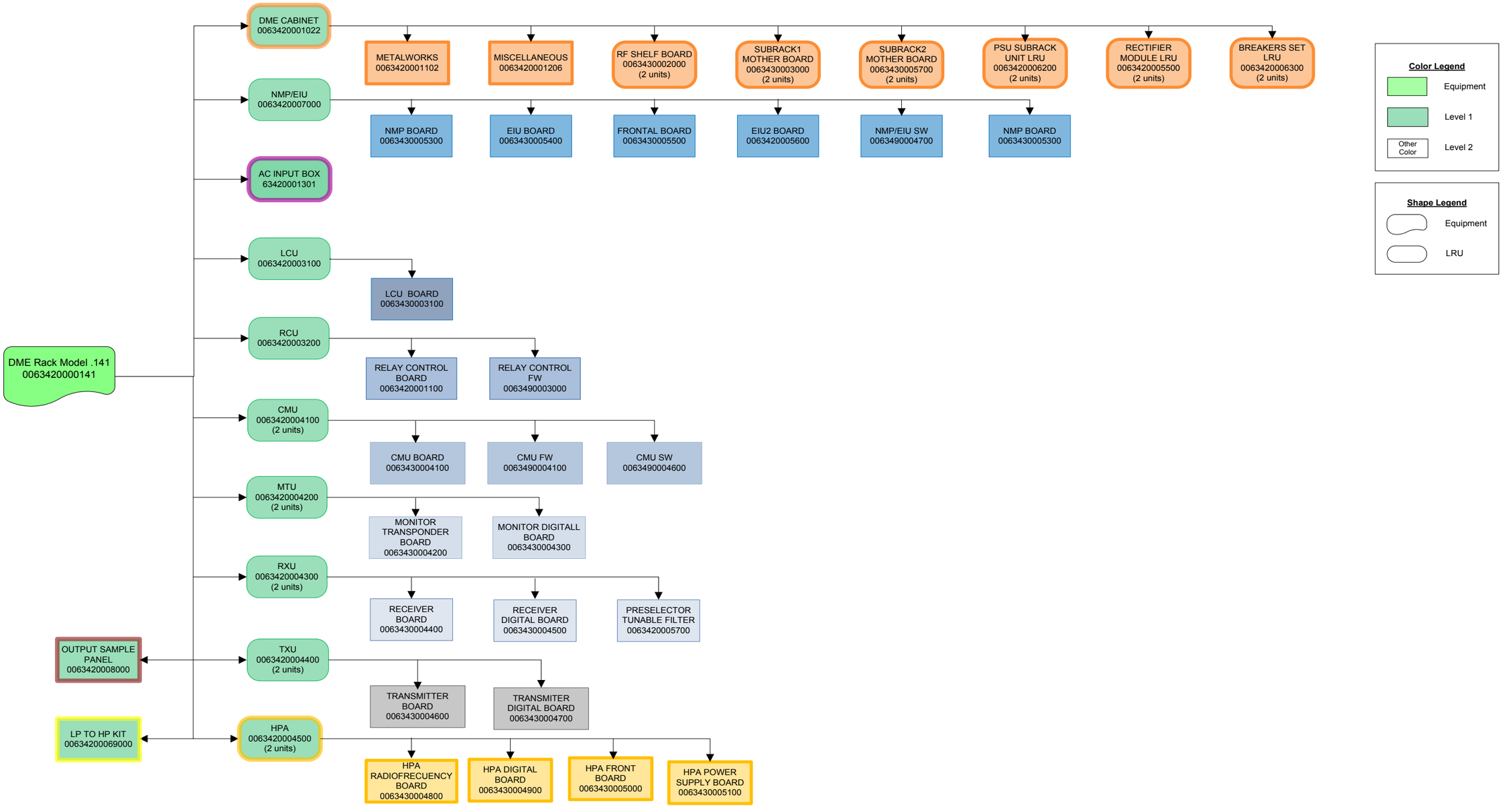


FIGURE 2-11: MODEL 141- PN 0063420000141

2.4 FAMILY TREE DESCRIPTION

The Family Tree for the DME LDB-103, in any configuration is:

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 DME LDB-103 SYSTEM	**LDB-103**	**0063410000100.GG**	**EC**
A1 DME RACK		00634200001GG	EC
A2 DME ANTENNA OMNIDIRECTIONAL		0063420000300	EC
A3 DME ANTENNA DIRECTIONAL		1300106420000	EC
A4 INSTALLATION ACCESSORIES		0063420000400	EC

2.4.1 DME Rack Family Tree

2.4.1.1 Available Rack Models

2.4.1.1.1 Model 05

DESCRIPTION	NAME	INDRA CODE	ALT. CODE	LEVEL
A1 DME RACK		0063420000105		**EC**
A1 DME CABINET		0063420001009		LRU
A2 AC INPUT BOX		0063420001301		LRU
A3 LOCAL CONTROL UNIT	LCU	0063420003100		LRU
A4 RELAY CONTROL UNIT	RCU	0063420003200		LRU
A5/A6 (2) CONTROL & MONITORING UNIT	CMU	0063420004100		LRU
A7/A8 (2) MONITOR TRANSPONDER UNIT	MTU	0063420004200		LRU
A9/A10 (2) RECEIVER UNIT	RXU	0063420004300		LRU
A11/A12 (2) TRANSMITTER UNIT	TXU	0063420004400		LRU
A13/A14 (2) HIGH POWER AMPLIFIER	HPA	0063420004500		LRU
A15 NETWORK MANAGEMENT PROCESSOR / EXTERNAL INTERFACE UNIT FULL WIRED	NMP/EIU	006342000700		LRU

2.4.1.1.2 Model 06

DESCRIPTION	NAME	INDRA CODE	ALT. CODE	LEVEL
A1 DME RACK		0063420000106		**EC**
A1 DME CABINET		0063420001009		LRU
A2 AC INPUT BOX		0063420001302		LRU
A3 LOCAL CONTROL UNIT	LCU	0063420003100		LRU
A4 RELAY CONTROL UNIT	RCU	0063420003200		LRU
A5/A6 (2) CONTROL & MONITORING UNIT	CMU	0063420004100		LRU
A7/A8 (2) MONITOR TRANSPONDER UNIT	MTU	0063420004200		LRU
A9/A10 (2) RECEIVER UNIT	RXU	0063420004300		LRU
A11/A12 (2) TRANSMITTER UNIT	TXU	0063420004400		LRU
A13/A14 (2) HIGH POWER AMPLIFIER	HPA	0063420004500		LRU
A15 NETWORK MANAGEMENT PROCESSOR / EXTERNAL INTERFACE UNIT FULL WIRED	NMP/EIU	0063420007000		LRU

2.4.1.1.3 Model 07

DESCRIPTION	NAME	INDRA CODE	ALT. CODE	LEVEL
A1 DME RACK		0063420000107		**EC**
A1 DME CABINET		0063420001008		LRU
A2 AC INPUT BOX		0063420001301		LRU
A3 LOCAL CONTROL UNIT	LCU	0063420003100		LRU
A4 RELAY CONTROL UNIT	RCU	0063420003200		LRU
A5/A6 (2) CONTROL & MONITORING UNIT	CMU	0063420004100		LRU
A7/A8 (2) MONITOR TRANSPONDER UNIT	MTU	0063420004200		LRU
A9/A10 (2) RECEIVER UNIT	RXU	0063420004300		LRU
A11/A12 (2) TRANSMITTER UNIT	TXU	0063420004400		LRU
A13 NETWORK MANAGEMENT PROCESSOR / EXTERNAL INTERFACE UNIT FULL WIRED	NMP/EIU	0063420007000		LRU

2.4.1.1.4 Model 08

DESCRIPTION	NAME	INDRA CODE	ALT. CODE	LEVEL
A1 DME RACK		0063420000108		**EC**
A1 DME CABINET		0063420001008		LRU
A2 AC INPUT BOX		0063420001302		LRU
A3 LOCAL CONTROL UNIT	LCU	0063420003100		LRU
A4 RELAY CONTROL UNIT	RCU	0063420003200		LRU
A5/A6 (2) CONTROL & MONITORING UNIT	CMU	0063420004100		LRU
A7/A8 (2) MONITOR TRANSPONDER UNIT	MTU	0063420004200		LRU
A9/A10 (2) RECEIVER UNIT	RXU	0063420004300		LRU
A11/A12 (2) TRANSMITTER UNIT	TXU	0063420004400		LRU
A13 NETWORK MANAGEMENT PROCESSOR / EXTERNAL INTERFACE UNIT FULL WIRED	NMP/EIU	0063420007000		LRU

2.4.1.1.5 Model 09

DESCRIPTION	NAME	INDRA CODE	ALT. CODE	LEVEL
A1 DME RACK		0063420000109		**EC**
A1 DME CABINET		0063420001009		LRU
A2 AC INPUT BOX		0063420001303		LRU
A3 LOCAL CONTROL UNIT	LCU	0063420003100		LRU
A4 RELAY CONTROL UNIT	RCU	0063420003200		LRU
A5/A6 (2) CONTROL & MONITORING UNIT	CMU	0063420004100		LRU
A7/A8 (2) MONITOR TRANSPONDER UNIT	MTU	0063420004200		LRU
A9/A10 (2) RECEIVER UNIT	RXU	0063420004300		LRU
A11/A12 (2) TRANSMITTER UNIT	TXU	0063420004400		LRU
A13/A14 (2) HIGH POWER AMPLIFIER	HPA	0063420004500		LRU
A15 NETWORK MANAGEMENT PROCESSOR / EXTERNAL INTERFACE UNIT FULL WIRED	NMP/EIU	0063420007000		LRU

2.4.1.1.6 Model 13

DESCRIPTION	NAME	INDRA CODE	ALT. CODE	LEVEL
A1 DME RACK		0063420000113		**EC**
A1 DME CABINET		0063420001008		LRU
A2 AC INPUT BOX		0063420001303		LRU
A3 LOCAL CONTROL UNIT	LCU	0063420003100		LRU
A4 RELAY CONTROL UNIT	RCU	0063420003200		LRU
A5/A6 (2) CONTROL & MONITORING UNIT	CMU	0063420004100		LRU
A7/A8 (2) MONITOR TRANSPONDER UNIT	MTU	0063420004200		LRU
A9/A10 (2) RECEIVER UNIT	RXU	0063420004300		LRU
A11/A12 (2) TRANSMITTER UNIT	TXU	0063420004400		LRU
A13 NETWORK MANAGEMENT PROCESSOR / EXTERNAL INTERFACE UNIT FULL WIRED	NMP/EIU	0063420007000		LRU

2.4.1.1.7 Model 14

DESCRIPTION	NAME	INDRA CODE	ALT. CODE	LEVEL
A1 DME RACK		0063420000114		**EC**
A1 DME CABINET		0063420001007		LRU
A2 AC INPUT BOX		0063420001302		LRU
A3 LOCAL CONTROL UNIT	LCU	0063420003100		LRU
A4 RELAY CONTROL UNIT	RCU	0063420003200		LRU
A5/A6 (2) CONTROL & MONITORING UNIT	CMU	0063420004100		LRU
A7/A8 (2) MONITOR TRANSPONDER UNIT	MTU	0063420004200		LRU
A9/A10 (2) RECEIVER UNIT	RXU	0063420004300		LRU
A11/A12 (2) TRANSMITTER UNIT	TXU	0063420004400		LRU
A13 NETWORK MANAGEMENT PROCESSOR / EXTERNAL INTERFACE UNIT FULL WIRED	NMP/EIU	0063420007000		LRU

2.4.1.1.8 Model 15

DESCRIPTION	NAME	INDRA CODE	ALT. CODE	LEVEL
A1 DME RACK		0063420000115		**EC**
A1 DME CABINET		0063420001010		LRU
A2 AC INPUT BOX		0063420001302		LRU
A3 LOCAL CONTROL UNIT	LCU	0063420003100		LRU
A4 RELAY CONTROL UNIT	RCU	0063420003200		LRU
A5/A6 (2) CONTROL & MONITORING UNIT	CMU	0063420004100		LRU
A7/A8 (2) MONITOR TRANSPONDER UNIT	MTU	0063420004200		LRU
A9/A10 (2) RECEIVER UNIT	RXU	0063420004300		LRU
A11/A12 (2) TRANSMITTER UNIT	TXU	0063420004400		LRU
A13/A14 (2) HIGH POWER AMPLIFIER	HPA	0063420004500		LRU
A15 NETWORK MANAGEMENT PROCESSOR / EXTERNAL INTERFACE UNIT FULL WIRED	NMP/EIU	0063420007000		LRU

2.4.1.1.9 Model 31

DESCRIPTION	NAME	INDRA CODE	ALT. CODE	LEVEL
A1 DME RACK		0063420000131		**EC**
A1 DME CABINET		0063420001022		LRU
A2 AC INPUT BOX		0063420001301		LRU
A3 LOCAL CONTROL UNIT	LCU	0063420003100		LRU
A4 RELAY CONTROL UNIT	RCU	0063420003200		LRU
A5/A6 (2) CONTROL & MONITORING UNIT	CMU	0063420004100		LRU
A7/A8 (2) MONITOR TRANSPONDER UNIT	MTU	0063420004200		LRU
A9/A10 (2) RECEIVER UNIT	RXU	0063420004300		LRU
A11/A12 (2) TRANSMITTER UNIT	TXU	0063420004400		LRU
A13 NETWORK MANAGEMENT PROCESSOR / EXTERNAL INTERFACE UNIT FULL WIRED	NMP/EIU	0063420007000		LRU
A14 OUTPUT SAMPLE PANEL		0063420008000		

2.4.1.1.10 Model 41

DESCRIPTION	NAME	INDRA CODE	ALT. CODE	LEVEL
A1 DME RACK		0063420000141		**EC**
A1 DME CABINET		0063420001022		LRU
A2 AC INPUT BOX		0063420001301		LRU
A3 LOCAL CONTROL UNIT	LCU	0063420003100		LRU
A4 RELAY CONTROL UNIT	RCU	0063420003200		LRU
A5/A6 (2) CONTROL & MONITORING UNIT	CMU	0063420004100		LRU
A7/A8 (2) MONITOR TRANSPONDER UNIT	MTU	0063420004200		LRU
A9/A10 (2) RECEIVER UNIT	RXU	0063420004300		LRU
A11/A12 (2) TRANSMITTER UNIT	TXU	0063420004400		LRU
A13/A14 (2) HIGH POWER AMPLIFIER	HPA	0063420004500		LRU
A15 NETWORK MANAGEMENT PROCESSOR / EXTERNAL INTERFACE UNIT FULL WIRED	NMP/EIU	0063420007000		LRU
A16 LP TO HP KIT		0063420006900		
A17 OUTPUT SAMPLE PANEL		0063420008000		

2.4.1.2 Basic Parts

2.4.1.2.1 DME CABINET

2.4.1.2.1.1 LOW POWER DME CABINET [0063420001008]

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 DME CABINET		**0063420001008**	**LRU**
A1 METALWORKS		0063420001100	
A2 MISCELLANEOUS		0063420001202	
A3/A4 (2) RF SHELF BOARD	RFS	0063430002000	LRU
A5 SUBRACK 1 MOTHER BOARD		0063430003000	LRU
A6 SUBRACK 2 MOTHER BOARD		0063430005700	LRU
A7/A8 (2) POWER SUPPLY SUBRACK UNIT	PSU	0063420006200	LRU
A9/A10/A11/A12 (4) RECTIFIER MODULE		0063420005500	LRU
A13/A14 (2) BREAKERS SET		0063420006300	LRU

2.4.1.2.1.2 HIGH POWER DME CABINET [0063420001009]

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 DME CABINET		**0063420001009**	**LRU**
A1 METALWORKS		0063420001100	
A2 MISCELLANEOUS		0063420001201	
A3/A4 (2) RF SHELF BOARD	RFS	0063430002000	LRU
A5 SUBRACK 1 MOTHER BOARD		0063430003000	LRU
A6 SUBRACK 2 MOTHER BOARD		0063430005700	LRU
A7/A8 (2) POWER SUPPLY SUBRACK UNIT	PSU	0063420006200	LRU
A9/A10/A11/A12 (4) RECTIFIER MODULE		0063420005500	LRU
A13/A14 (2) BREAKERS SET		0063420006300	LRU

2.4.1.2.1.3 LOW POWER DME CABINET [0063420001007]

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 DME CABINET		**0063420001007**	**LRU**
A1 METALWORKS		0063420001100	
A2 MISCELLANEOUS		0063420001202	
A3/A4 (2) RF SHELF BOARD	RFS	0063430002000	LRU
A5 SUBRACK 1 MOTHER BOARD		0063430003000	LRU
A6 SUBRACK 2 MOTHER BOARD		0063430005700	LRU
A7/A8 (2) POWER SUPPLY SUBRACK UNIT FOR DC INPUT	PSU	0063420006500	LRU
A9/A10 (2) BREAKERS SET		0063420006300	LRU
A11 DC POWER KIT		0063420006600	

2.4.1.2.1.4 HIGH POWER DME CABINET [0063420001010]

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 DME CABINET		**0063420001010**	**LRU**
A1 METALWORKS		0063420001100	
A2 MISCELLANEOUS		0063420001201	
A3/A4 (2) RF SHELF BOARD	RFS	0063430002000	LRU
A5 SUBRACK 1 MOTHER BOARD		0063430003000	LRU
A6 SUBRACK 2 MOTHER BOARD		0063430005700	LRU
A7/A8 (2) POWER SUPPLY SUBRACK UNIT	PSU	0063420006200	LRU
A9/A10/A11/A12 (4) RECTIFIER MODULE		0063420005500	LRU
A13/A14 (2) BREAKERS SET		0063420006300	LRU
A15 DC POWER KIT		0063420006600	

2.4.1.2.1.5 LOW POWER DME CABINET [0063420001022]

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 DME CABINET		**0063420001022**	**LRU**
A1 METALWORKS		0063420001102	
A2 MISCELLANEOUS		0063420001206	
A3/A4 (2) RF SHELF BOARD	RFS	0063430002000	LRU
A5 SUBRACK 1 MOTHER BOARD		0063430003000	LRU
A6 SUBRACK 2 MOTHER BOARD		0063430005700	LRU
A7/A8 (2) POWER SUPPLY SUBRACK UNIT	PSU	0063420006200	LRU
A9/A10/A11/A12 (4) RECTIFIER MODULE		0063420005500	LRU
A13/A14 (2) BREAKERS SET		0063420006300	LRU

2.4.1.2.2 AC INPUT BOX

2.4.1.2.2.1 AC INPUT BOX SP [0063420001301]

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 AC INPUT BOX (SP)		**0063420001301**	**LRU**

2.4.1.2.2.2 AC INPUT BOX AU/NZ [0063420001302]

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 AC INPUT BOX (AU/NZ)		**0063420001302**	**LRU**

2.4.1.2.2.3 AC INPUT BOX USA [0063420001303]

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 AC INPUT BOX (USA)		**0063420001303**	**LRU**

2.4.1.2.2.4 AC INPUT BOX UK [0063420001304]

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 AC INPUT BOX (UK)		**0063420001304**	**LRU**

2.4.1.2.3 LOCAL CONTROL UNIT [0063420003100]

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 LOCAL CONTROL UNIT	**LCU**	**0063420003100**	**LRU**
A1 LCU BOARD		0063430003100	

2.4.1.2.4 RELAY CONTROL UNIT [0063420003200]

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 RELAY CONTROL UNIT	**RCU**	**0063420003200**	**LRU**
A1 RELAY CONTROL BOARD		0063430003200	
A2 RELAY CONTROL FW		0063490003000	

2.4.1.2.5 CONTROL & MONITORING UNIT [0063420004100]

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 CONTROL & MONITORING UNIT	**CMU**	**0063420004100**	**LRU**
A1 CONTROL & MONITORING BOARD		0063430004100	
A2 CONTROL & MONITORING FW		0063490004100	
A3 CONTROL & MONITORING SW		0063490004600	

2.4.1.2.6 MONITOR TRANSPONDER UNIT [0063420004200]

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 MONITOR TRANSPONDER UNIT	**MTU**	**0063420004200**	**LRU**
A1 MONITOR TRANSPONDER BOARD		0063430004200	
A2 MONITOR DIGITAL BOARD		0063430004300	
A1 CONTROL BOARD		0063430003300	
A2 MONITOR TRANSPONDER FW		0063490004200	

2.4.1.2.7 RECEIVER UNIT [0063420004300]

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 RECEIVER UNIT	**RXU**	**0063420004300**	**LRU**
A1 RECEIVER BOARD		0063430004400	
A2 RECEIVER DIGITAL BOARD		0063430004500	
A1 CONTROL BOARD		0063430003300	
A2 RECEIVER FW		0063490004300	
A3 PRESELECTOR TUNABLE FILTER		0063420005700	
A1 PRESELECTOR TUNABLE FILTER BOARD		0063430003400	

2.4.1.2.8 TRANSMITTER UNIT [0063420004400]

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 TRANSMITTER UNIT	**TXU**	**0063420004400**	**LRU**
A1 TRANSMITTER BOARD		0063430004600	
A2 TRANSMITTER DIGITAL BOARD		0063430004700	
A1 CONTROL BOARD		0063430003300	
A2 TRANSMITTER FW		0063490004400	

2.4.1.2.9 HIGH POWER AMPLIFIER [0063420004500]

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 HIGH POWER AMPLIFIER	**HPA**	**0063420004500**	**LRU**
A1 HPA RADIOFRECUENCY BOARD		0063430004800	
A2 HPA DIGITAL BOARD		0063430004900	
A1 CONTROL BOARD		0063430003300	
A2 HPA FW		0063490004500	
A3 HPA FRONT BOARD		0063430005000	
A4 HPA POWER SUPPLY BOARD		0063430005100	

2.4.1.2.10 NETWORK MANAGEMENT PROCESSOR/EXTERNAL INTERFACE UNIT

2.4.1.2.10.1 NETWORK MANAGEMENT PROCESSOR/EXTERNAL INTERFACE UNIT (FC)

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 NETWORK MANAGEMENT PROCESSOR / EXTERNAL INTERFACE UNIT	**NMP/EIU**	**0063420006100**	**LRU**
A1 NMP BOARD		0063430005300	
A2 EIU BOARD		0063430005400	
A3 FRONTAL BOARD		0063430005500	
A4 EIU2 BOARD		0063430005600	
A5 ETHERNET SWITCH		0063420005600	
A6 NMP/EIU SW		0063490004700	

2.4.1.2.10.2 NETWORK MANAGEMENT PROCESSOR/EXTERNAL INTERFACE UNIT FULL WIRED (FC)

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 NETWORK MANAGEMENT PROCESSOR / EXTERNAL INTERFACE UNIT FULL WIRED	**NMP/EIU**	**0063420007000**	**LRU**
A1 NMP BOARD		0063430005300	
A2 EIU BOARD		0063430005400	
A3 FRONTAL BOARD		0063430005500	
A4 EIU2 BOARD		0063430005600	
A5 ETHERNET SWITCH		0063420005600	
A6 NMP/EIU SW		0063490004700	

2.4.1.3 Output Sample Panel [0063420008000]

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 OUTPUT SAMPLE PANEL	**OUTPUT SAMPLE PANEL**	**0063420008000**	

2.4.1.4 LP to HP KIT [0063420006900]

DESCRIPTION	NAME	INDRA CODE	LEVEL
A1 LP to HP Kit	**LP to HP Kit**	**0063420006900**	**LRU**

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3. SECTION 3 – BILL OF MATERIALS

3.1 DME CABINET

3.1.1 Low Power DME Cabinet [0063420001007]

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	0	0063420001007	DME CABINET	1
1	1	0063420001202	.MISCELLANEOUS	1
2	1	0063420006300	.BLEAKERS SET LRU	2
3	1	0063420006600	.DC POWER KIT	1
4	1	0063420006500	.POWER SUPPLY SUBRACK UNIT FOR DC INPUT	2
5	1	0063430003000	.SUBRACK 1 MOTHER BOARD	1
6	1	0063430002000	.RF SHELF BOARD	2
7	1	0063420001100	.METALWORKS	1
8	1	0063430005700	.CONJ. TARJ. SUBRACK 2 MOTHER BOARD	1

3.1.1.1 MISCELLANEOUS [0063420001202]

See section 3.1.2.1.

3.1.2 Low Power DME Cabinet [0063420001008]

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	0	0063420001008	DME CABINET	1
1	1	0063430005700	.CONJ. TARJ. SUBRACK 2 MOTHER BOARD	1
2	1	0063430003000	.SUBRACK 1 MOTHER BOARD	1
3	1	0063430002000	.RF SHELF BOARD	2
4	1	0063420001100	.METALWORKS	1
5	1	0063420005500	.RECTFIER MODULE LRU	4
6	1	0063420006200	.POWER SUPPLY SUBRACK UNIT LRU	2
7	1	0063420001202	.MISCELLANEOUS	1
8	1	0063420006300	.BLEAKERS SET LRU	2

3.1.2.1 MISCELLANEOUS [0063420001202]

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
0	0	0063420001202	MISCELLANEOUS	1
1	1	1218000320200	.CNC RED IEC-320 H 250VAC 10A FIJ PANEL N	2
2	1	M151400125LA0	.ARANDELA METRICA M4 DIN 125A A2 PLANA	6
3	1	M151400127EA6	.ARANDELA METRICA M4.0 DIN 127 GROWER ACE	6
4	1	1237014402804	.BORNA BEIGE OSCURO 4MM TIPO WDU 4 AWG26-	40
5	1	1233525760100	.BRIDA L=278X3,6MM NYLON COLOR NATURAL	10
6	1	G11HE01130420	.ABRAZADERA PARA D=13.6MM HELLERMANN NX-	8
7	1	G11HE01140420	.ABRAZADERA CIRCULAR HELLERMANN NX-8 DMAX	12
8	1	G11HE01150420	.ABRAZADERA CIRCULAR HELLERMANN NX-11 DMA	1
9	1	G11HE01160420	.ABRAZADERA CIRCULAR HELLERMANN NX-14 DMA	1
10	1	G11HE01600420	.ABRAZADERA CIRCULAR D=7.6MM NYLON ATORN.	22
11	1	1233525320100	.BRIDA 3,6X142MM DMAX=32MM NYLON NATURAL	10
12	1	G23H02UB000P0	.PROTECTOR FLEXIFORM HELLERMAN G51P/A POL	.5
13	1	G150121210B20	.BASE ATORNILLADA 12*10 1257 UNEX	2
14	1	1234024340000	.ABRAZADERA NO AJUST D3,4MM NYLON NEGRO	3
15	1	1237014352000	.BORNA POTENCIA 35MM2 600V 115A CARRIL DI	4

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
16	1	1234024800000	.ABRAZADERA NO AJUST D=8MM NYLON NEGRO	14
17	1	0063440001580	.CABLE ASSEMBLEY W48	1
18	1	0063440001640	.CABLE ASSEMBLEY W54	1
19	1	0063440001690	.CABLE ASSEMBLEY W59	1
20	1	0063440001700	.CABLE ASSEMBLEY W60	1
21	1	0063440001770	.CABLE ASSEMBLEY W67	1
22	1	0063480000240	.MTU Blank Panel Lexan	2
23	1	0063440001120	.CABLE ASSEMBLY W02	1
24	1	0063440001150	.CABLE ASSEMBLY W05	1
25	1	0063440001180	.CABLE ASSEMBLY W08	1
26	1	0063440001200	.CABLE ASSEMBLY W10	1
27	1	0063440001210	.CABLE ASSEMBLEY W11	1
28	1	0063440001290	.CABLE ASSEMBLEY W19	1
29	1	0063440001300	.CABLE ASSEMBLEY W20	1
30	1	0063440001360	.CABLE ASSEMBLEY W26	1
31	1	0063440001370	.CABLE ASSEMBLEY W27	1
32	1	0063440001390	.CABLE ASSEMBLEY W29	1
33	1	0063440001400	.CABLE ASSEMBLEY W30	1
34	1	0063440001430	.CABLE ASSEMBLEY W33	1
35	1	0063480001624	.HPA Blank Panel Lexan	2
36	1	1115100020000	.ENCHUFE CON FILTRO DE RED 250VAC 0,075MH	2
37	1	1234024500000	.ABRAZADERA D=5MM NYLON NEGRO	8
38	1	M01125008LPA6	.TORNILLO METRICA M2.5*8 DIN 7985 A4 C/AL	16
39	1	1800101100000.VO	.ADHESIVO BLOQUEO 270 (VERDE)	10
40	1	M151250125AA0	.ARANDELA METRICA M2.5 DIN 125 PLANA ACER	16
41	1	1237090169200	.SEÑALIZADOR PARA BORNA 4MM WTR DEL 1-50	1
42	1	1208094010100	.ACC CLIP FIJACION CNC RED IEC320 AER	4
43	1	1589990340000	.MANGUITO PROTECCION DINT=5,9MM L=3,3 GRI	12
44	1	1587000170000	.ETIQUETA ADH PUESTA TIERRA 25X25MM VINIL	1
45	1	1587040090000	.ETIQUETA ADH ESD BEWARE 40X33 VINILO/AMA	1
46	1	1587000180000	.ETIQUETA ADH RAYO DESCARGA 19X20 VIN/AMA	1
47	1	0063440001830	.CABLE ASSEMBLEY W73	1
48	1	0063440001350	.CABLE ASSEMBLEY W25	1
49	1	1207089030000	.PANEL ACOPLADOR RJ45 (8X8) RECTO CAT5	1
50	1	M151250127EA0	.ARANDELA METRICA M2.5 DIN 127 GROWER ACE	16
51	1	1080526041300	.ATENUADOR COAX DC-6GHZ 3DB SMA-M/H ROHS	4
52	1	1080922540100	.TERMINACION SMA (M) 50OHM 2.5GHZ 1W ORO	6
53	1	1509009012021	.TOR CIL RAN M2,5X12,3 AC NI-PLAT	12
54	1	M01140008LPA0	.TORNILLO METRICA M4*8 DIN 7985 A2 C/AL P	6
55	1	1237090270000	.ACC TAPA FINAL EW35 P/BORNAS ZDU/WDU/SAK	5
56	1	1237090299000	.TAPA BORNA WAP 2.5-10 1,5X56MM WEMID GRI	10
57	1	1234025120400	.ABRAZADERA NO AJUST D=12MM NYLON NEGRO	12
58	1	0063440001130	.CABLE ASSEMBLY W03	1
59	1	0063440001240	.CABLE ASSEMBLEY W14	1
60	1	0063440001270	.CABLE ASSEMBLEY W17	1
61	1	0063440001310	.CABLE ASSEMBLEY W21	1
62	1	0063440001320	.CABLE ASSEMBLEY W22	1
63	1	0063440001340	.CABLE ASSEMBLEY W24	1
64	1	0063440001380	.CABLE ASSEMBLEY W28	1
65	1	0063440001410	.CABLE ASSEMBLEY W31	1
66	1	0063440001490	.CABLE ASSEMBLEY W39	1
67	1	0063440001510	.CABLE ASSEMBLEY W41	1

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
68	1	0063440001720	.CABLE ASSEMBLEY W62	1
69	1	0063440001820	.CABLE ASSEMBLEY W72	13
70	1	0063480000230	.MTU BLANK PANEL	2
71	1	0063480001623	.HPA Blank Panel	2
72	1	1580167047000	.SEP EXA M/H M4 L=70MM E/C=7MM AC	6
73	1	1237090824400	.PUENTE CONEX P/BORNA WQV 4/10 10P 41A	4
74	1	0063440001660	.CABLE ASSEMBLEY W56	1
75	1	0063440001780	.CABLE ASSEMBLEY W68	1
76	1	0063440001790	.CABLE ASSEMBLEY W69	1
77	1	0063440001110	.CABLE ASSEMBLY W01	1
78	1	0063440001140	.CABLE ASSEMBLY W04	1
79	1	0063440001160	.CABLE ASSEMBLY W06	1
80	1	0063480003710	.Rear Pach Panel Cover	1
81	1	0063440001190	.CABLE ASSEMBLY W09	1
82	1	0063440001230	.CABLE ASSEMBLEY W13	1
83	1	0063440001250	.CABLE ASSEMBLEY W15	1
84	1	0063440001260	.CABLE ASSEMBLEY W16	1
85	1	0063440001280	.CABLE ASSEMBLEY W18	1
86	1	0063440001330	.CABLE ASSEMBLEY W23	1
87	1	0063440001420	.CABLE ASSEMBLEY W32	1
88	1	0063440001440	.CABLE ASSEMBLEY W34	1
89	1	0063440001450	.CABLE ASSEMBLEY W35	1
90	1	0063440001460	.CABLE ASSEMBLEY W36	1
91	1	0063440001480	.CABLE ASSEMBLEY W38	1
92	1	0063440001500	.CABLE ASSEMBLEY W40	1
93	1	0063440001520	.CABLE ASSEMBLEY W42	1
94	1	0063440001530	.CABLE ASSEMBLEY W43	1
95	1	0063440001540	.CABLE ASSEMBLEY W44	1
96	1	0063440001550	.CABLE ASSEMBLEY W45	1
97	1	0063440001560	.CABLE ASSEMBLEY W46	1
98	1	0063440001570	.CABLE ASSEMBLEY W47	1
99	1	0063440001590	.CABLE ASSEMBLEY W49	1
100	1	0063440001630	.CABLE ASSEMBLEY W53	1
101	1	0063440001650	.CABLE ASSEMBLEY W55	1
102	1	0063440001670	.CABLE ASSEMBLEY W57	1
103	1	0063440001680	.CABLE ASSEMBLEY W58	1
104	1	0063440001710	.CABLE ASSEMBLEY W61	1
105	1	0063440001760	.CABLE ASSEMBLEY W66	1
106	1	0865681112500	.LABEL WARNING HIGH LEAKAGE	1
107	1	1234590218000	.ACC TAPA PROT IP20 GR CPUF35 P/BLOQ TERM	4
108	1	0063440001840	.CABLE ASSEMBLY W 74	1
109	1	0063440001850	.CABLE ASSEMBLY W 75	1
110	1	0063440001860	.CABLE ASSEMBLY W 76	2
111	1	0063480006600	.STICK FRONT POSITION	1
112	1	0063480006800	. DME Module Label	1
113	1	1080526043000	.ATENUADOR DC-6000MHZ 50OHM 2W 30DB SMA	2

3.1.3 High Power DME Cabinet [0063420001009]

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420001009**	**DME CABINET**	**1**
1	1	0063420005500	.RECTFIER MODULE LRU	4
2	1	0063420006200	.POWER SUPPLY SUBRACK UNIT LRU	2
3	1	0063420006300	.BLEAKERS SET LRU	2
4	1	0063430005700	.CONJ. TARJ. SUBRACK 2 MOTHER BOARD	1
5	1	0063420001201	.MISCELLANEOUS	1
6	1	0063430003000	.SUBRACK 1 MOTHER BOARD	1
7	1	0063430002000	.RF SHELF BOARD	2

3.1.3.1 MISCELLANEOUS [0063420001201]

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420001201**	**MISCELLANEOUS**	**1**
1	1	1080526041300	.ATENUADOR COAX DC-6GHZ 3DB SMA-M/H ROHS	4
2	1	1080922540100	.TERMINACION SMA (M) 50OHM 2.5GHZ 1W ORO	6
3	1	1509009012021	.TOR CIL RAN M2,5X12,3 AC NI-PLAT	4
4	1	1234590218000	.ACC TAPA PROT IP20 GR CPUF35 P/BLOQ TERM	8
5	1	1234590218000	.ACC TAPA PROT IP20 GR CPUF35 P/BLOQ TERM	4
6	1	1587000170000	.ETIQUETA ADH PUESTA TIERRA 25X25MM VINIL	1
7	1	1587040090000	.ETIQUETA ADH ESD BEWARE 40X33 VINILO/AMA	1
8	1	1587000180000	.ETIQUETA ADH RAYO DESCARGA 19X20 VIN/AMA	1
9	1	0063440001830	.CABLE ASSEMBLEY W73	1
10	1	0063440001350	.CABLE ASSEMBLEY W25	1
11	1	1207089030000	.PANEL ACOPLADOR RJ45 (8X8) RECTO CAT5	1
12	1	M151250127EA0	.ARANDELA METRICA M2.5 DIN 127 GROWER ACE	16
13	1	1115100020000	.ENCHUFE CON FILTRO DE RED 250VAC 0,075MH	2
14	1	1237014402804	.BORNA BEIGE OSCURO 4MM TIPO WDU 4 AWG26-	40
15	1	1233525760100	.BRIDA L=278X3,6MM NYLON COLOR NATURAL	10
16	1	G11HE01130420	.ABRAZADERA PARA D=13.6MM HELLERMANN NX-	8
17	1	G11HE01140420	.ABRAZADERA CIRCULAR HELLERMANN NX-8 DMAX	12
18	1	G11HE01150420	.ABRAZADERA CIRCULAR HELLERMANN NX-11 DMA	1
19	1	G11HE01160420	.ABRAZADERA CIRCULAR HELLERMANN NX-14 DMA	1
20	1	G11HE01600420	.ABRAZADERA CIRCULAR D=7.6MM NYLON ATORN.	22
21	1	1233525320100	.BRIDA 3,6X142MM DMAX=32MM NYLON NATURAL	10
22	1	G23H02UB000P0	.PROTECTOR FLEXIFORM HELLERMAN G51P/A POL	.5
23	1	G150121210B20	.BASE ATORNILLADA 12*10 1257 UNEX	2
24	1	1234024340000	.ABRAZADERA NO AJUST D3,4MM NYLON NEGRO	3
25	1	1237014352000	.BORNA POTENCIA 35MM2 600V 115A CARRIL DI	4
26	1	1234024800000	.ABRAZADERA NO AJUST D=8MM NYLON NEGRO	14
27	1	1080526043000	.ATENUADOR DC-6000MHZ 50OHM 2W 30DB SMA	2
28	1	0063440001130	.CABLE ASSEMBLY W03	1
29	1	0063440001240	.CABLE ASSEMBLEY W14	1
30	1	0063440001270	.CABLE ASSEMBLEY W17	1
31	1	0063440001310	.CABLE ASSEMBLEY W21	1
32	1	0063440001320	.CABLE ASSEMBLEY W22	1
33	1	0063440001340	.CABLE ASSEMBLEY W24	1
34	1	0063440001380	.CABLE ASSEMBLEY W28	1
35	1	0063440001410	.CABLE ASSEMBLEY W31	1
36	1	0063440001490	.CABLE ASSEMBLEY W39	1

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
37	1	0063440001510	.CABLE ASSEMBLEY W41	1
38	1	0063440001600	.CABLE ASSEMBLEY W50	1
39	1	0063440001610	.CABLE ASSEMBLEY W51	1
40	1	0063440001730	.CABLE ASSEMBLEY W63	1
41	1	0063440001820	.CABLE ASSEMBLEY W72	13
42	1	0063480000230	.MTU BLANK PANEL	2
43	1	1580167047000	.SEP EXA M/H M4 L=70MM E/C=7MM AC	6
44	1	1237090824400	.PUENTE CONEX P/BORNA WQV 4/10 10P 41A	4
45	1	0063440001660	.CABLE ASSEMBLEY W56	1
46	1	0063440001780	.CABLE ASSEMBLEY W68	1
47	1	0063440001790	.CABLE ASSEMBLEY W69	1
48	1	0063440001810	.CABLE ASSEMBLEY W71	1
49	1	0063440001110	.CABLE ASSEMBLY W01	1
50	1	0063440001140	.CABLE ASSEMBLY W04	1
51	1	0063440001160	.CABLE ASSEMBLY W06	1
52	1	0063480003710	.Rear Pach Panel Cover	1
53	1	0063440001190	.CABLE ASSEMBLY W09	1
54	1	0063440001230	.CABLE ASSEMBLEY W13	1
55	1	0063440001250	.CABLE ASSEMBLEY W15	1
56	1	0063440001260	.CABLE ASSEMBLEY W16	1
57	1	0063440001280	.CABLE ASSEMBLEY W18	1
58	1	0063440001330	.CABLE ASSEMBLEY W23	1
59	1	0063440001420	.CABLE ASSEMBLEY W32	1
60	1	0063440001440	.CABLE ASSEMBLEY W34	1
61	1	0063440001450	.CABLE ASSEMBLEY W35	1
62	1	0063440001460	.CABLE ASSEMBLEY W36	1
63	1	0063440001480	.CABLE ASSEMBLEY W38	1
64	1	0063440001500	.CABLE ASSEMBLEY W40	1
65	1	0063440001520	.CABLE ASSEMBLEY W42	1
66	1	0063440001530	.CABLE ASSEMBLEY W43	1
67	1	0063440001540	.CABLE ASSEMBLEY W44	1
68	1	0063440001550	.CABLE ASSEMBLEY W45	1
69	1	0063440001570	.CABLE ASSEMBLEY W47	1
70	1	0063440001620	.CABLE ASSEMBLEY W52	1
71	1	0063440001630	.CABLE ASSEMBLEY W53	1
72	1	0063440001650	.CABLE ASSEMBLEY W55	1
73	1	0063440001670	.CABLE ASSEMBLEY W57	1
74	1	0063440001680	.CABLE ASSEMBLEY W58	1
75	1	0063440001710	.CABLE ASSEMBLEY W61	1
76	1	0063440001740	.CABLE ASSEMBLEY W64	1
77	1	0063440001750	.CABLE ASSEMBLEY W65	1
78	1	0063440001760	.CABLE ASSEMBLEY W66	1
79	1	1218000320200	.CNC RED IEC-320 H 250VAC 10A FIJ PANEL N	2
80	1	M151400125LA0	.ARANDELA METRICA M4 DIN 125A A2 PLANA	6
81	1	M151400127EA6	.ARANDELA METRICA M4.0 DIN 127 GROWER ACE	6
82	1	M01140008LPA0	.TORNILLO METRICA M4*8 DIN 7985 A2 C/AL P	6
83	1	1237090270000	.ACC TAPA FINAL EW35 P/BORNAS ZDU/WDU/SAK	5
84	1	1237090299000	.TAPA BORNA WAP 2.5-10 1,5X56MM WEMID GRI	10
85	1	1234025120400	.ABRAZADERA NO AJUST D=12MM NYLON NEGRO	12
86	1	1589990340000	.MANGUITO PROTECCION DINT=5,9MM L=3,3 GRI	4
87	1	0063440001840	.CABLE ASSEMBLY W 74	1
88	1	0063440001850	.CABLE ASSEMBLY W 75	1
89	1	0063440001860	.CABLE ASSEMBLY W 76	2

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
90	1	0063480006600	.STICK FRONT POSITION	1
91	1	0063480006800	. DME Module Label	1
92	1	0865681112500	.LABEL WARNING HIGH LEAKAGE	1
93	1	1234024500000	.ABRAZADERA D=5MM NYLON NEGRO	8
94	1	M01125008LPA6	.TORNILLO METRICA M2.5*8 DIN 7985 A4 C/AL	16
95	1	1800101100000.VO	.ADHESIVO BLOQUEO 270 (VERDE)	10
96	1	M151250125AA0	.ARANDELA METRICA M2.5 DIN 125 PLANA ACER	16
97	1	1237090169200	.SEÑALIZADOR PARA BORNA 4MM WTR DEL 1-50	1
98	1	1208094010100	.ACC CLIP FIJACION CNC RED IEC320 AER	4
99	1	0063440001580	.CABLE ASSEMBLEY W48	1
100	1	0063440001640	.CABLE ASSEMBLEY W54	1
101	1	0063440001700	.CABLE ASSEMBLEY W60	1
102	1	0063440001770	.CABLE ASSEMBLEY W67	1
103	1	0063440001800	.CABLE ASSEMBLEY W70	1
104	1	0063480000240	.MTU Blank Panel Lexan	2
105	1	0063440001120	.CABLE ASSEMBLY W02	1
106	1	0063440001150	.CABLE ASSEMBLY W05	1
107	1	0063440001180	.CABLE ASSEMBLY W08	1
108	1	0063440001200	.CABLE ASSEMBLY W10	1
109	1	0063440001210	.CABLE ASSEMBLEY W11	1
110	1	0063440001290	.CABLE ASSEMBLEY W19	1
111	1	0063440001300	.CABLE ASSEMBLEY W20	1
112	1	0063440001360	.CABLE ASSEMBLEY W26	1
113	1	0063440001370	.CABLE ASSEMBLEY W27	1
114	1	0063440001390	.CABLE ASSEMBLEY W29	1
115	1	0063440001400	.CABLE ASSEMBLEY W30	1
116	1	0063440001430	.CABLE ASSEMBLEY W33	1

3.1.4 High Power DME Cabinet [0063420001010]

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420001010**	**DME CABINET**	**1**
1	1	0063430003000	.SUBRACK 1 MOTHER BOARD	1
2	1	0063430002000	.RF SHELF BOARD	2
3	1	0063420001100	.METALWORKS	1
4	1	0063420001201	.MISCELLANEOUS	1
5	1	0063420006300	.BLEAKERS SET LRU	2
6	1	0063430005700	.CONJ. TARJ. SUBRACK 2 MOTHER BOARD	1
7	1	0063420005500	.RECTFIER MODULE LRU	4
8	1	0063420006200	.POWER SUPPLY SUBRACK UNIT LRU	2
9	1	0063420006600	.DC POWER KIT	1

3.1.4.1 MISCELLANEOUS [0063420001201]

See section 3.1.3.1.

3.1.5 Low Power DME Cabinet [0063420001022]

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420001022**	**DME CABINET LP NORMAC**	**1**
1	1	0063430005700	.CONJ. TARJ. SUBRACK 2 MOTHER BOARD	1
2	1	0063420001102	.METALWORS NORMAC	1
3	1	0063420001206	.MISCELLANEOUS NORMAC LP	1
4	1	0063420005500	.RECTFIER MODULE LRU	4
5	1	0063420006200	.POWER SUPPLY SUBRACK UNIT LRU	2
6	1	0063430003000	.SUBRACK 1 MOTHER BOARD	1
7	1	0063430002000	.RF SHELF BOARD	2
8	1	0063420006300	.BLEAKERS SET LRU	2

3.1.5.1 MISCELLANEOUS NORMAC LP [0063420001206]

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420001206**	**MISCELLANEOUS NORMAC LP**	**1**
1	1	1080526041300	.ATENUADOR COAX DC-6GHZ 3DB SMA-M/H ROHS	4
2	1	1234024500000	.ABRAZADERA D=5MM NYLON NEGRO	8
3	1	M01125008LPA6	.TORNILLO METRICA M2.5*8 DIN 7985 A4 C/AL	16
4	1	1800101100000.VO	.ADHESIVO BLOQUEO 270 (VERDE)	10
5	1	M151250125AA0	.ARANDELA METRICA M2.5 DIN 125 PLANA ACER	16
6	1	1237090169200	.SEÑALIZADOR PARA BORNA 4MM WTR DEL 1-50	1
7	1	1234590218000	.ACC TAPA PROT IP20 GR CPUF35 P/BLOQ TERM	4
8	1	M01140008LPA0	.TORNILLO METRICA M4*8 DIN 7985 A2 C/AL P	6
9	1	1589990340000	.MANGUITO PROTECCION DINT=5,9MM L=3,3 GRI	12
10	1	1587000170000	.ETIQUETA ADH PUESTA TIERRA 25X25MM VINIL	1
11	1	1587040090000	.ETIQUETA ADH ESD BEWARE 40X33 VINILO/AMA	1
12	1	1587000180000	.ETIQUETA ADH RAYO DESCARGA 19X20 VIN/AMA	1
13	1	0063440001830	.CABLE ASSEMBLEY W73	1
14	1	0063440001350	.CABLE ASSEMBLEY W25	1
15	1	1207089030000	.PANEL ACOPLADOR RJ45 (8X8) RECTO CAT5	1
16	1	M151250127EA0	.ARANDELA METRICA M2.5 DIN 127 GROWER ACE	16
17	1	1115100020000	.ENCHUFE CON FILTRO DE RED 250VAC 0,075MH	2
18	1	1080922540100	.TERMINACION SMA (M) 50OHM 2.5GHZ 1W ORO	6
19	1	1509009012021	.TOR CIL RAN M2,5X12,3 AC NI-PLAT	12
20	1	1237014402804	.BORNA BEIGE OSCURO 4MM TIPO WDU 4 AWG26-	40
21	1	1233525760100	.BRIDA L=278X3,6MM NYLON COLOR NATURAL	10
22	1	G11HE01130420	.ABRAZADERA PARA D=13.6MM HELLERMANN NX-	8
23	1	G11HE01140420	.ABRAZADERA CIRCULAR HELLERMANN NX-8 DMAX	12
24	1	G11HE01150420	.ABRAZADERA CIRCULAR HELLERMANN NX-11 DMA	1
25	1	G11HE01160420	.ABRAZADERA CIRCULAR HELLERMANN NX-14 DMA	1
26	1	G11HE01600420	.ABRAZADERA CIRCULAR D=7.6MM NYLON ATORN.	22
27	1	1233525320100	.BRIDA 3,6X142MM DMAX=32MM NYLON NATURAL	10
28	1	G23H02UB000P0	.PROTECTOR FLEXIFORM HELLERMAN G51P/A POL	.5
29	1	G150121210B20	.BASE ATORNILLADA 12*10 1257 UNEX	2
30	1	1234024340000	.ABRAZADERA NO AJUST D3,4MM NYLON NEGRO	3
31	1	1237014352000	.BORNA POTENCIA 35MM2 600V 115A CARRIL DI	4
32	1	1234024800000	.ABRAZADERA NO AJUST D=8MM NYLON NEGRO	14
33	1	1208094010100	.ACC CLIP FIJACION CNC RED IEC320 AER	4
34	1	1080526043000	.ATENUADOR DC-6000MHZ 50OHM 2W 30DB SMA	2
35	1	0063440001130	.CABLE ASSEMBLY W03	1
36	1	0063440001240	.CABLE ASSEMBLEY W14	1
37	1	0063440001270	.CABLE ASSEMBLEY W17	1

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
38	1	0063440001310	.CABLE ASSEMBLEY W21	1
39	1	0063440001320	.CABLE ASSEMBLEY W22	1
40	1	0063440001340	.CABLE ASSEMBLEY W24	1
41	1	0063440001380	.CABLE ASSEMBLEY W28	1
42	1	0063440001410	.CABLE ASSEMBLEY W31	1
43	1	0063440001490	.CABLE ASSEMBLEY W39	1
44	1	0063440001510	.CABLE ASSEMBLEY W41	1
45	1	0063440001720	.CABLE ASSEMBLEY W62	1
46	1	0063440001820	.CABLE ASSEMBLEY W72	13
47	1	0063480000230	.MTU BLANK PANEL	2
48	1	0063480001623	.HPA Blank Panel	2
49	1	1580167047000	.SEP EXA M/H M4 L=70MM E/C=7MM AC	6
50	1	1237090824400	.PUENTE CONEX P/BORNA WQV 4/10 10P 41A	4
51	1	0063440001660	.CABLE ASSEMBLEY W56	1
52	1	0063440001780	.CABLE ASSEMBLEY W68	1
53	1	0063440001790	.CABLE ASSEMBLEY W69	1
54	1	0063440001110	.CABLE ASSEMBLY W01	1
55	1	0063440001140	.CABLE ASSEMBLY W04	1
56	1	0063440001160	.CABLE ASSEMBLY W06	1
57	1	0063480003710	.Rear Pach Panel Cover	1
58	1	0063440001190	.CABLE ASSEMBLY W09	1
59	1	0063440001230	.CABLE ASSEMBLEY W13	1
60	1	0063440001250	.CABLE ASSEMBLEY W15	1
61	1	0063440001260	.CABLE ASSEMBLEY W16	1
62	1	0063440001280	.CABLE ASSEMBLEY W18	1
63	1	0063440001330	.CABLE ASSEMBLEY W23	1
64	1	0063440001420	.CABLE ASSEMBLEY W32	1
65	1	0063440001440	.CABLE ASSEMBLEY W34	1
66	1	0063440001450	.CABLE ASSEMBLEY W35	1
67	1	0063440001460	.CABLE ASSEMBLEY W36	1
68	1	0063440001480	.CABLE ASSEMBLEY W38	1
69	1	0063440001500	.CABLE ASSEMBLEY W40	1
70	1	0063440001520	.CABLE ASSEMBLEY W42	1
71	1	0063440001560	.CABLE ASSEMBLEY W46	1
72	1	0063440001570	.CABLE ASSEMBLEY W47	1
73	1	0063440001590	.CABLE ASSEMBLEY W49	1
74	1	0063440001670	.CABLE ASSEMBLEY W57	1
75	1	0063440001680	.CABLE ASSEMBLEY W58	1
76	1	0063440001710	.CABLE ASSEMBLEY W61	1
77	1	0063440001760	.CABLE ASSEMBLEY W66	1
78	1	0865681112500	.LABEL WARNING HIGH LEAKAGE	1
79	1	1237090270000	.ACC TAPA FINAL EW35 P/BORNAS ZDU/WDU/SAK	5
80	1	1237090299000	.TAPA BORNA WAP 2.5-10 1,5X56MM WEMID GRI	10
81	1	1234025120400	.ABRAZADERA NO AJUST D=12MM NYLON NEGRO	12
82	1	0063440001580	.CABLE ASSEMBLEY W48	1
83	1	0063440001690	.CABLE ASSEMBLEY W59	1
84	1	0063440001700	.CABLE ASSEMBLEY W60	1
85	1	0063440001770	.CABLE ASSEMBLEY W67	1
86	1	0063480000240	.MTU Blank Panel Lexan	2
87	1	0063440001120	.CABLE ASSEMBLY W02	1
88	1	0063440001150	.CABLE ASSEMBLY W05	1
89	1	0063440001180	.CABLE ASSEMBLY W08	1

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
90	1	0063440001200	.CABLE ASSEMBLY W10	1
91	1	0063440001210	.CABLE ASSEMBLEY W11	1
92	1	0063440001290	.CABLE ASSEMBLEY W19	1
93	1	0063440001300	.CABLE ASSEMBLEY W20	1
94	1	0063440001360	.CABLE ASSEMBLEY W26	1
95	1	0063440001370	.CABLE ASSEMBLEY W27	1
96	1	0063440001390	.CABLE ASSEMBLEY W29	1
97	1	0063440001400	.CABLE ASSEMBLEY W30	1
98	1	0063440001430	.CABLE ASSEMBLEY W33	1
99	1	0063480001624	.HPA Blank Panel Lexan	2
100	1	1218000320200	.CNC RED IEC-320 H 250VAC 10A FIJ PANEL N	2
101	1	M151400125LA0	.ARANDELA METRICA M4 DIN 125A A2 PLANA	6
102	1	M151400127EA6	.ARANDELA METRICA M4.0 DIN 127 GROWER ACE	6
103	1	0063440001840	.CABLE ASSEMBLY W 74	1
104	1	0063440001850	.CABLE ASSEMBLY W 75	1
105	1	0063440001860	.CABLE ASSEMBLY W 76	2
106	1	0063480006600	.STICK FRONT POSITION	1
107	1	0063480006800	. DME Module Label	1

3.1.6 RF Shelf Board (RFS)

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063430002000**	**RF SHELF BOARD**	**1**
1	1	M151250125AA6	.ARANDELA METRICA M2.5 DIN 125 PLANA ACER	44
2	1	1001831001100	.RST CHIP 100R00 1% 1W 100PPM 2512 ROHS	4
3	1	0063480006800	. DME Module Label	1
4	1	M01125014LPA0	.TORNILLO METRICA M2.5*14 DIN 7985 A2 C/A	44
5	1	0063470002000	.P.C.B. RF SHELF BOARD	1
6	1	1001324991300	.RST CHIP 49R90 ±1% 1/4W ±100PPM 1206 R	2
7	1	1587080130000	.ETIQUETA ADH 38,10X63,5MM TRANSPARENTE B	12
8	1	M151250127EA6	.ARANDELA METRICA M2.5 DIN 127 GROWER ACE	92
9	1	M01125005ACA6	.TORNILLO METRICA M2.5*5 DIN 912 A4 C/C A	48
10	1	1215035132301	.CNC COAX SMA RECEP(H) PANEL RECT	12
11	1	0063480004020	.RF Shelf Plate A	1
12	1	0063480004030	.RF Shelf Plate B	1

3.1.7 SUBRACK 1 MOTHER BOARD

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063430003000**	**SUBRACK 1 MOTHER BOARD**	**1**
1	1	M101250934EA0	.TUERCA METRICA M2.5 EXAGONAL DIN 934	4
2	1	M151250125AA6	.ARANDELA METRICA M2.5 DIN 125 PLANA ACER	32
3	1	M01125010LPA0	.TORNILLO METRICA M2.5*10 DIN 7985 A2 C/A	4
4	1	1209500600700	.TERM POTENCIA 6P RECT (5,08MM) M4	1
5	1	M151250127EA0	.ARANDELA METRICA M2.5 DIN 127 GROWER ACE	32
6	1	1212005000700	.CNC SUB-D 50H RECT PCB	2
7	1	1211009601000	.CNC DIN 41612 H TIPO-C 96P RECTO	2
8	1	1001300001300	.RST CHIP 0R 1% 1/4W 100PPM 1206 ROHS	6
9	1	1207000410400	.CNC USB-B 4P RECEPT ACOD SMT	2
10	1	1040600369100	.DIODO TVS PSOT36 SOT-23	2
11	1	1200300400101	.CNC RECT 4P/M 5.08MM RECT SOLD PCB	2
12	1	1212101500400	.CNC SUBD AD 15H PCB RC 4MM T.H/H 4-40UNC	2
13	1	M01125012LPA0	.TORNILLO METRICA M2.5*12 DIN 7985 A2 C/A	24

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
14	1	M01125008LPA0	.TORNILLO METRICA M2.5*8 DIN 7985 A2 C/A	4
15	1	1014984700500	.COND ELECTROLITICO CAJA E 47UF 50V 20%	4
16	1	M151200125AA0	.ARANDELA METRICA M2.0 DIN 125 PLANA INOX	14
17	1	M151200125AA0	.ARANDELA METRICA M2.0 DIN 125 PLANA INOX	12
18	1	M151200127EA0	.ARANDELA METRICA M2 DIN 127 GROWER ACER	32
19	1	M151200127EA0	.ARANDELA METRICA M2 DIN 127 GROWER ACER	8
20	1	M151200127EA0	.ARANDELA METRICA M2 DIN 127 GROWER ACER	6
21	1	0063470003001	.SUBRACK 1 MOTHER BOARD	1
22	1	M01120008LPA0	.TORNILLO METRICA M2*8 DIN 7985 C/ALOM.PH	2
23	1	M101200934EA0	.TUERCA METRICA M2.0 EXAGONAL DIN 934 INO	6
24	1	M01120010LPA0	.TORNILLO METRICA M2*10 DIN 7985 C/AL PHI	6
25	1	1211009601300	.CNC DIN41612 96H RECT (2,54MM) TIPO-C	2
26	1	1014981000500	.CON ELECT CHIP AL 10UF 50V SMD	2

3.1.8 SUBRACK 2 MOTHER BOARD

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063430005700**	**CONJ. TARJ. SUBRACK 2 MOTHER BOARD**	**1**
1	1	M151300125AA0	.ARANDELA METRICA A3.2 DIN 125 PLANA INOX	10
2	1	M151300125AA0	.ARANDELA METRICA A3.2 DIN 125 PLANA INOX	12
3	1	1540109000050	.ARANDELA PLANA P/M2,5 NYLON 6.6 DIN125	16
4	1	M151250125AA6	.ARANDELA METRICA M2.5 DIN 125 PLANA ACER	44
5	1	1212001501700	.CNC SUB-D C IMP RECT #4-40 15H ROHS	2
6	1	1212003701700	.CNC SUB-D C IMP RECT #4-40 37H ROHS	2
7	1	1206001040100	.CNC CBL PLANO RECT 2.54MM PRESSFIT 10M	2
8	1	1206004040100	.CNC CBL PLANO RECT 2.54MM PRESSFIT 40M	6
9	1	1202000902100	.CNC SUB-D C IMP RECT 9H PRESSFIT ROHS	1
10	1	1206005040100	.CNC CBL PLANO RECT 2.54MM PRESSFIT 50M	2
11	1	M151300127EA0	.ARANDELA METRICA M3.0 DIN 127 GROWER	10
12	1	M151300127EA0	.ARANDELA METRICA M3.0 DIN 127 GROWER	12
13	1	M01130006LPA0	.TORNILLO METRICA M3*6 DIN 7985 A2 C/AL P	10
14	1	M01130006LPA0	.TORNILLO METRICA M3*6 DIN 7985 A2 C/AL P	12
15	1	G251511502010	.CINTA PERFIL ESPONJOSO AUTOADHESIVA NEGR	.001
16	1	1041400269000	.DIODO SCHOTTKY SS26 0,7V/2A	2
17	1	1027501600000	.FERRITA SUPRESION 3,5X62X6,7MM AWG=22 10	1
18	1	1208000840200	.CNC RJ45 + 2 CNC USB 10/100BASE-T	2
19	1	1040600369100	.DIODO TVS PSOT36 SOT-23	4
20	1	1014984700500	.COND ELECTROLITICO CAJA E 47UF 50V 20%	8
21	1	M151200125AA0	.ARANDELA METRICA M2.0 DIN 125 PLANA INOX	88
22	1	M151200127EA0	.ARANDELA METRICA M2 DIN 127 GROWER ACER	44
23	1	M01125016LPA0	.TORNILLO METRICA M2.5*16 DIN 7985 A2 C/A	6
24	1	M01125016LPA0	.TORNILLO METRICA M2.5*16 DIN 7985 A2 C/A	8
25	1	1200301003000	.CNC RECT 10P/M 5,08MM S/PCB NEGRO	2
26	1	M01125012LPA0	.TORNILLO METRICA M2.5*12 DIN 7985 A2 C/A	22
27	1	M01125012LPA0	.TORNILLO METRICA M2.5*12 DIN 7985 A2 C/A	20
28	1	M01125008LPA0	.TORNILLO METRICA M2.5*8 DIN 7985 A2 C/A	16
29	1	1220100260200	.CBL FLEX 1XAWG26 600V D=0.86MM RJ	.001
30	1	1206005030300	.CNC CBL PLANO 50M IDC (2,54MM) RECT	2
31	1	0063470005700	.P.C.B.SUBRACK 2 MOTHER BOARD	1
32	1	1212101500400	.CNC SUBD AD 15H PCB RC 4MM T.H/H 4-40UNC	2
33	1	M151250127EA6	.ARANDELA METRICA M2.5 DIN 127 GROWER ACE	44
34	1	M101200934EA0	.TUERCA METRICA M2.0 EXAGONAL DIN 934 INO	44

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
35	1	M01120010LPA0	.TORNILLO METRICA M2*10 DIN 7985 C/AL PHI	44
36	1	1212000900900	.CNC SUB-D 9H RECT S/PCB 5A ROHS	1
37	1	1211009601300	.CNC DIN41612 96H RECT (2,54MM) TIPO-C	12
38	1	1014981000500	.CON ELECT CHIP AL 10UF 50V SMD	4
39	1	1212003701600	.CNC SUB-D 37H RECT PCB	2
40	1	1206001000900	.CNC CBL PLANO 10M RECT 2.54MM	2
41	1	1206004000100	.CNC CBL PLANO 40M RECT 2.54MM	6

3.1.9 POWER SUPPLY UNIT SUBRACK UNIT

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420006200**	**POWER SUPPLY SUBRACK UNIT LRU**	**1**
1	1	1234525308000	.ARO PASACBLE DIAFRAGMA 20,5/30MM PVC NEG	1
2	1	1220114152000	.CBL FLEX 1X1,5 MM2 PVC 750V AV H07VK	.14
3	1	0063480005700	.PSU LABLE ON CB	1
4	1	1234525123000	.PRENSAESTOPA PG13.5 CBL/6-12MM GADI PA6	1
5	1	1262200379000	.PANEL CIEGO P/CORDEX 250/400/650W NEGRO	2
6	1	1238514161200	.TERMINAL AISLADO HORQUILLA PARA TORNILLO	6
7	1	1220114153000	.CBL FLEX 1X1,5 MM2 PVC 750V NE H07VK	.14
8	1	1220114153600	.CBL FLEX 1X1,5 MM2 PVC 750V AZ H07VK	.14
9	1	1263011990900	.MOD FA 4XCXRC VS=24VDC 400W 1XCTRL CXCI	1

3.1.10 RECTIFIER MODULE

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420005500**	**RECTFIER MODULE LRU**	**1**
1	1	0063480005900	.PSU LABEL ON MODULE	1
2	1	1263011990700	.F.A CORDEX VE=90-320VAC VS=20-29VDC 400W	1

3.1.11 DC POWER KIT

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420006600**	**DC POWER KIT**	**1**
1	1	M151400125LA0	.ARANDELA METRICA M4 DIN 125A A2 PLANA	3
2	1	M151400127EA6	.ARANDELA METRICA M4.0 DIN 127 GROWER ACE	3
3	1	1234590218000	.ACC TAPA PROT IP20 GR CPUF35 P/BLOQ TERM	8
4	1	M01140008LPA0	.TORNILLO METRICA M4*8 DIN 7985 A2 C/AL P	3
5	1	0063480004050	.DIN Rail TS35x7,5	1
6	1	0063480007400	.REAR PATCH PANEL DC INPUT	1
7	1	1049000109000	.MOD DIODOS CARRIL SIMETRICO 12-24VDC 40A	2
8	1	1135290390000	.DISYUNTOR 1P 20A INSTANT TRIP C.DIN VDE	2
9	1	G351331G41241	.TERMINAL REDONDO S=2.63-6.64MM2 D=6.4MM	12
10	1	1233525760100	.BRIDA L=278X3,6MM NYLON COLOR NATURAL	16
11	1	1232024489000	.TUBO TERMORRETRACTIL MARCAJE 4.8-1.6 BLA	28
12	1	1238514262600	.TERMINAL AISLADO PUNTERA CABLE 1.04-2.63	12
13	1	1237014352000	.BORNA POTENCIA 35MM2 600V 115A CARRIL DI	4
14	1	0063440000670	.CABLE ASSEMBLEY PSU-NMP AUXILIARY	1
15	2	1229991059528	..CABLE PLANO 37 COND AWG=28 3M 3365-37 DC	1.35
16	2	G01RAD00583AD	..TUBO TERMORRETRACTIL PARA MARCAJE 3.2-1.	16
17	2	1237723250000	..TERMINAL AISLADO PD DIN46228 10X6X0.25MM	16
18	2	1202003702500	..CNC SUB-D 37P (M) RECT 1A P/CABLE PLANO	1
19	2	1587080110000	..ETIQUETA ADHESIVA 3,190X1,9" VINILO BLAN	1
20	2	1212303740000	..CNC SUB-D 37P (H) IDC RECT AU P/CBL PL	1

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
21	1	1237090270000	.ACC TAPA FINAL EW35 P/BORNAS ZDU/WDU/SAK	6
22	1	1220100103000	.CBL FLEX 1XAWG10 PVDF 600V NE	4.7
23	1	1220100103200	.CBL FLEX 1XAWG10 PVDF 600V RO	3

3.2 AC INPUT BOX

3.2.1 AC INPUT BOX SP [0063420001301]

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420001301**	**AC INPUT BOX**	**1**
1	1	1218000320200	.CNC RED IEC-320 H 250VAC 10A FIJ PANEL N	2
2	1	1218000323800	.CNC RED SCHUKO 2P+T/H 250VAC 16A	3
3	1	1120799017500	.CNM ROTATIVO 3P 380-440V 9,5KW 25A NEGRO	2
4	1	1208094010100	.ACC CLIP FIJACION CNC RED IEC320 AER	5
5	1	0063480006800	. DME Module Label	1
6	1	0063480003720	.3U 19" Bottom Vented Front Panel	1
7	1	0063480003740	.Plug Support	1
8	1	1220100123630	.CBL FLEX 1XAWG12 PVDF 600V AZ	3
9	1	M151406798JA0	.ARANDELA METRICA M4.0 DIN 6798A DENTADA	3
10	1	M151506798JA0	.ARANDELA METRICA M5.0 DIN 6798A PRESION	7
11	1	1150112002200	.FUSIBLE RAPIDO 5X20 2A 250V 0217002.M	1
12	1	1208000380501	.CNC RED POTENCIA P/CHASIS C/PORTAFUSIBLE	1
13	1	M101300934EA6	.TUERCA EX M3 INOX ISO4032	31
14	1	1208000320300	.CNC RED 3M 10A 250VAC NYLON NEGRO RECTO	2
15	1	1229991069511	.CABLE 1 COND AWG=12 NEGRO RAYCHEM 44A01	3
16	1	M151300125AA0	.ARANDELA METRICA A3.2 DIN 125 PLANA INOX	37
17	1	M151400125AA6	.ARANDELA METRICA M4.0 DIN 125 PLANA ACER	1
18	1	M151300127EA0	.ARANDELA METRICA M3.0 DIN 127 GROWER	37
19	1	1220100122001.LO	.CBL FLEX 1XAWG12 PTFE 600V AM/VER	4
20	1	M01130006LPA0	.TORNILLO METRICA M3*6 DIN 7985 A2 C/AL P	6
21	1	M101400934EA0	.TUERCA METRICA M4.0 EXAGONAL DIN 934 INO	1
22	1	M101500934EA0	.TUERCA METRICA M5.0 EXAGONAL DIN 934 ACE	3
23	1	M01150012LPA0	.TORNILLO METRICA M5*12 DIN 7985 A2 C/AL	1
24	1	G350722F3J060	.TERMINAL REDONDO S=1.04-2.63MM2 D=5.3MM	8
25	1	G350727G41260	.TERMINAL REDONDO S=1.04-2.63MM2 D=6.4MM	1
26	1	1237700103000	.TERMINAL FASTON PVC AISL H AZUL AWG=10 6	17
27	1	1233525320100	.BRIDA 3,6X142MM DMAX=32MM NYLON NATURAL	40
28	1	G36P800G3A8C2	.TERMINAL FASTON ACODADO M A=6.3MM E=0.8M	2
29	1	1238514261601	.TERM PREAISL HORQUILLA S=1,04-2,63MM2 D=	16
30	1	1232024959000	.TUBO TERMORRETRACTIL MARCAJE 9.5-3.2 BLA	10
31	1	1238514262600	.TERMINAL AISLADO PUNTERA CABLE 1.04-2.63	8
32	1	0063480003730	.Power Supply Switch Enclosure	1

3.2.2 AC INPUT BOX AU/NZ [0063420001302]

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420001302**	**AC INPUT BOX**	**1**
1	1	1220100123630	.CBL FLEX 1XAWG12 PVDF 600V AZ	3
2	1	M151406798JA0	.ARANDELA METRICA M4.0 DIN 6798A DENTADA	3
3	1	M151506798JA0	.ARANDELA METRICA M5.0 DIN 6798A PRESION	7
4	1	1218000323802	.CNC RED SCHUKO 2P+T/H 250VAC 15A AUS	3
5	1	1120799017500	.CNM ROTATIVO 3P 380-440V 9,5KW 25A NEGRO	2
6	1	1208094010100	.ACC CLIP FIJACION CNC RED IEC320 AER	5

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
7	1	1218000320200	.CNC RED IEC-320 H 250VAC 10A FIJ PANEL N	2
8	1	G350722F3J060	.TERMINAL REDONDO S=1.04-2.63MM2 D=5.3MM	8
9	1	G350727G41260	.TERMINAL REDONDO S=1.04-2.63MM2 D=6.4MM	1
10	1	1237700103000	.TERMINAL FASTON PVC AISL H AZUL AWG=10 6	17
11	1	1233525320100	.BRIDA 3,6X142MM DMAX=32MM NYLON NATURAL	40
12	1	G36P800G3A8C2	.TERMINAL FASTON ACODADO M A=6.3MM E=0.8M	2
13	1	1238514261601	.TERM PREAISL HORQUILLA S=1,04-2,63MM2 D=	16
14	1	1232024959000	.TUBO TERMORRETRACTIL MARCAJE 9.5-3.2 BLA	10
15	1	1238514262600	.TERMINAL AISLADO PUNTERA CABLE 1.04-2.63	8
16	1	0063480003730	.Power Supply Switch Enclosure	1
17	1	M101300934EA6	.TUERCA EX M3 INOX ISO4032	31
18	1	M101400934EA0	.TUERCA METRICA M4.0 EXAGONAL DIN 934 INO	1
19	1	M101500934EA0	.TUERCA METRICA M5.0 EXAGONAL DIN 934 ACE	3
20	1	M01150012LPA0	.TORNILLO METRICA M5*12 DIN 7985 A2 C/AL	1
21	1	1208000320300	.CNC RED 3M 10A 250VAC NYLON NEGRO RECTO	2
22	1	0063480006800	. DME Module Label	1
23	1	0063480003720	.3U 19" Bottom Vented Front Panel	1
24	1	0063480003740	.Plug Support	1
25	1	1229991069511	.CABLE 1 COND AWG=12 NEGRO RAYCHEM 44A01	3
26	1	M151300125AA0	.ARANDELA METRICA A3.2 DIN 125 PLANA INOX	37
27	1	M151400125AA6	.ARANDELA METRICA M4.0 DIN 125 PLANA ACER	1
28	1	M151300127EA0	.ARANDELA METRICA M3.0 DIN 127 GROWER	37
29	1	1220100122001.LO	.CBL FLEX 1XAWG12 PTFE 600V AM/VER	4
30	1	M01130006LPA0	.TORNILLO METRICA M3*6 DIN 7985 A2 C/AL P	6
31	1	1150112002200	.FUSIBLE RAPIDO 5X20 2A 250V 0217002.M	1
32	1	1208000380501	.CNC RED POTENCIA P/CHASIS C/PORTAFUSIBLE	1

3.2.3 AC INPUT BOX USA [0063420001303]

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420001303**	**AC INPUT BOX**	**1**
1	1	1220100123630	.CBL FLEX 1XAWG12 PVDF 600V AZ	4
2	1	M151406798JA0	.ARANDELA METRICA M4.0 DIN 6798A DENTADA	3
3	1	M151506798JA0	.ARANDELA METRICA M5.0 DIN 6798A PRESION	7
4	1	1150112002200	.FUSIBLE RAPIDO 5X20 2A 250V 0217002.M	1
5	1	1208000380501	.CNC RED POTENCIA P/CHASIS C/PORTAFUSIBLE	1
6	1	1218000320200	.CNC RED IEC-320 H 250VAC 10A FIJ PANEL N	2
7	1	1218000323803	.CNC RED SCHUKO 2P+T/H 125VAC 15A USA/CAN	3
8	1	1120799017500	.CNM ROTATIVO 3P 380-440V 9,5KW 25A NEGRO	2
9	1	1208094010100	.ACC CLIP FIJACION CNC RED IEC320 AER	5
10	1	1208000320300	.CNC RED 3M 10A 250VAC NYLON NEGRO RECTO	2
11	1	M101300934EA6	.TUERCA EX M3 INOX ISO4032	31
12	1	M101400934EA0	.TUERCA METRICA M4.0 EXAGONAL DIN 934 INO	1
13	1	M101500934EA0	.TUERCA METRICA M5.0 EXAGONAL DIN 934 ACE	3
14	1	M01150012LPA0	.TORNILLO METRICA M5*12 DIN 7985 A2 C/AL	1
15	1	0063480006800	. DME Module Label	1
16	1	0063480003720	.3U 19" Bottom Vented Front Panel	1
17	1	0063480003740	.Plug Support	1
18	1	1229991069511	.CABLE 1 COND AWG=12 NEGRO RAYCHEM 44A01	3
19	1	M151300125AA0	.ARANDELA METRICA A3.2 DIN 125 PLANA INOX	37
20	1	M151400125AA6	.ARANDELA METRICA M4.0 DIN 125 PLANA ACER	1
21	1	M151300127EA0	.ARANDELA METRICA M3.0 DIN 127 GROWER	37
22	1	1220100122001.LO	.CBL FLEX 1XAWG12 PTFE 600V AM/VER	4

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
23	1	M01130006LPA0	.TORNILLO METRICA M3*6 DIN 7985 A2 C/AL P	6
24	1	G350722F3J060	.TERMINAL REDONDO S=1.04-2.63MM2 D=5.3MM	8
25	1	G350727G41260	.TERMINAL REDONDO S=1.04-2.63MM2 D=6.4MM	1
26	1	1237700103000	.TERMINAL FASTON PVC AISL H AZUL AWG=10 6	17
27	1	1233525320100	.BRIDA 3,6X142MM DMAX=32MM NYLON NATURAL	40
28	1	G36P800G3A8C2	.TERMINAL FASTON ACODADO M A=6.3MM E=0.8M	2
29	1	1238514261601	.TERM PREAISL HORQUILLA S=1,04-2,63MM2 D=	16
30	1	1232024959000	.TUBO TERMORRETRACTIL MARCAJE 9.5-3.2 BLA	10
31	1	1238514262600	.TERMINAL AISLADO PUNTERA CABLE 1.04-2.63	8
32	1	0063480003730	.Power Supply Switch Enclosure	1

3.2.4 AC INPUT BOX UK [0063420001304]

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420001304**	**AC INPUT BOX (UK)**	**1**
1	1	1220100123630	.CBL FLEX 1XAWG12 PVDF 600V AZ	3
2	1	M151406798JA0	.ARANDELA METRICA M4.0 DIN 6798A DENTADA	3
3	1	M151506798JA0	.ARANDELA METRICA M5.0 DIN 6798A PRESION	7
4	1	G350722F3J060	.TERMINAL REDONDO S=1.04-2.63MM2 D=5.3MM	8
5	1	G350727G41260	.TERMINAL REDONDO S=1.04-2.63MM2 D=6.4MM	1
6	1	1237700103000	.TERMINAL FASTON PVC AISL H AZUL AWG=10 6	17
7	1	1233525320100	.BRIDA 3,6X142MM DMAX=32MM NYLON NATURAL	40
8	1	G36P800G3A8C2	.TERMINAL FASTON ACODADO M A=6.3MM E=0.8M	2
9	1	1238514261601	.TERM PREAISL HORQUILLA S=1,04-2,63MM2 D=	16
10	1	1232024959000	.TUBO TERMORRETRACTIL MARCAJE 9.5-3.2 BLA	10
11	1	1238514262600	.TERMINAL AISLADO PUNTERA CABLE 1.04-2.63	8
12	1	M101300934EA6	.TUERCA EX M3 INOX ISO4032	31
13	1	M101400934EA0	.TUERCA METRICA M4.0 EXAGONAL DIN 934 INO	1
14	1	M101500934EA0	.TUERCA METRICA M5.0 EXAGONAL DIN 934 ACE	3
15	1	M01150012LPA0	.TORNILLO METRICA M5*12 DIN 7985 A2 C/AL	1
16	1	0063480006800	. DME Module Label	1
17	1	0063480003720	.3U 19" Bottom Vented Front Panel	1
18	1	0063480003740	.Plug Support	1
19	1	1229991069511	.CABLE 1 COND AWG=12 NEGRO RAYCHEM 44A01	3
20	1	M151300125AA0	.ARANDELA METRICA A3.2 DIN 125 PLANA INOX	37
21	1	M151400125AA6	.ARANDELA METRICA M4.0 DIN 125 PLANA ACER	1
22	1	M151300127EA0	.ARANDELA METRICA M3.0 DIN 127 GROWER	37
23	1	1220100122001.LO	.CBL FLEX 1XAWG12 PTFE 600V AM/VER	4
24	1	M01130006LPA0	.TORNILLO METRICA M3*6 DIN 7985 A2 C/AL P	6
25	1	1208000320300	.CNC RED 3M 10A 250VAC NYLON NEGRO RECTO	2
26	1	1218000320200	.CNC RED IEC-320 H 250VAC 10A FIJ PANEL N	2
27	1	1218000323801	.CNC RED SCHUKO 2P+T/H 250VAC 13A BT	3
28	1	1120799017500	.CNM ROTATIVO 3P 380-440V 9,5KW 25A NEGRO	2
29	1	1208094010100	.ACC CLIP FIJACION CNC RED IEC320 AER	5
30	1	1150112002200	.FUSIBLE RAPIDO 5X20 2A 250V 0217002.M	1
31	1	1208000380501	.CNC RED POTENCIA P/CHASIS C/PORTAFUSIBLE	1
32	1	0063480003730	.Power Supply Switch Enclosure	1

3.3 LOCAL CONTROL UNIT (LCU)

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420003100**	**LOCAL CONTROL UNIT**	**1**
1	1	M151300125AA0	.ARANDELA METRICA A3.2 DIN 125 PLANA INOX	8
2	1	M151300125AA0	.ARANDELA METRICA A3.2 DIN 125 PLANA INOX	4
3	1	1219990480000	.ACC PIN H 30-22AWG CRIMP P/CNC SERIE PH	4
4	1	1805690010200.VO	.BARNIZ ACRILICO AR HUMISEAL 1B31	10
5	1	M151300127EA0	.ARANDELA METRICA M3.0 DIN 127 GROWER	14
6	1	M151300127EA0	.ARANDELA METRICA M3.0 DIN 127 GROWER	10
7	1	M01125010LPA0	.TORNILLO METRICA M2.5*10 DIN 7985 A2 C/A	6
8	1	M151250125AA0	.ARANDELA METRICA M2.5 DIN 125 PLANA ACER	14
9	1	M01125006LPA0	.TORNILLO METRICA M2.5*6 DIN 7985 A2 C/AL	14
10	1	M01125006LPA0	.TORNILLO METRICA M2.5*6 DIN 7985 A2 C/AL	12
11	1	0063430003100	.LCU BOARD	1
12	1	1219000492300	.CAJA PORTACONTACTOS 4P/H 2,5MM PLUG AER	1
13	1	1219000492300	.CAJA PORTACONTACTOS 4P/H 2,5MM PLUG AER	2
14	1	1509009012021	.TOR CIL RAN M2,5X12,3 AC NI-PLAT	2
15	1	1589990340000	.MANGUITO PROTECCION DINT=5,9MM L=3,3 GRI	2
16	1	M01130008LPA0	.TORNILLO METRICA M3*8 DIN 7985 A2 C/AL P	6
17	1	M01130008LPA0	.TORNILLO METRICA M3*8 DIN 7985 A2 C/AL P	10
18	1	M151300433AA0	.ARANDELA METRICA M3.0 DIN 433 A2 PLANA	6
19	1	1530211000001	.TUERCA EXAGONAL M3 DIN934 INOX A2	4
20	1	1207000440200	.CNC BOARD TO BOARD 4P 2MM 4WAY 2A 100V N	1
21	1	1310501670000	.KIT PANTALLA TFT 7" TOUCH-SCREEN A2 S/OF	1
22	1	1709902790000	.TIRADOR INFERIOR CIERRE PLASTICO IEL	2
23	1	1709981060000	.MICRO-SWITCH C/CBL P/TIRADOR 50MA	1
24	1	1231024320920	.TUBO TERMORRETRACTIL 1/8" FLEX BLANCO	.15
25	1	1231024480020	.TUBO TERMO 3/16" NEGRO POLIOLEFINA	.1
26	1	1709900640000	.ESCUADRA FIJADOR DE CARATULA A TARJETA	2
27	1	1219000291001	.CAJA PORTACONTACTOS 2P/H 2,5MM PLUG AER	1
28	1	1219090010102	.CONTACTO H CRIMPAR AWG28-22 0,08-0,33MM2	16
29	1	1219090010102	.CONTACTO H CRIMPAR AWG28-22 0,08-0,33MM2	20
30	1	1540409000002	.ARA PL P/M2,5 INOX DIN433	4
31	1	1540409000002	.ARA PL P/M2,5 INOX DIN433	2
32	1	0063480006800	. DME Module Label	1
33	1	0063480001310	.LCU Lexan	1
34	1	0063480002000	.LCU PCB Base	1
35	1	1219001091300	.CAJA PORTACONTACTOS 10H 2,5MM PLUG BLANC	1
36	1	G99FA06001263	.FARNELL 217-141 HILO DE MACEAR NYLON COL	.001
37	1	1060799010000	.ARRAY 10X LED SIL 3MM LL	.1
38	1	1587040010100	.ETIQUETA AUTOADHESIVA LOGOTIPO ESD 12X12	.001
39	1	0063480001900	.LCU Back Cover	1
40	1	0063480002100	.LCU Side Panel	1
41	1	0063480001800	.Display Clamp Right	1
42	1	0063480001800	.Display Clamp Right	2
43	1	0063480003600	.Display Clamp Left	1
44	1	M01125012LPA0	.TORNILLO METRICA M2.5*12 DIN 7985 A2 C/A	2
45	1	M01125008LPA0	.TORNILLO METRICA M2.5*8 DIN 7985 A2 C/A	4
46	1	1220100243000	.CBL FLEX 1XAWG24 ETFE 600V NE	.4
47	1	1220100243000	.CBL FLEX 1XAWG24 ETFE 600V NE	.4
48	1	1220100243200	.CBL FLEX 1XAWG24 ETFE 600V RO	.3
49	1	1220100243200	.CBL FLEX 1XAWG24 ETFE 600V RO	.3
50	1	G251511502010	.CINTA PERFIL ESPONJOSO AUTOADHESIVA NEGR	1

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
51	1	1500809008001	.TOR AV CRUC M2,5X8 INOX DIN965	2
52	1	0063480001300	.LCU Front	1
53	1	M151250127EA0	.ARANDELA METRICA M2.5 DIN 127 GROWER ACE	16
54	1	M151250127EA0	.ARANDELA METRICA M2.5 DIN 127 GROWER ACE	18

3.4 RELAY CONTROL UNIT (RCU)

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420003200**	**RELAY CONTROL UNIT**	**1**
1	1	M151300125AA0	.ARANDELA METRICA A3.2 DIN 125 PLANA INOX	5
2	1	1805690010200.VO	.BARNIZ ACRILICO AR HUMISEAL 1B31	10
3	1	M151300127EA0	.ARANDELA METRICA M3.0 DIN 127 GROWER	5
4	1	M151250125AA0	.ARANDELA METRICA M2.5 DIN 125 PLANA ACER	2
5	1	M01130006LPA0	.TORNILLO METRICA M3*6 DIN 7985 A2 C/AL P	2
6	1	1084924040300	.TERM COAX SMA (H) DC-4GHZ 50W 50OHM	1
7	1	M101300934EA0	.TUERCA METRICA M3.0 EXAGONAL DIN 934 A2	3
8	1	1709902790000	.TIRADOR INFERIOR CIERRE PLASTICO IEL	2
9	1	G01RAD00583AD	.TUBO TERMORRETRACTIL PARA MARCAJE 3.2-1.	15
10	1	1709981060000	.MICRO-SWITCH C/CBL P/TIRADOR 50MA	1
11	1	1231024320920	.TUBO TERMORRETRACTIL 1/8" FLEX BLANCO	.5
12	1	G250010907010	.CINTA ADHESIVA AUTOSOLDANTE NEGRA 3M SCO	.05
13	1	1709900640000	.ESCUADRA FIJADOR DE CARATULA A TARJETA	2
14	1	1232024489000	.TUBO TERMORRETRACTIL MARCAJE 4.8-1.6 BLA	12
15	1	1231024640040	.TUBO TERMO 1/4" M23053/5-106-0	.1
16	1	1133021490000	.RELE COAXIAL 2P 11-14VDC 5W DC-18GHZ SMA	1
17	1	1220100203930	.CBL FLEX 1XAWG20 600V M81044/12-20-9	2.5
18	1	1509009012021	.TOR CIL RAN M2,5X12,3 AC NI-PLAT	2
19	1	M101400934EA0	.TUERCA METRICA M4.0 EXAGONAL DIN 934 INO	1
20	1	1500811006001	.TOR AV CRUC M3X6 INOX DIN965	2
21	1	1500811008001	.TOR AV CRUC M3X8 INOX DIN965	3
22	1	1500809005001	.TOR AV CRUC M2,5X5 INOX DIN965	2
23	1	1500809006001	.TOR AV CRUC M2,5X6 INOX DIN965	4
24	1	1500809008001	.TOR AV CRUC M2,5X8 INOX DIN965	2
25	1	0063480001400	.RCU Frontal	1
26	1	0063480001410	.RCU Lexan	1
27	1	M151250127EA0	.ARANDELA METRICA M2.5 DIN 127 GROWER ACE	4
28	1	0063490003000	.RELAY CONTROL FW	1
29	1	1501209008001	.TOR ALOM CRUC M2,5X8 INOX DIN7985	4
30	1	1501209012001	.TOR ALOM CRUC M2,5X12 INOX DIN7985	2
31	1	M151400127EA0	.ARANDELA METRICA M4.0 DIN 127 GROWER	1
32	1	M151400127EA6	.ARANDELA METRICA M4.0 DIN 127 GROWER ACE	2
33	1	M151250433AA0	.ARANDELA METRICA M2.5 DIN 433 A2 PLANA A	2
34	1	1540113000001	.ARANDELA PL P/M4 INOX DIN125/ISO7089	1
35	1	1587040010100	.ETIQUETA AUTOADHESIVA LOGOTIPO ESD 12X12	.001
36	1	0063440000280	.CABLE EQUIPADO RCU W01	1
37	1	0063440000310	.CABLE EQUIPADO RCU W04	1
38	1	0063480002200	.RCU Connector Bracket	1
39	1	0063480002300	.RCU Side Panel	1
40	1	0063480002500	.RCU Hexagonal Spacer	2
41	1	0063440000290	.CABLE EQUIPADO RCU W02	1
42	1	0063440000300	.CABLE EQUIPADO RCU W03	1
43	1	0063480002400	.Male Positioner	2
44	1	1084924040200	.TERM COAX DC-4GHZ 50W SMA(H)	1

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
45	1	0063430003200	.CONJ. TARJ. RELAY CONTROL BOARD	1
46	1	G11UM01A60451	.ABRAZADERA CIRCULAR ALUMINIO CON CHLOROP	1
47	1	G99FA06001263	.FARNELL 217-141 HILO DE MACEAR NYLON COL	.5
48	1	1060799010000	.ARRAY 10X LED SIL 3MM LL	.3
49	1	1060799010000	.ARRAY 10X LED SIL 3MM LL	.3
50	1	1589990340000	.MANGUITO PROTECCION DINT=5,9MM L=3,3 GRI	2
51	1	0063480006800	. DME Module Label	1

3.5 CONTROL & MONITORING UNIT (CMU)

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420004100**	**CONTROL & MONITORING UNIT**	**1**
1	1	3210700600100	.DISIPADOR CPU 114X91X9MM	1
2	1	0063430004100	.CONTROL & MONITORING BOARD	1
3	1	1540309000003	.ARA OND M2.5 DIN 137A INOX	3
4	1	1540309000003	.ARA OND M2.5 DIN 137A INOX	7
5	1	1587040010100	.ETIQUETA AUTOADHESIVA LOGOTIPO ESD 12X12	.001
6	1	1501209006001	.TOR ALOM CRUC M2,5X6 INOX DIN7985	2
7	1	1501209010001	.TOR ALOM CRUC M2,5X10 INOX DIN7985	4
8	1	0063480000110	.CMU LEXAN	1
9	1	1589902980000	.CENTRADOR CARRIL COMPAC PCI	1
10	1	3050500290400	.TARJETA MEMORIA COMPACT FLASH 1GB 80X	2
11	1	0063490004100	.CONTROL & MONITORING FW	1
12	1	0063490004600	.CONTROL & MONITORING SW	1
13	1	M101250439EA0	.TUERCA METRICA M2.5 EXAGONAL DIN 439 A2	4
14	1	1501209018002	.TOR ALOM CRUC M2,5X18 INOX DIN7985	2
15	1	1709902790000	.TIRADOR INFERIOR CIERRE PLASTICO IEL	1
16	1	1709902790100	.TIRADOR SUPERIOR CIERRE PLASTICO	1
17	1	1709900640000	.ESCUADRA FIJADOR DE CARATULA A TARJETA	1
18	1	0063480000100	.CMU Front	1
19	1	3110301620000	.PLACA BASE C/ATOM N270 1.6GHZ 114X95MM	1
20	1	1580125030300	.SEP CIL S/ROSCA 3.2X5X3MM P/M3 ALUM	4
21	1	3050500370300	.MEMORIA SO-DIMM 1GB PC2-4200 DDR2-533 1,	1
22	1	M01125006CRA6	.TORNILLO METRICA M2.5*6 DIN 84 A4 C/C RA	3
23	1	1587080120000	.ETIQUETA 16,51X5,08MM POLIESTER BLANCO	.001
24	1	M151250125AA0	.ARANDELA METRICA M2.5 DIN 125 PLANA ACER	4
25	1	M01125006APA6	.TORNILLO METRICA M2.5*6 DIN 965 A4 C/AV	1
26	1	0063480006800	. DME Module Label	1

3.6 MONITOR TRANSPONDER UNIT (MTU)

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420004200**	**MONITOR TRANSPONDER UNIT**	**1**
1	1	M151400127EA6	.ARANDELA METRICA M4.0 DIN 127 GROWER ACE	1
2	1	M151250127EA6	.ARANDELA METRICA M2.5 DIN 127 GROWER ACE	2
3	1	M151250433AA0	.ARANDELA METRICA M2.5 DIN 433 A2 PLANA A	2
4	1	0063430004300	.MONITOR DIGITAL BOARD	1
5	1	1709902790000	.TIRADOR INFERIOR CIERRE PLASTICO IEL	1
6	1	1709902790100	.TIRADOR SUPERIOR CIERRE PLASTICO	1
7	1	1709981060000	.MICRO-SWITCH C/CBL P/TIRADOR 50MA	1
8	1	1709900640000	.ESCUADRA FIJADOR DE CARATULA A TARJETA	1
9	1	0024780000800	.Hexagonal Spacer L=10	2
10	1	1205094022000	.ACC P/CNC BNC ARAND RECEPT NIK/PL	2

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
11	1	0063430004200	.MONITOR TRANSPONDER BOARD	1
12	1	G06PE00LT0202	.LOCTITE SUPERRAPIDO 270	.01
13	1	1060799010000	.ARRAY 10X LED SIL 3MM LL	.6
14	1	0063480006800	. DME Module Label	1
15	1	1205094021000	.ACC P/CNC BNC TUER HEXA NIK/PL	2
16	1	0063480000220	.MTU LEXAN	1
17	1	0063440000230	.CABLE W02 B CHANNEL	1
18	1	0063480002400	.Male Positioner	1
19	1	1540109000050	.ARANDELA PLANA P/M2,5 NYLON 6.6 DIN125	2
20	1	1805690010200.VO	.BARNIZ ACRILICO AR HUMISEAL 1B31	10
21	1	1800101100000.VO	.ADHESIVO BLOQUEO 270 (VERDE)	10
22	1	M01125006APA6	.TORNILLO METRICA M2.5*6 DIN 965 A4 C/AV	1
23	1	M01125006LPA0	.TORNILLO METRICA M2.5*6 DIN 7985 A2 C/AL	4
24	1	M01125006CRA6	.TORNILLO METRICA M2.5*6 DIN 84 A4 C/C RA	11
25	1	1540309000003	.ARA OND M2.5 DIN 137A INOX	11
26	1	1540309000003	.ARA OND M2.5 DIN 137A INOX	9
27	1	1587040010100	.ETIQUETA AUTOADHESIVA LOGOTIPO ESD 12X12	.001
28	1	0063480000200	.MTU Front	1
29	1	0063480000210	.MTU Connector Bracket	1
30	1	0063440000220	.CABLE W01 A CHANNEL	1
31	1	0063440000240	.CABLE W03 ANTENNA CHANNEL	1

3.7 RECEIVER UNIT (RXU)

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420004300**	**RECEIVER UNIT**	**1**
1	1	0063430004400	.RECEIVER BOARD	1
2	1	0063430004500	.RECEIVER DIGITAL BOARD	1
3	1	1220100260200	.CBL FLEX 1XAWG26 600V D=0.86MM RJ	.2
4	1	1540309000003	.ARA OND M2.5 DIN 137A INOX	9
5	1	1587040010100	.ETIQUETA AUTOADHESIVA LOGOTIPO ESD 12X12	.001
6	1	M151250127EA0	.ARANDELA METRICA M2.5 DIN 127 GROWER ACE	2
7	1	M01125006APA0	.TORNILLO METRICA M2.5*6 DIN 965 C/AV PHI	1
8	1	M01125006CRA0	.TORNILLO METRICA M2.5*6 DIN 84 C/C RANUR	9
9	1	1805690010200.VO	.BARNIZ ACRILICO AR HUMISEAL 1B31	10
10	1	M01125006LPA0	.TORNILLO METRICA M2.5*6 DIN 7985 A2 C/AL	4
11	1	0063420005700	.PRESELECTOR TUNABLE FILTER	1
12	1	0024780000800	.Hexagonal Spacer L=10	2
13	1	0063480000300	.RXU Front	1
14	1	0063480000310	.RXU Connector Bracket	1
15	1	1205094022000	.ACC P/CNC BNC ARAND RECEPT NIK/PL	2
16	1	M151200125AA0	.ARANDELA METRICA M2.0 DIN 125 PLANA INOX	6
17	1	1060799010000	.ARRAY 10X LED SIL 3MM LL	.4
18	1	0063440000100	.CABLE W01 LOCAL OSCILLATOR SAMPLE	1
19	1	M151400127EA6	.ARANDELA METRICA M4.0 DIN 127 GROWER ACE	1
20	1	M151250433AA0	.ARANDELA METRICA M2.5 DIN 433 A2 PLANA A	2
21	1	M01120006CRA0	.TORNILLO METRICA M2*6 DIN 84 A2 C/C	6
22	1	1709902790000	.TIRADOR INFERIOR CIERRE PLASTICO IEL	1
23	1	1709902790100	.TIRADOR SUPERIOR CIERRE PLASTICO	1
24	1	1709981060000	.MICRO-SWITCH C/CBL P/TIRADOR 50MA	1
25	1	1709900640000	.ESCUADRA FIJADOR DE CARATULA A TARJETA	1
26	1	1231024240840	.TUBO TERMO 3/32" M235053/5-203-C	.2
27	1	1540306000001	.ARA OND M2 INOX DIN137A	6

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
28	1	0063480006800	. DME Module Label	1
29	1	0063440000110	.CABLE W02 FILTER OUTPUT	1
30	1	1205094021000	.ACC P/CNC BNC TUER HEXA NIK/PL	2
31	1	0063480000320	.RXU LEXAN	1
32	1	0063440000120	.CABLE W03 PILOT PULSE	1
33	1	0063440000130	.CABLE W04 COUPLER INPUT	1
34	1	0063480002400	.Male Positioner	1

3.8 TRANSMITTER UNIT (TXU)

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420004400**	**TRANSMITTER UNIT**	**1**
1	1	2909090002500	.SMP LAMINA DE BRONCE FOSFOROSO 4.8*0.15M	.001
2	1	0063430004600	.TRANSMITTER BOARD	1
3	1	0063430004700	.TRANSMITTER DIGITAL BOARD	1
4	1	0063480006800	. DME Module Label	1
5	1	0063440000250	.CABLE W01 LO INPUT	1
6	1	0063440000260	.CABLE W02 OUTPUT INCIDENT POWER	1
7	1	0063480003300	.TXU PARTITION WALL 4	1
8	1	0063480003510	.TXU COVER	1
9	1	0063480002400	.Male Positioner	1
10	1	0063480003100	.TXU PARTITION WALL 2	1
11	1	0063480003500	.TXU MECHANIZED HEATSINK	1
12	1	0063480001700	.TXU Front	1
13	1	0063480002900	.TXU Connector Bracket	1
14	1	1084926090000	.TERM RESISTIVA DC-6GHZ 20W 5% 150PPM ROH	1
15	1	1081121290000	.CIRCULADOR 960-1200MHZ 50OHM 0.50DB	1
16	1	M01125014LPA6	.TORNILLO METRICA M2.5*14 DIN 7985 C/AL P	2
17	1	1094102610000	.DISIPADOR CALOR 100X16MM	.25
18	1	1205085420000	.CNC COAX BMA PLUG(M) PANEL RECEPT DC-18G	2
19	1	1509009012021	.TOR CIL RAN M2,5X12,3 AC NI-PLAT	2
20	1	M01120012LPA6	.TORNILLO METRICA M2*12 DIN 7985 C/AL PHI	4
21	1	1060799010000	.ARRAY 10X LED SIL 3MM LL	.6
22	1	1589990340000	.MANGUITO PROTECCION DINT=5,9MM L=3,3 GRI	2
23	1	1050322505500	.TRT RF CANAL N MOSFET MRF6V12250H ROHS	1
24	1	1580130220100	.SEPARADOR HEXAGONAL M2,5 H/H L=10MM	2
25	1	1587040010100	.ETIQUETA AUTOADHESIVA LOGOTIPO ESD 12X12	.001
26	1	0063480003000	.TXU PARTITION WALL 1	1
27	1	0063480003200	.TXU PARTITION WALL 3	1
28	1	0063440000270	.CABLE W03 OUTPUT REFLECTED POWER	1
29	1	M151200125AA6	.ARA PLANA P/M2 INOX ISO7089	4
30	1	1100524489430	.C INTEGRADO CONVERTIDO DC/DC VS=48V VE=2	1
31	1	0063480003400	.TXU Frontal Bracket	1
32	1	1220100223930	.CBL FLEX 1XAWG22 600V M81044/12-22-9	.5
33	1	M151400127EA6	.ARANDELA METRICA M4.0 DIN 127 GROWER ACE	1
34	1	M151250127EA6	.ARANDELA METRICA M2.5 DIN 127 GROWER ACE	92
35	1	M151250433AA0	.ARANDELA METRICA M2.5 DIN 433 A2 PLANA A	2
36	1	M01125012LPA6	.TORNILLO METRICA M2.5*12 DIN 7985 C/AL P	3
37	1	M01125010LPA6	.TORNILLO METRICA M2.5*10 DIN 7985 C/AL P	6
38	1	M01125008LPA6	.TORNILLO METRICA M2.5*8 DIN 7985 A4 C/AL	29
39	1	M151250125AA6	.ARANDELA METRICA M2.5 DIN 125 PLANA ACER	80
40	1	1805690010200.VO	.BARNIZ ACRILICO AR HUMISEAL 1B31	10
41	1	M151200127EA6	.ARANDELA METRICA M2.0 DIN 127 GROWER ACE	4

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
42	1	M01125005APA6	.TORNILLO METRICA M2.5*5 DIN 965 A4 C/AV	36
43	1	M01125006LPA6	.TORNILLO METRICA M2.5*6 DIN 7985 A4 C/AL	46
44	1	M101250985SA6	.TUERCA METRICA M2.5 DIN 985 A4 AUTOSEGUR	4
45	1	1709902790000	.TIRADOR INFERIOR CIERRE PLASTICO IEL	1
46	1	1709902790100	.TIRADOR SUPERIOR CIERRE PLASTICO	1
47	1	1709981060000	.MICRO-SWITCH C/CBL P/TIRADOR 50MA	1
48	1	1709900640000	.ESCUADRA FIJADOR DE CARATULA A TARJETA	1
49	1	G02TR03183640	.TERMINAL DE MASA PLANO DINT=2.6MM L=10MM	4
50	1	0024780000800	.Hexagonal Spacer L=10	2
51	1	0063480001710	.TXU Lexan	1

3.9 HIGH POWER AMPLIFIER (HPA)

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420004500**	**HIGH POWER AMPLIFIER**	**1**
1	1	M01125005LPA0	.TORNILLO METRICA M2.5*5 DIN 7985 A2 C/AL	4
2	1	M01125006ACA0	.TORNILLO METRICA M2.5*6 DIN 912 C/C ALLE	2
3	1	M01125008APA0	.TORNILLO METRICA M2.5*8 DIN 965 C/AV PHI	4
4	1	M01125008LPA0	.TORNILLO METRICA M2.5*8 DIN 7985 A2 C/A	5
5	1	0063430005000	.HPA FRONT BOARD	1
6	1	0063430005100	.HPA POWER SUPPLY BOARD	1
7	1	1098170010000	.SILICONA EN PASTA SEMICOND (BOTE 200GR)	.01
8	1	M101300934EA0	.TUERCA METRICA M3.0 EXAGONAL DIN 934 A2	4
9	1	1709902790000	.TIRADOR INFERIOR CIERRE PLASTICO IEL	1
10	1	1709902790100	.TIRADOR SUPERIOR CIERRE PLASTICO	1
11	1	1231024120940	.TUBO TERMO 3/64" M23053/5-101-9	.2
12	1	1709981060000	.MICRO-SWITCH C/CBL P/TIRADOR 50MA	1
13	1	1708000530100	.ASA 120X43MM ROSCA M-5 ACERO NEGRO	1
14	1	1709900640000	.ESCUADRA FIJADOR DE CARATULA A TARJETA	3
15	1	1233525220900	.BRIDA 2,5X101MM P/CBL D=22MM NYLON NAT	1
16	1	1234024300000	.CUNA FIJACION ADH 19X19MM P/3MM NYLON	1
17	1	1234024300000	.CUNA FIJACION ADH 19X19MM P/3MM NYLON	1
18	1	1702001770800	.CAJA BLINDAJE 50X25X10MM SA-4SFL	1
19	1	1229591920700	.CBL EQUIPADO PLANO 34C (1,27MM) C/CNC H/	.001
20	1	M09XSA21125RE	.TORNILLO COLLAR M2.5*11MM	4
21	1	1050325005500	.TRT RF CANAL N MOSFET MRF6V12500HR3 ROHS	4
22	1	1589990340000	.MANGUITO PROTECCION DINT=5,9MM L=3,3 GRI	4
23	1	1587040010100	.ETIQUETA AUTOADHESIVA LOGOTIPO ESD 12X12	.001
24	1	0024780000800	.Hexagonal Spacer L=10	2
25	1	0063480001610	.HPA Mechanized Heatsink	1
26	1	1080524001100	.ATENUADOR 4GHZ 5DB 20W TERM	1
27	1	1081121290000	.CIRCULADOR 960-1200MHZ 50OHM 0.50DB	1
28	1	G04200P5038K0	.ATENUADOR 20DB DC-4GHZ 20W 50 OHM 1%	1
29	1	M151300125LA0	.ARANDELA METRICA M3 DIN 125A A2 PLANA	38
30	1	M151300433AA0	.ARANDELA METRICA M3.0 DIN 433 A2 PLANA	4
31	1	M151400127EA0	.ARANDELA METRICA M4.0 DIN 127 GROWER	3
32	1	M01130005APA0	.TORNILLO METRICA M3*5 DIN 965 C/AV PHILI	14
33	1	M01130005APA0	.TORNILLO METRICA M3*5 DIN 965 C/AV PHILI	36
34	1	M151250433AA0	.ARANDELA METRICA M2.5 DIN 433 A2 PLANA A	6
35	1	M01130010LPA0	.TORNILLO METRICA M3*10 DIN 7985 A2 C/AL	16
36	1	M01130012LPA0	.TORNILLO METRICA M3*12 DIN 7985 A2 C/AL	24
37	1	1060799010000	.ARRAY 10X LED SIL 3MM LL	.4
38	1	1049083344200	.DIODO SWITCH MA8334-001	1

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
39	1	1084924090200	.TERMINACION DC-4GHZ 10W SERIE PPT	5
40	1	1500813008011	.TOR AV CRUC M4X8 INOX OX NEGRO DIN965	4
41	1	0063480001600	.HPA Front	1
42	1	M151250127EA0	.ARANDELA METRICA M2.5 DIN 127 GROWER ACE	151
43	1	1080922000000	.TERMINACION 2GHZ 20W 5% SERIE PPT	5
44	1	1098170010000.PE	.SILICONA EN PASTA SEMICOND (BOTE 200GR)	10
45	1	M151400125AA6	.ARANDELA METRICA M4.0 DIN 125 PLANA ACER	1
46	1	1229991039513	.CABLE DISC 1 COND.AWG=26 ROJO ALPHA 185	.05
47	1	1229991039513	.CABLE DISC 1 COND.AWG=26 ROJO ALPHA 185	.05
48	1	1805690010200.VO	.BARNIZ ACRILICO AR HUMISEAL 1B31	.1
49	1	0063480007100	.HPA NYLON GUIDE RAIL	2
50	1	1800101000000.VO	.ADHESIVO BLOQUEO 242	10
51	1	M151300127EA0	.ARANDELA METRICA M3.0 DIN 127 GROWER	50
52	1	1229991039512	.CABLE DISC 1 COND.AWG=26 NEGRO ALPHA 18	.05
53	1	M151250125AA0	.ARANDELA METRICA M2.5 DIN 125 PLANA ACER	127
54	1	M01125006LPA0	.TORNILLO METRICA M2.5*6 DIN 7985 A2 C/AL	128
55	1	M01130006LPA0	.TORNILLO METRICA M3*6 DIN 7985 A2 C/AL P	4
56	1	M01125004APA0	.TORNILLO METRICA M2.5*4 DIN 965 C/AV PHI	30
57	1	M01125005ACA0	.TORNILLO METRICA M2.5*5 DIN 912 C/C ALLE	12
58	1	M01120014LPA0	.TORNILLO METRICA M2*14 DIN 7985 C/AL PHI	4
59	1	M01150008APA0	.TORNILLO METRICA M5*8 DIN 965 A2 C/AV PH	2
60	1	M01140008LPA0	.TORNILLO METRICA M4*8 DIN 7985 A2 C/AL P	1
61	1	0063440000140	.CABLE W01 VIDEO RF IN	1
62	1	M151200125AA0	.ARANDELA METRICA M2.0 DIN 125 PLANA INOX	4
63	1	M151200127EA0	.ARANDELA METRICA M2 DIN 127 GROWER ACER	4
64	1	M01130005ACA0	.TORNILLO METRICA M3*5 DIN 912 A2 C/C ALL	8
65	1	0063430004800	.HPA RADIOFRECUENCY BOARD	1
66	1	0063430004900	.HPA DIGITAL BOARD	1
67	1	1094100530200	.DISIPADOR CALOR 240MM S/ANODIZADO	1
68	1	1205085420000	.CNC COAX BMA PLUG(M) PANEL RECEPT DC-18G	2
69	1	0063480006400	.HPA MALE CENTERING	2
70	1	0063480006800	. DME Module Label	1
71	1	0063440000150	.CABLE W02 VIDEO RF FWD	1
72	1	0063440000170	.CABLE W04 RF IN	1
73	1	0063440000200	.CABLE W07 SW_BIAS_1	1
74	1	0063440000210	.CABLE W08 SW_BIAS_2	1
75	1	0063480001613	.Angle Bracket 6	1
76	1	0063480001616	.Angle Bracket 3	1
77	1	0063480001619	.Angle Bracket 2	1
78	1	0063480001621	.Mezzanine Cover	1
79	1	0063480001622	.Hexagonal Spacer	4
80	1	0063480001617	.Angle Bracket 1	1
81	1	0063480001620	.HPA Cover	1
82	1	0063480001611	.HPA Lexan	1
83	1	0063480001614	.Angle Bracket 5	1
84	1	0063480001615	.Angle Bracket 4	1
85	1	0063480001618	.Front Bracket	1
86	1	0063440000160	.CABLE W03 VIDEO RF REV	1
87	1	0063440000180	.CABLE W05 +48V	1
88	1	0063440000190	.CABLE W06 DISCRETE CABLE	1
89	1	0063480002400	.Male Positioner	2

3.10 NMP/EIU MODULE

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420006100**	**NETWORK MANAGEMENT PROCESSOR EXT. INTER.**	**1**
1	1	1501211006002	.TOR ALOM CRUC M3X6 INOX DIN7985	4
2	1	1501211008001	.TOR ALOM CRUC M3X8 INOX DIN7985	29
3	1	1501211010001	.TOR ALOM CRUC M3X10 INOX DIN7985	12
4	1	1501213006002	.TOR ALOM CRUC M4X6 INOX DIN7985	1
5	1	1221100182200	.CBL APANT 1XAWG18 PVDF 600V RO	3
6	1	1221100182200	.CBL APANT 1XAWG18 PVDF 600V RO	2.1
7	1	M151306798JA0	.ARANDELA METRICA M3.0 DIN 6798A DENTADA	18
8	1	M151250433AA6	.ARANDELA METRICA M2.5 DIN 433 A4 PLANA	1
9	1	M151257980BA0	.ARANDELA METRICA M2.5 DIN 7980 GROWER	1
10	1	1539011000090	.TUERCA M3 NYLON 6,6	10
11	1	1205045041600	.CNC COAX SMB PLUG (M) ACOD SOLD/CRIMP CB	1
12	1	1202094130100	.ACC FIJACION CNC SUB-D TOR 4-40X7,15MM C	9
13	1	N40H29A242130	.CONECTOR COAX BASE JACK RECT (BNC)	1
14	1	1540111000090	.ARA PLANA P/M3 NYLON 6.6	10
15	1	M151300125LA6	.ARA PLANA P/M3 INOX ISO7089	60
16	1	M101300934EA6	.TUERCA EX M3 INOX ISO4032	33
17	1	M101500985SA6	.TUERCA METRICA M5.0 DIN 985 A4 AUTOSEGUR	2
18	1	M101500985SA6	.TUERCA METRICA M5.0 DIN 985 A4 AUTOSEGUR	4
19	1	H0001180000HK	.CABLE DISC 1 COND AWG=18 NEGRO SUHNER 8	3
20	1	H0001180000HK	.CABLE DISC 1 COND AWG=18 NEGRO SUHNER 8	2.1
21	1	1223033166300	.CBL COAX RG-316U PTFE/FEP DC-1GHZ	.6
22	1	M101250439EA0	.TUERCA METRICA M2.5 EXAGONAL DIN 439 A2	1
23	1	G352018B9E021	.TERMINAL PUNTERA S=0.5-1.5MM2 D=1.9MM L=	8
24	1	G352018B9E021	.TERMINAL PUNTERA S=0.5-1.5MM2 D=1.9MM L=	4
25	1	G01RAD00583AD	.TUBO TERMORRETRACTIL PARA MARCAJE 3.2-1.	8
26	1	G01RAD00583AD	.TUBO TERMORRETRACTIL PARA MARCAJE 3.2-1.	4
27	1	G01RAD00586AD	.TUBO TERMORRETRACTIL PARA MARCAJE 9.5-3.	2
28	1	G01RAD00587AD	.TUBO TERMORRETRACTIL PARA MARCAJE 12.7-4	8
29	1	1233525320100	.BRIDA 3,6X142MM DMAX=32MM NYLON NATURAL	50
30	1	1232024489000	.TUBO TERMORRETRACTIL MARCAJE 4.8-1.6 BLA	12
31	1	1238514262600	.TERMINAL AISLADO PUNTERA CABLE 1.04-2.63	4
32	1	1500811006001	.TOR AV CRUC M3X6 INOX DIN965	34
33	1	1202094160104	.ACC KIT TORRETA 4-40UNC/H L=12,7MM K130	9
34	1	1207000831100	.CNC RJ-45 8P PLUG APANT RECT	2
35	1	1509011006190	.TOR AVELL M3X6MM NYLON 6.6	10
36	1	0063480003930	.PCB EIU Frame	1
37	1	0063480003950	.NMP/EIU Angle Bracket B	1
38	1	0063480005200	.15 Pin SUB-D Cover	1
39	1	0063480005400	.37 Pin SUB-D Cover	1
40	1	N3306AR041420	.CAPUCHON PARA RJ-45 GRIS	2
41	1	M151406798JA0	.ARANDELA METRICA M4.0 DIN 6798A DENTADA	2
42	1	M151506798JA0	.ARANDELA METRICA M5.0 DIN 6798A PRESION	7
43	1	0063440000370	.CABLE ASSEMBLY NMP-SK2	1
44	1	0063440000400	.CABLE ASSEMBLY NMP-SK5	1
45	1	0063440000420	.CABLE ASSEMBLY NMP-COM A	1
46	1	0063440000440	.CABLE ASSEMBLY NMP-COM 2	1
47	1	0063440000460	.CABLE ASSEMBLY NMP-COM 4	1
48	1	0063440000480	.CABLE ASSEMBLY NMP-ILS INTERLOCK	1
49	1	0063440000500	.CABLE ASSEMBLY NMP-SITE IN/OUT	1
50	1	0063440000520	.CABLE ASSEMBLYNMP-GROUND EIU2/NMP 1	1

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
51	1	0063440000540	.CABLE ASSEMBLYNMP-GROUND SWITCH/NMP	1
52	1	0063440000560	.CABLE ASSEMBLY GROUND EIU/NMP	1
53	1	0063440000570	.CABLE ASSEMBLY GROUND EIU/EIU CHASSIS	1
54	1	0063440000360	.CABLE ASSEMBLY NMP-SK1	1
55	1	0063440000380	.CABLE ASSEMBLY NMP-SK3	1
56	1	0063440000390	.CABLE ASSEMBLY NMP-SK4	1
57	1	0063440000410	.CABLE ASSEMBLY NMP-SK6	1
58	1	0063440000430	.CABLE ASSEMBLY NMP-COM 1	1
59	1	0063440000450	.CABLE ASSEMBLY NMP-COM 3	1
60	1	0063440000470	.CABLE ASSEMBLY NMP-AUDIO IN/OUT	1
61	1	0063440000490	.CABLE ASSEMBLY NMP-IDENT IN/OUT	1
62	1	0063440000510	.CABLE ASSEMBLY NMP-RESET	1
63	1	0063440000530	.CABLE ASSEMBLYNMP-GROUND EIU2/NMP 2	1
64	1	0063440000550	.CABLE ASSEMBLYNMP-GROUND FRONTAL/NMP	1
65	1	0063440000580	.CABLE ASSEMBLY GROUND EIU/GND EQ	1
66	1	1219500401000	.CNC HEADER 4H RECT 5,08MM BLZ BRIDA-TORN	2
67	1	3210100842904	.CBL EQUIP CONEX RJ11 4 HILOS L=0.5M NG	1
68	1	0063480006800	. DME Module Label	1
69	1	3210100842800	.CBL EQ UTP CAT5E PVC ROJO L=0,5M	4
70	1	0063480005300	.25 Pin SUB-D Cover	2
71	1	1208090070000	.ACC PIN M AWG10-12 P/CNC MATE-N-LOCK 600	4
72	1	1210300360000	.CNC RECTANGULAR 3PH PBC 5,08MM	2
73	1	1219000290900	.CAJA PORTACONTACTOS 2P/H 6,35MM RECEPT	2
74	1	G36Q413G300D0	.TERMINAL FASTON M S/AISLAR M5*45º ANCHO=	1
75	1	H0208241009B0	.CABLE 4 PAR APANT AWG=24 RIGIDO FUNDA B	.15
76	1	1229991069511	.CABLE 1 COND AWG=12 NEGRO RAYCHEM 44A01	.56
77	1	1229991069512	.CABLE 1 COND AWG=12 ROJO RAYCHEM 44A011	.56
78	1	1805690010200.VO	.BARNIZ ACRILICO AR HUMISEAL 1B31	.1
79	1	M151300127EA0	.ARANDELA METRICA M3.0 DIN 127 GROWER	33
80	1	0063480003910	.Case NMP/EIU Bottom	1
81	1	0063480003920	.Case NMP/EIU Top	1
82	1	0063420005600	.ETHERNET SWITCH	1
83	1	1501215020001	.TOR ALOM CRUC M5X20 INOX DIN7985	1
84	1	1587040010100	.ETIQUETA AUTOADHESIVA LOGOTIPO ESD 12X12	.001
85	1	1587040010100	.ETIQUETA AUTOADHESIVA LOGOTIPO ESD 12X12	.001
86	1	0063430005300	.NMP BOARD	1
87	1	0063430005400	.EIU BOARD	1
88	1	0063430005500	.FRONTAL BOARD	1
89	1	0063430005600	.EIU2 BOARD	1
90	1	0063480003970	. NMP/EIU LEXAN	1
91	1	0063480003960	.NMP/EIU Angle Bracket A	1
92	1	0063480005100	.9 Pin SUB-D Cover	4
93	1	0063480003940	.ETH Switch Shelf	1

3.11 NMP/EIU MODULE FULL WIRED

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420007000**	**NMP/EIU FULL WIRED**	**1**
1	1	1501211006002	.TOR ALOM CRUC M3X6 INOX DIN7985	4
2	1	1501211008001	.TOR ALOM CRUC M3X8 INOX DIN7985	17
3	1	1501211010001	.TOR ALOM CRUC M3X10 INOX DIN7985	12
4	1	1501213006002	.TOR ALOM CRUC M4X6 INOX DIN7985	1
5	1	1221100182200	.CBL APANT 1XAWG18 PVDF 600V RO	3
6	1	M151306798JA0	.ARANDELA METRICA M3.0 DIN 6798A DENTADA	18
7	1	M151250433AA6	.ARANDELA METRICA M2.5 DIN 433 A4 PLANA	1
8	1	M151257980BA0	.ARANDELA METRICA M2.5 DIN 7980 GROWER	1
9	1	1539011000090	.TUERCA M3 NYLON 6,6	10
10	1	M151406798JA0	.ARANDELA METRICA M4.0 DIN 6798A DENTADA	2
11	1	M151506798JA0	.ARANDELA METRICA M5.0 DIN 6798A PRESION	7
12	1	0063440000370	.CABLE ASSEMBLY NMP-SK2	1
13	1	0063440000400	.CABLE ASSEMBLY NMP-SK5	1
14	1	0063440000420	.CABLE ASSEMBLY NMP-COM A	1
15	1	0063440000440	.CABLE ASSEMBLY NMP-COM 2	1
16	1	0063440000460	.CABLE ASSEMBLY NMP-COM 4	1
17	1	0063440000480	.CABLE ASSEMBLY NMP-ILS INTERLOCK	1
18	1	0063440000500	.CABLE ASSEMBLY NMP-SITE IN/OUT	1
19	1	0063440000520	.CABLE ASSEMBLYNMP-GROUND EIU2/NMP 1	1
20	1	0063440000540	.CABLE ASSEMBLYNMP-GROUND SWITCH/NMP	1
21	1	0063440000560	.CABLE ASSEMBLY GROUND EIU/NMP	1
22	1	0063440000570	.CABLE ASSEMBLY GROUND EIU/EIU CHASSIS	1
23	1	0063440000360	.CABLE ASSEMBLY NMP-SK1	1
24	1	0063440000380	.CABLE ASSEMBLY NMP-SK3	1
25	1	0063440000390	.CABLE ASSEMBLY NMP-SK4	1
26	1	0063440000410	.CABLE ASSEMBLY NMP-SK6	1
27	1	0063440000430	.CABLE ASSEMBLY NMP-COM 1	1
28	1	0063440000450	.CABLE ASSEMBLY NMP-COM 3	1
29	1	0063440000470	.CABLE ASSEMBLY NMP-AUDIO IN/OUT	1
30	1	0063440000490	.CABLE ASSEMBLY NMP-IDENT IN/OUT	1
31	1	0063440000510	.CABLE ASSEMBLY NMP-RESET	1
32	1	0063440000530	.CABLE ASSEMBLYNMP-GROUND EIU2/NMP 2	1
33	1	0063440000550	.CABLE ASSEMBLYNMP-GROUND FRONTAL/NMP	1
34	1	0063440000580	.CABLE ASSEMBLY GROUND EIU/GND EQ	1
35	1	1202094160104	.ACC KIT TORRETA 4-40UNC/H L=12,7MM K130	15
36	1	1207000831100	.CNC RJ-45 8P PLUG APANT RECT	2
37	1	1587040010100	.ETIQUETA AUTOADHESIVA LOGOTIPO ESD 12X12	.001
38	1	3210100842800	.CBL EQ UTP CAT5E PVC ROJO L=0,5M	4
39	1	1208090070000	.ACC PIN M AWG10-12 P/CNC MATE-N-LOCK 600	4
40	1	1210300360000	.CNC RECTANGULAR 3PH PBC 5,08MM	2
41	1	0063430005300	.NMP BOARD	1
42	1	0063430005400	.EIU BOARD	1
43	1	0063430005500	.FRONTAL BOARD	1
44	1	0063430005600	.EIU2 BOARD	1
45	1	0063480003970	. NMP/EIU LEXAN	1
46	1	0063480003960	.NMP/EIU Angle Bracket A	1
47	1	0063480005100	.9 Pin SUB-D Cover	2
48	1	0063480003940	.ETH Switch Shelf	1
49	1	M151300125LA6	.ARA PLANA P/M3 INOX ISO7089	48
50	1	M101300934EA6	.TUERCA EX M3 INOX ISO4032	21

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
51	1	N3306AR041420	.CAPUCHON PARA RJ-45 GRIS	2
52	1	1205045041600	.CNC COAX SMB PLUG (M) ACOD SOLD/CRIMP CB	1
53	1	1202094130100	.ACC FIJACION CNC SUB-D TOR 4-40X7,15MM C	15
54	1	M101250439EA0	.TUERCA METRICA M2.5 EXAGONAL DIN 439 A2	1
55	1	G352018B9E021	.TERMINAL PUNTERA S=0.5-1.5MM2 D=1.9MM L=	8
56	1	G01RAD00583AD	.TUBO TERMORRETRACTIL PARA MARCAJE 3.2-1.	8
57	1	G01RAD00586AD	.TUBO TERMORRETRACTIL PARA MARCAJE 9.5-3.	2
58	1	G01RAD00587AD	.TUBO TERMORRETRACTIL PARA MARCAJE 12.7-4	8
59	1	1233525320100	.BRIDA 3,6X142MM DMAX=32MM NYLON NATURAL	50
60	1	1232024489000	.TUBO TERMORRETRACTIL MARCAJE 4.8-1.6 BLA	12
61	1	1238514262600	.TERMINAL AISLADO PUNTERA CABLE 1.04-2.63	4
62	1	0063420005600	.ETHERNET SWITCH	1
63	1	1501215020001	.TOR ALOM CRUC M5X20 INOX DIN7985	1
64	1	1509011006190	.TOR AVELL M3X6MM NYLON 6.6	10
65	1	0063480003930	.PCB EIU Frame	1
66	1	0063480003950	.NMP/EIU Angle Bracket B	1
67	1	1219000290900	.CAJA PORTACONTACTOS 2P/H 6,35MM RECEPT	2
68	1	G36Q413G300D0	.TERMINAL FASTON M S/AISLAR M5*45º ANCHO=	1
69	1	H0208241009B0	.CABLE 4 PAR APANT AWG=24 RIGIDO FUNDA B	.15
70	1	M101500985SA6	.TUERCA METRICA M5.0 DIN 985 A4 AUTOSEGUR	4
71	1	M101500985SA6	.TUERCA METRICA M5.0 DIN 985 A4 AUTOSEGUR	2
72	1	H0001180000HK	.CABLE DISC 1 COND AWG=18 NEGRO SUHNER 8	3
73	1	1223033166300	.CBL COAX RG-316U PTFE/FEP DC-1GHZ	.6
74	1	N40H29A242130	.CONECTOR COAX BASE JACK RECT (BNC)	1
75	1	1219500401000	.CNC HEADER 4H RECT 5,08MM BLZ BRIDA-TORN	2
76	1	3210100842904	.CBL EQUIP CONEX RJ11 4 HILOS L=0.5M NG	1
77	1	0063480006800	. DME Module Label	1
78	1	0063440000660	.CABLE ASSEMBLEY NMP AUXILIARY	1
79	1	1229991069511	.CABLE 1 COND AWG=12 NEGRO RAYCHEM 44A01	.56
80	1	1229991069512	.CABLE 1 COND AWG=12 ROJO RAYCHEM 44A011	.56
81	1	0063440000620	.CABLE ASSEMBLY NMP MON DIG. IN	1
82	1	1805690010200.VO	.BARNIZ ACRILICO AR HUMISEAL 1B31	.1
83	1	M151300127EA0	.ARANDELA METRICA M3.0 DIN 127 GROWER	21
84	1	0063440000610	.CABLE ASSEMBLY NMP/PS	1
85	1	0063440000630	.CABLE ASSEMBLY NMP MON DIG.OUT	1
86	1	0063440000640	.CABLE ASSEMBLY NMP CMU DIG.IN	1
87	1	0063440000650	.CABLE ASSEMBLY NMP CMU DIG. OUT	1
88	1	0063480003910	.Case NMP/EIU Bottom	1
89	1	0063480003920	.Case NMP/EIU Top	1
90	1	1500811006001	.TOR AV CRUC M3X6 INOX DIN965	34
91	1	1540111000090	.ARA PLANA P/M3 NYLON 6.6	10

3.12 OUTPUT SAMPLE PANELS

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420008000**	OUTPUT SAMPLES FRONT PANEL	1
1	1	0063480007800	.OUTPUT SAMPLE COUPLER BRACKET	1
2	1	0063440001870	.CABLE TEST PROBE 1 SAMPLE	1
3	1	0063440001900	.CABLE OUT	1
4	1	0063480007700	.1U 19" Output Samples Front Panel	1
5	1	0063440001880	.CABLE TEST ANTENNA SAMPLE	1
6	1	0063440001890	.CABLE TEST PROBE 2 SAMPLE	1
7	1	1540109000001	.ARANDELA PLANA INOX M2.5 DIN 125	12
8	1	1540206000005	.ARA GROWER P/M2 INOX DIN127B	3
9	1	1080721120000	.ACOPLADOR DIRECCIONAL 1-1.1GHZ 30DB CNC	1
10	1	1080526020900	.ATENUADOR 10DB DC-6000MHZ N(M)-N(F) 0.5	1
11	1	1530106000002	.TUERCA EX M2 INOX A4 DIN934	3
12	1	1500806025001	.TOR AV CRUC M2X25 INOX DIN965	3
13	1	1205028090000	.ADAPTADOR COAX N-PLUG(M)/N-JACK(H) DC-18	1
14	1	2141290400	.TORNILLO M2.5X8 DIN 7985 IN *	12
15	1	1540209000102	.ARANDELA GROWER M2.5 DIN 127 INOX A4	12
16	1	1540106000001	.ARA PLANA P/M2 INOX DIN125A	3
17	1	1549009000090	.TUERCA M2.5 INOX 18/8 A2	12

3.13 LP TO HP KIT

ITEM	LEVEL	INDRA CODE	DENOMINATION	AMOUNT
1	**0**	**0063420006900**	**LP TO HP KIT**	**1**
1	1	M151200125AA0	.ARANDELA METRICA M2.0 DIN 125 PLANA INOX	28
2	1	M151200127EA0	.ARANDELA METRICA M2 DIN 127 GROWER ACER	20
3	1	M101200934EA0	.TUERCA METRICA M2.0 EXAGONAL DIN 934 INO	8
4	1	M01120010LPA0	.TORNILLO METRICA M2*10 DIN 7985 C/AL PHI	20
5	1	0063440001600	.CABLE ASSEMBLEY W50	1
6	1	0063440001610	.CABLE ASSEMBLEY W51	1
7	1	0063440001730	.CABLE ASSEMBLEY W63	1
8	1	0063440001620	.CABLE ASSEMBLEY W52	1
9	1	0063440001740	.CABLE ASSEMBLEY W64	1
10	1	0063440001750	.CABLE ASSEMBLEY W65	1

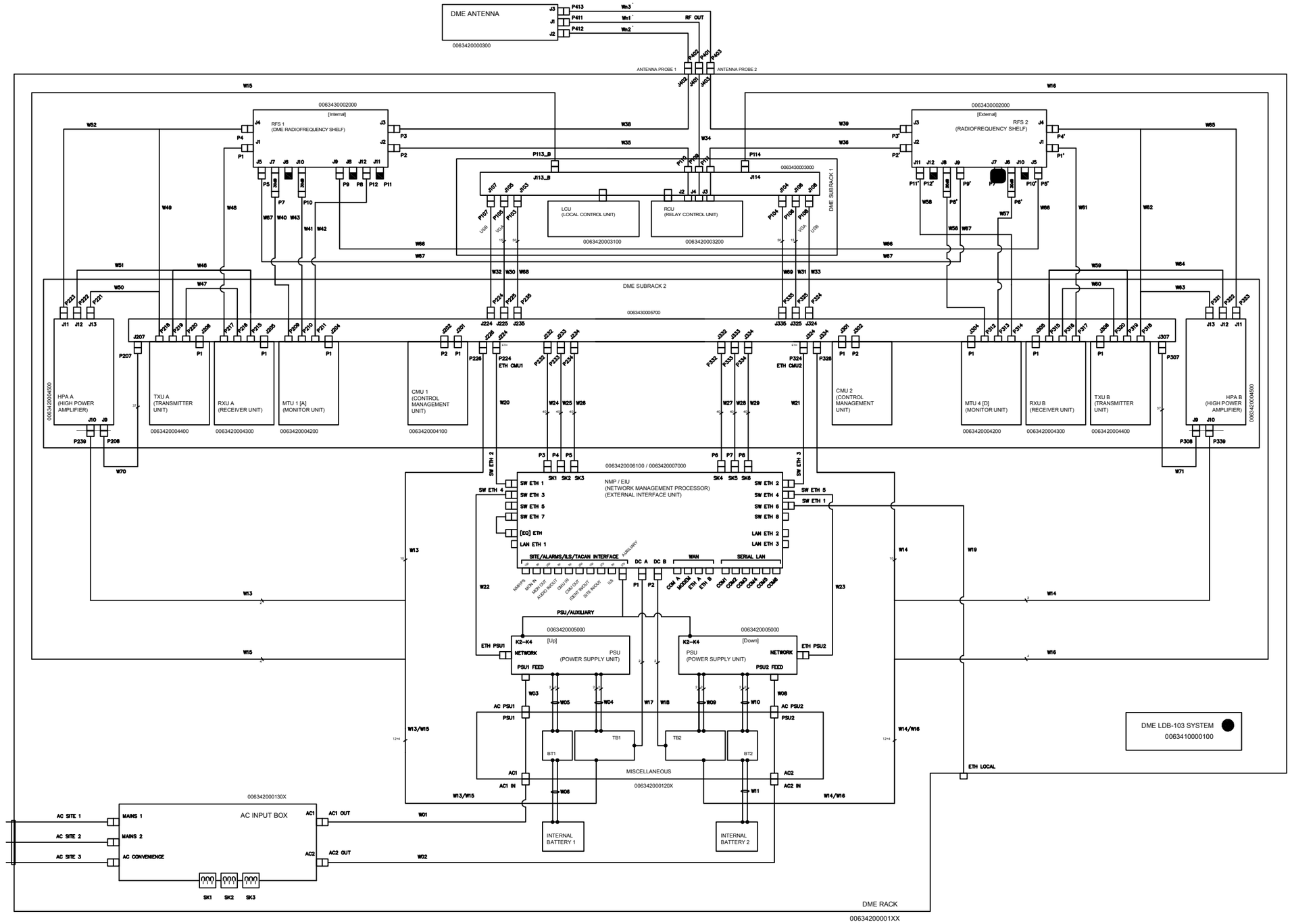
4. SECTION 4 - DRAWING LIST

4.1 INTERCONECTION DIAGRAMS

LDB-103 DME System Interconnection Diagram [0063410000100DI00]

(4 pages attached).

ED/RV	MODIFICACIÓN / *MODIFICATION*	DIBUJA / *DRAWN*	FECHA / *DATE*	ZONA / *ZONE*
A0	PRIMERA EDICIÓN / FIRST EDITION	jlsbuendia	09-10-11	
A1	REVISIÓN / REVIEW	jlsbuendia	14-12-11	
A2	REVISIÓN / REVIEW - PCI Nº. 0063420000105PC01	jlsbuendia	30-08-12	
A3	REVISIÓN / REVIEW - PCI Nº. 0063420000105PC0 2	mgreguera	29-11-13	



ED/RV DE HOJAS / *ED/RV OF SHEETS*					
18		12		6	
17		11		5	
16		10		4	A3
15		9		3	A3
14		8		2	A3
13		7		1	A3

TOLERANCIAS GENERALES S/NORMA / *GENERAL TOLERANCES P/NORME*: ISO 2768-mK

ARISTAS MATADAS CON R.-0,3 O CHAFLANES DE 0,3x45° / *BREAK ALL SHARP EDGES WITH R.-0,3 OR CHAMFER OF 0,3x45°*

LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD / *CAD MAINTENANCE*

MODEL:

CAD:

MATERIAL *MATERIAL*

TRATAMIENTO *TREATMENT*

ACABADO *FINISH*

RUG.SUP. *ROUGHNESS*

	PREP. *PREP*	REV. *CHECK*	APROB. *APVD*	AUTO. *AUTH*
NOMBRE *NAME*	mgreguera	jlsbuendia	jblazquez	pbravo
FECHA *DATE*	29-11-13	29-11-13	29-11-13	29-11-13

indra

INDRA SISTEMAS S.A.

CAGE CODE 0177B / 0178B

DENOMINACION / *TITLE*: INTERCONNECTION DIAGRAM

Nº DE PLANO / *DRAWING NUM*	TIPO *TYPE*	ORD.	ED/RV
00634 1 00001 00	DI	00	A3

CLASIFICACIÓN / *CLASSIFICATION*	Nº CONTRATO / *CONTR. NUM*

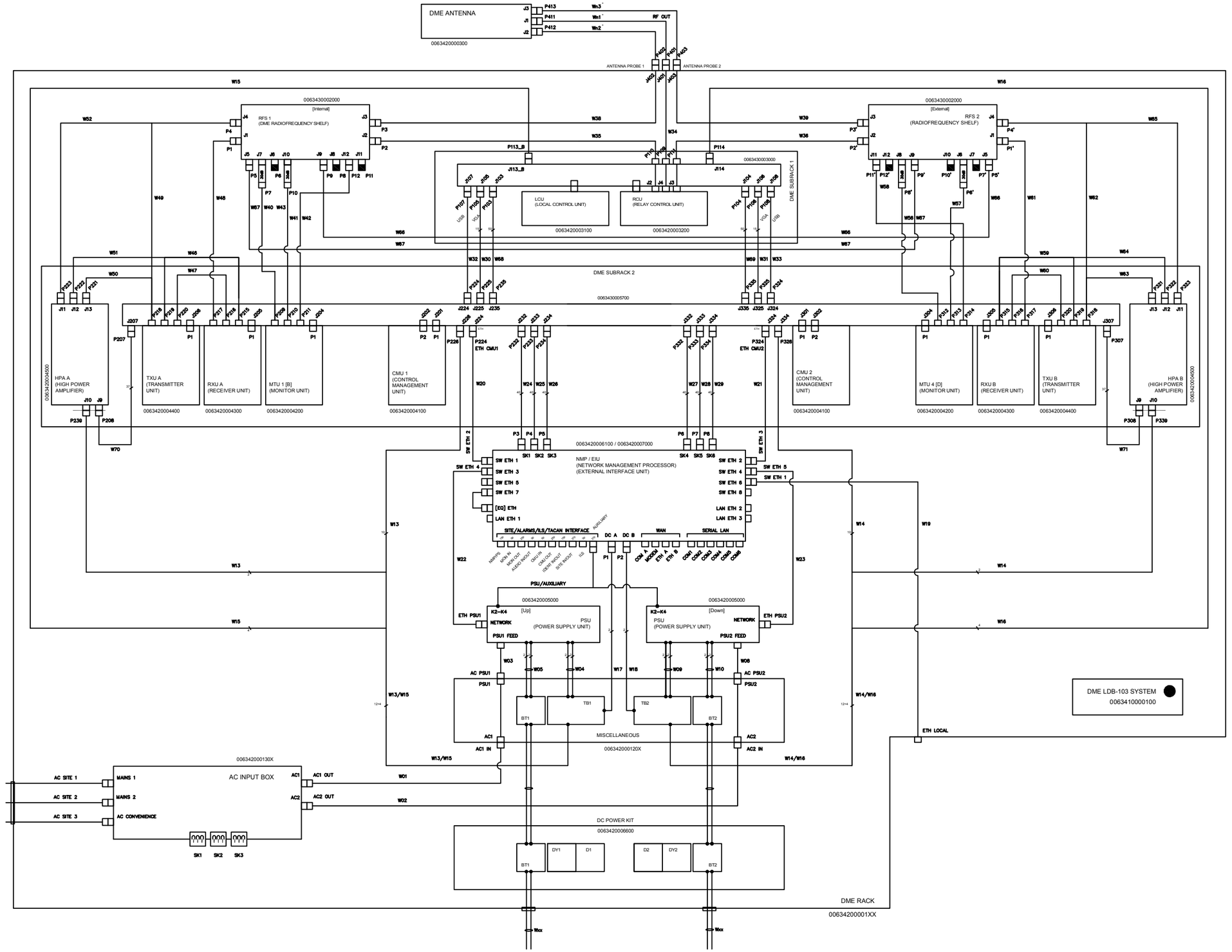
ESCALA / *SCALE*	FORMATO / *SIZE*	HOJA / *SHEET*
N / S	A1	1 / 4

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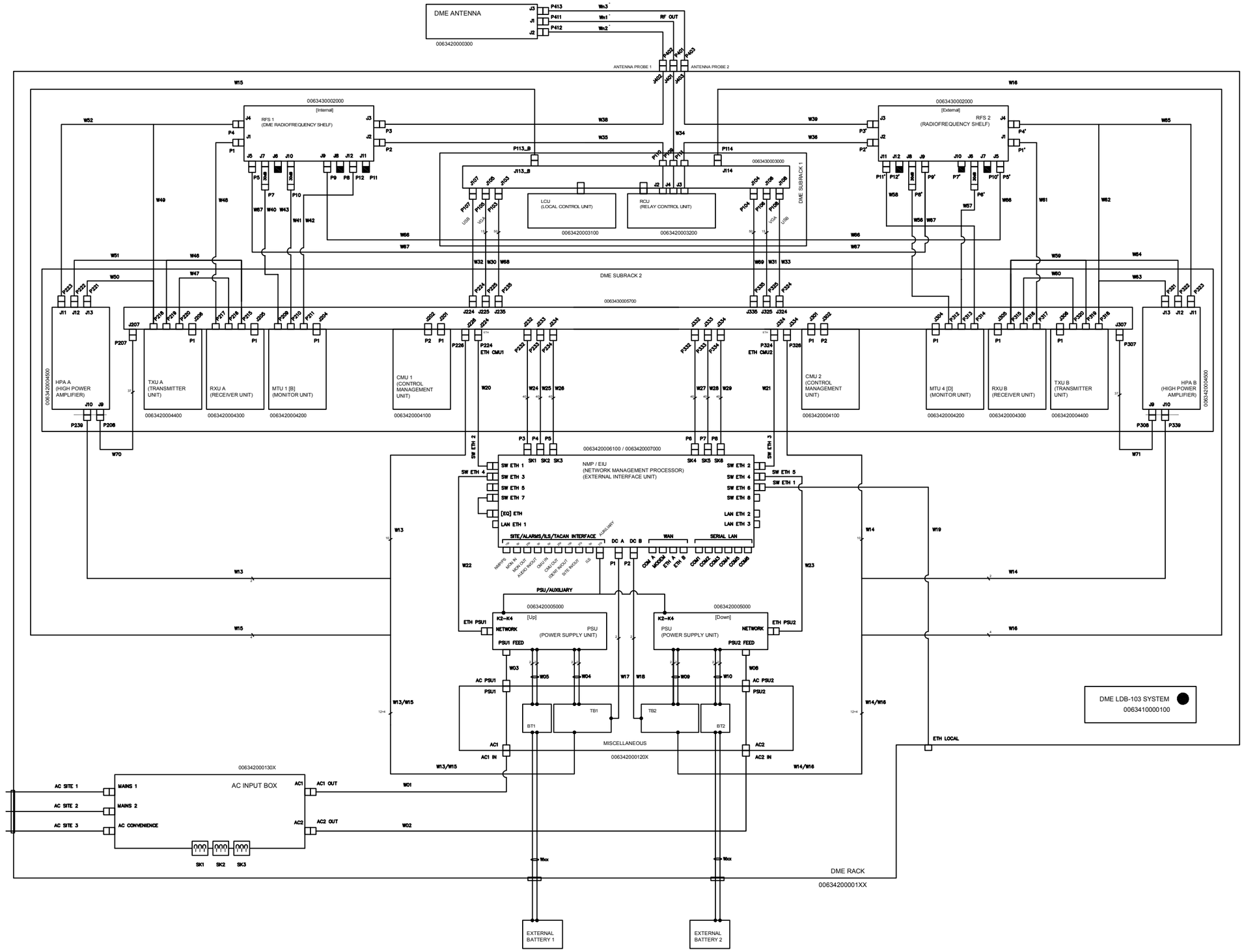
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	00634 1 0001 00		DE	00	A3
	CLASIFICACIÓN	CLASSIFICATION	Nº CONTRATO	CONTR. NUM	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA / SCALE N/S	FORMATO / SIZE A1	HOJA / SHEET 2 / 4		

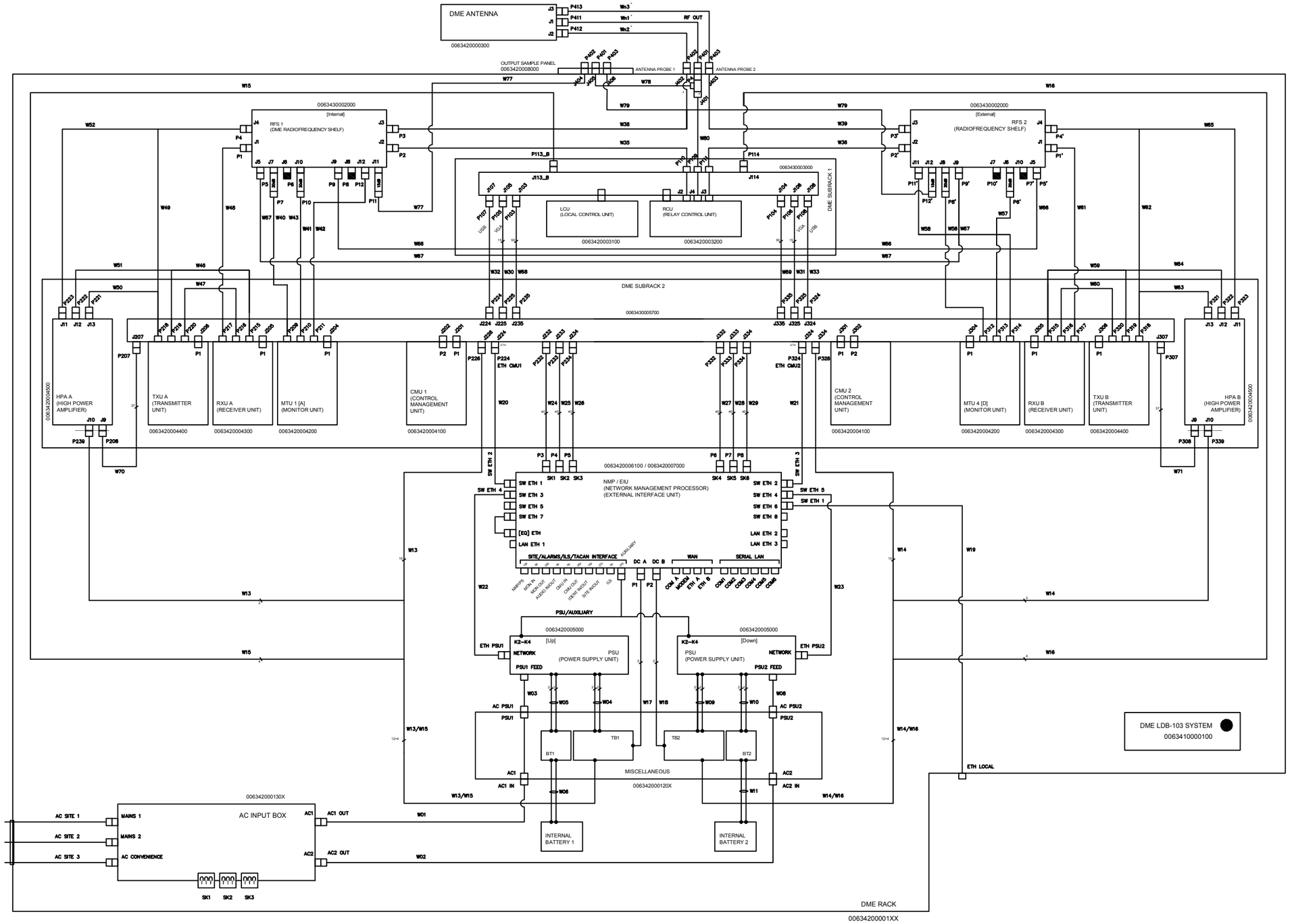
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09-06-08

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indra	N° DE PLANO / *DRAWING N°*		TIPO *TYPE*	ORD.	ED RV
	00634 1 0001 00		DE	00	A3
INDRA SISTEMAS S.A.	CLASIFICACIÓN / *CLASSIFICATION*	N° CONTRATO / *CONTR. NUM*			
CAGE CODE 0177B / 0178B	ESCALA / *SCALE* N/S	FORMATO / *SIZE* A1	HOJA / *SHEET* 3 / 4		

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09-06-08



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indra	Nº DE PLANO / DRAWING Nº		TIPO TYPE	ORD.	ED RV
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	CLASIFICACIÓN	CLASSIFICATION	Nº CONTRATO		CONTR. NUM
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA / SCALE N/S	FORMATO / SIZE A1	HOJA / SHEET 4 / 4		

FRM-A1-H1-INDRA
09-06-08

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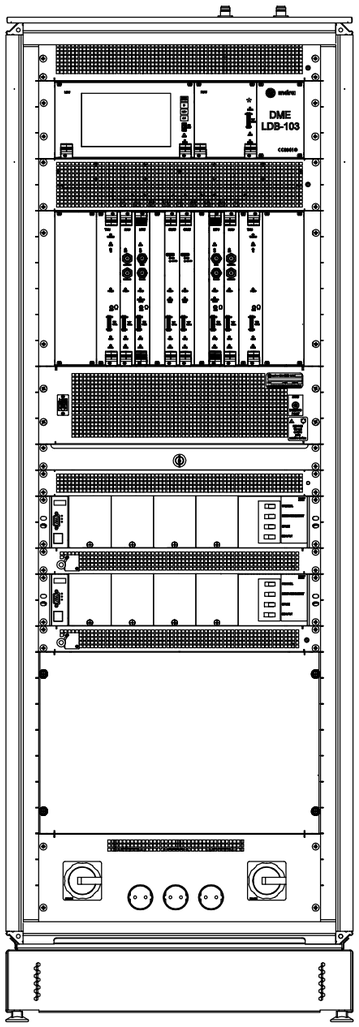
4.2 DME CABINET

4.2.1 LOW POWER DME CABINET [0063420001007]

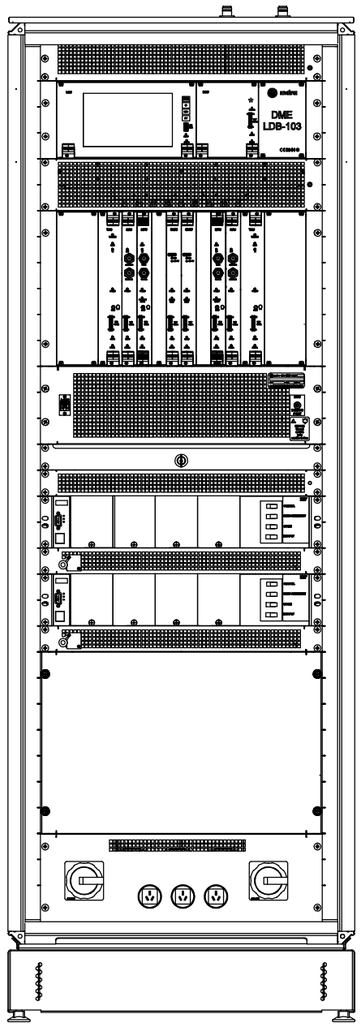
DME CABINET drawings [0063420001007DE00]

(19 pages attached)

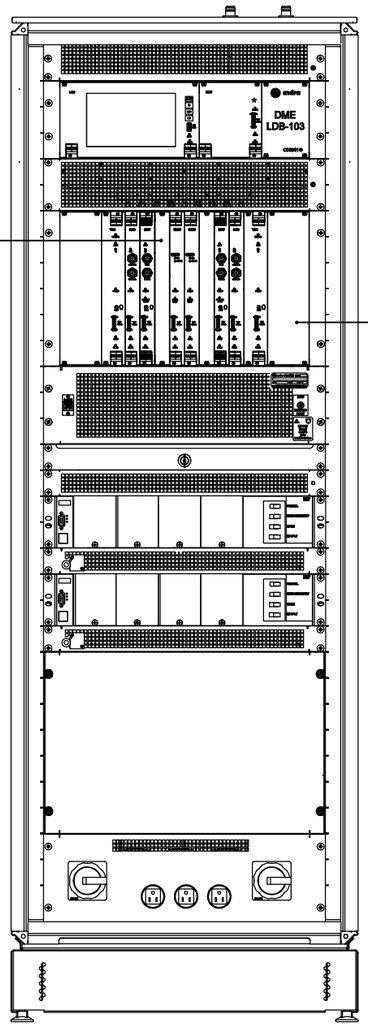
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A1	REVISIÓN / REVIEW - PCI Nº. 0063420001007PC01	aspro	06-03-13	
A2	REVISIÓN / REVIEW - PCI Nº. 0063420001007PC02	mgreguera	05-12-13	



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DME LDB-103 100 W / DUAL SYSTEM
2 MONITORS - SP

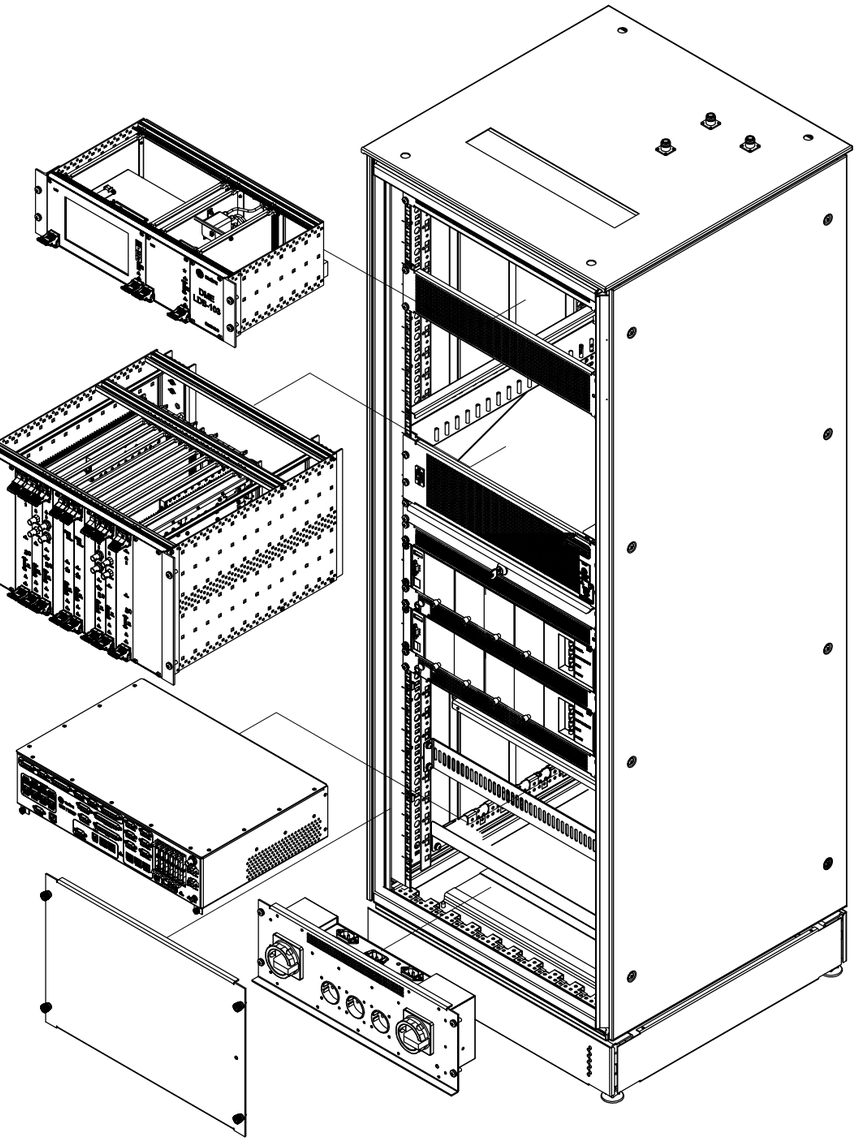


MODEL .14
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2 MONITORS - AU/NZ

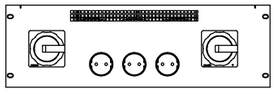


MODEL .XX
DME LDB-103 100 W / DUAL SYSTEM
2 MONITORS - USA

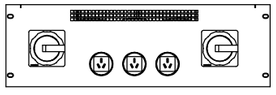
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A2 MP2
A2 MP5
A2 MP4



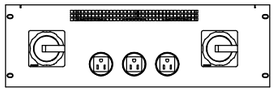
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AC INPUT BOX [SP] - 0063400001301



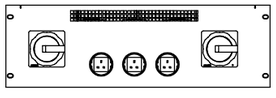
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DETALLE / DETAIL
AC INPUT BOX [USA] - 0063400001303



DETALLE / DETAIL
AC INPUT BOX [UK] - 0063400001304



NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

ED/RV DE HOJAS *ED/RV OF SHEETS*							
24		18	A2	12	A2	6	A2
23		17	A2	11	A2	5	A2
22		16	A2	10	A2	4	A2
21		15	A2	9	A2	3	A2
20		14	A2	8	A2	2	A2
19	A2	13	A2	7	A2	1	A2

TOLERANCIAS GENERALES S/NORMA *GENERAL TOLERANCES P/NORME*
ISO 2768-mK
ARISTAS MATADAS CON R.-0,3 O CHAFLANES DE 0,3x45° *BREAK ALL SHARP EDGES WITH R.-0.3 OR CHAMFER OF 0,3x45°*
LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD *CAD MAINTENANCE*
MODEL:
CAD:

MATERIAL *MATERIAL*
TRATAMIENTO *TREATMENT*
ACABADO *FINISH*
RUG.SUP. *ROUGHNESS*

	PREP. *PREP*	REV. *CHECK*	APROB. *APVD*	AUTO. *AUTH*
NOMBRE *NAME*	mgreguera	jlsbuendia	jblazquez	pbravo
FECHA *DATE*	29-11-13	29-11-13	29-11-13	29-11-13

indra
INDRA SISTEMAS S.A.
CAGE CODE 0177B / 0178B

DENOMINACION *TITLE*
DME CABINET [FC][LP][DUAL MONITOR]

Nº DE PLANO *DRAWING NUM*	TIPO *TYPE*	ORD.	ED/RV
00634 2 00010 07	DE	00	A2

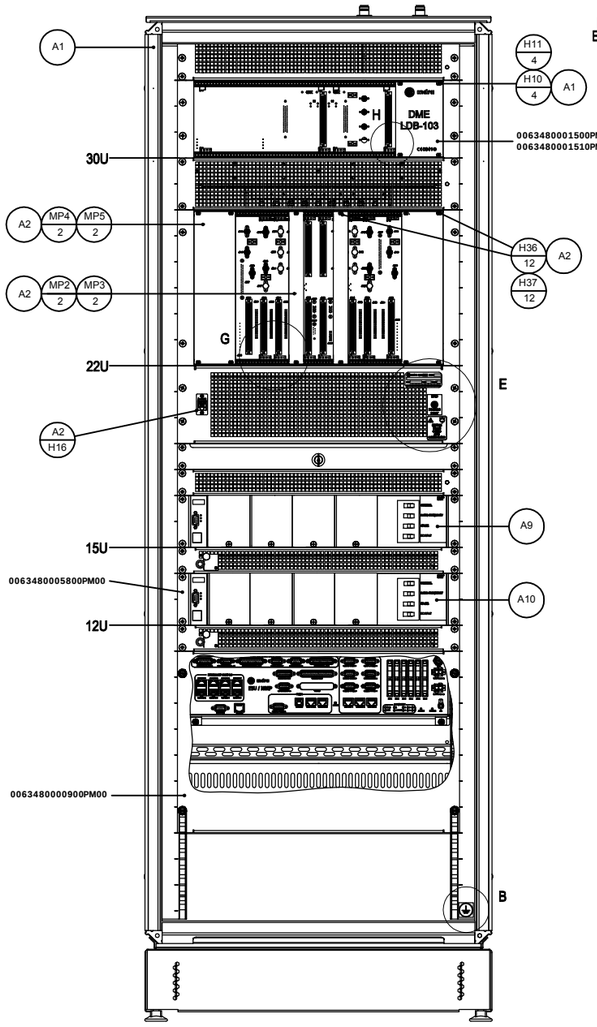
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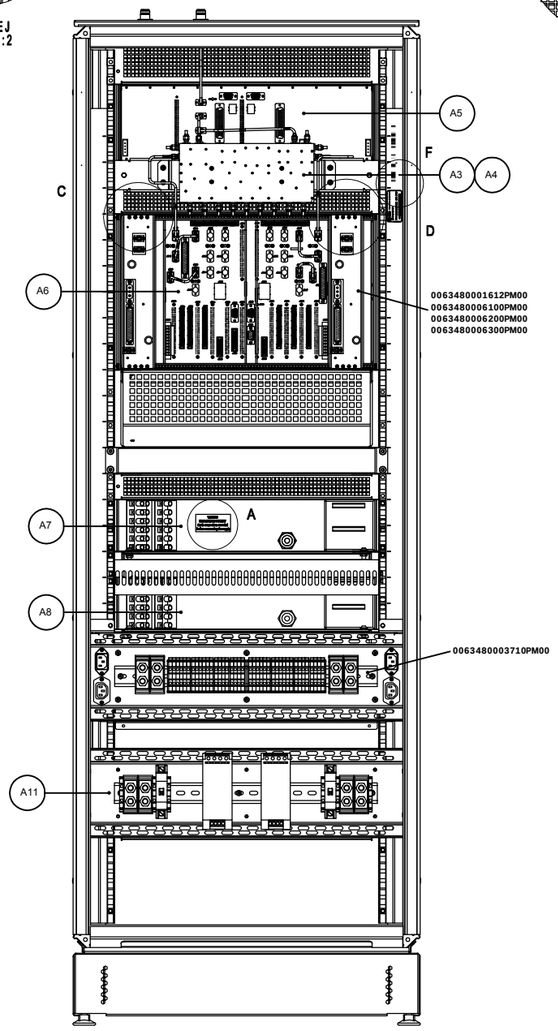
ESCALA *SCALE* N / S | FORMATO *SIZE* A1 | HOJA *SHEET* 1 / 19

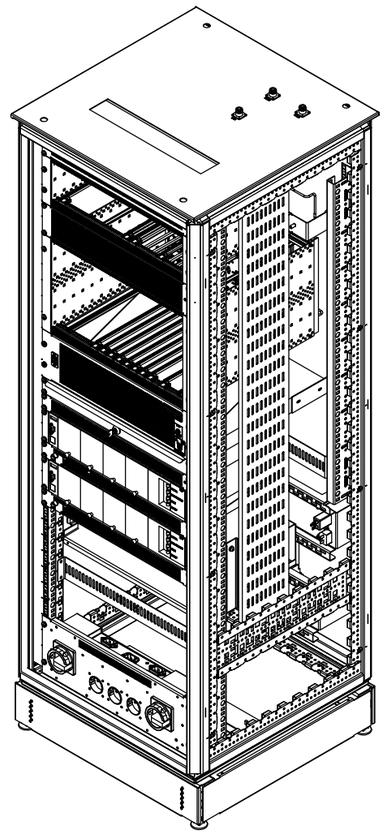
FRM-A1-H1-INDRA
09-06-08

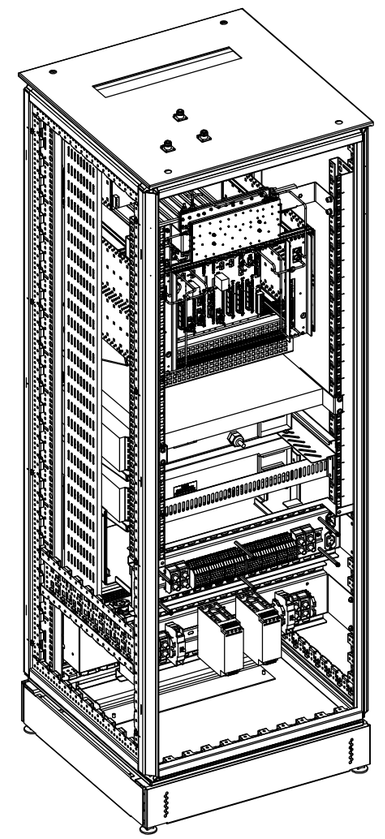
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H
H12 4
A1
DETALLE J
ESCALA 1:2

G
H12 26
A1
H14 8
A1
DETALLE I
ESCALA 1:2

F
MP6
A1
DETALLE K
ESCALA 1:2

0063420001007	REF.	DME CABINET [FC][LP][2 MTU]
0063420001100	A1	METALWORKS
0063420001202	A2	MISCELLANEOUS [LP][2 MTU]
0063430002000	A3, A4	RFS SHELF
0063430003000	A5	SUBRACK 1 MOTHERBOARD
0063430005700	A6	SUBRACK 2 MOTHERBOARD
0063420006500	A7, A8	POWER SUPPLY SUBRACK UNIT FOR DC INPUT
0063420006300	A9, A10	BREAKERS SET LRU
0063420006600	A11	DC POWER KIT

NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

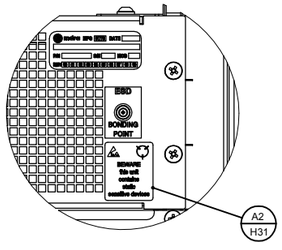
NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00



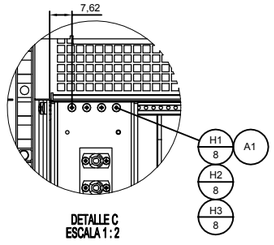
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ESCALA 1:2



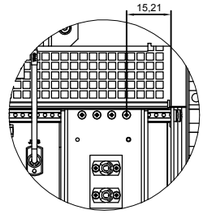
DETALLE A
ESCALA 1:2



DETALLE E
ESCALA 1:2



DETALLE C
ESCALA 1:2

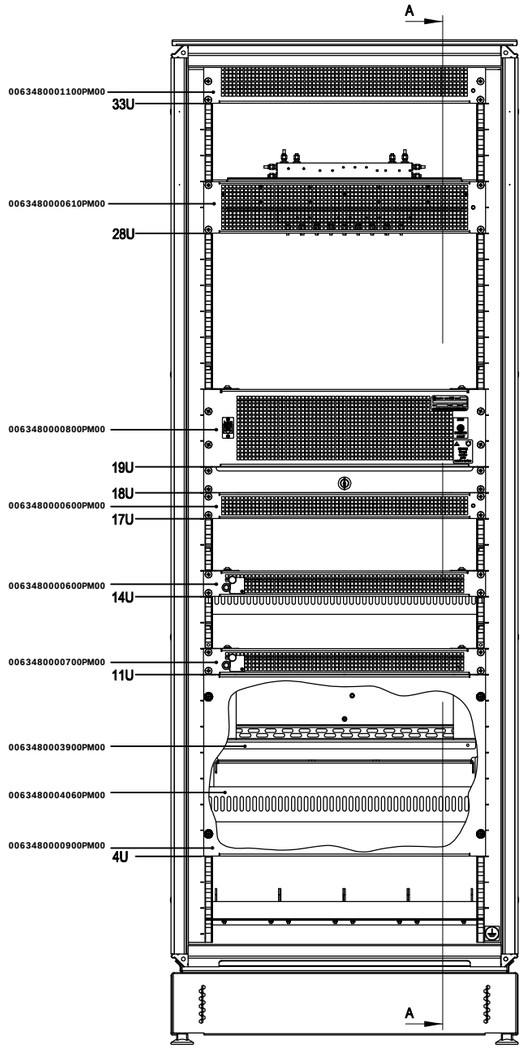


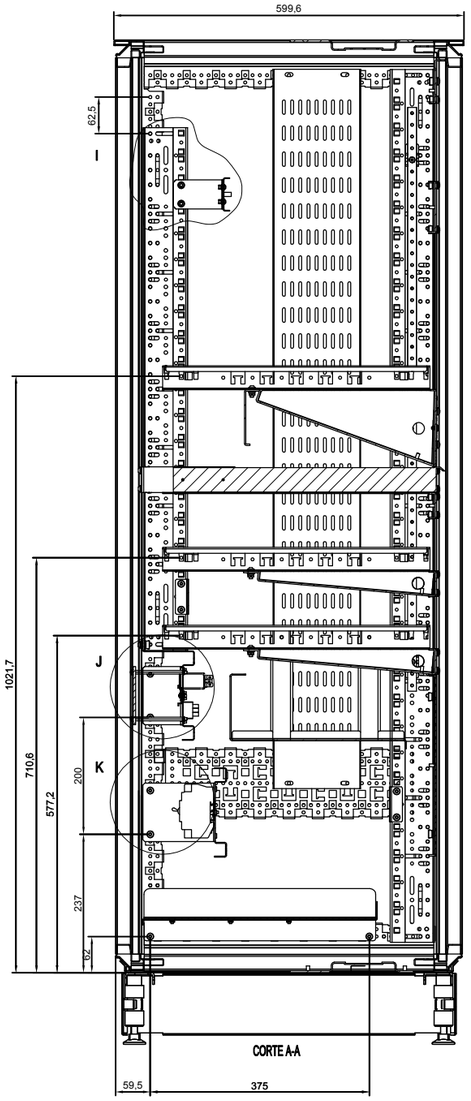
DETALLE D
ESCALA 1:2

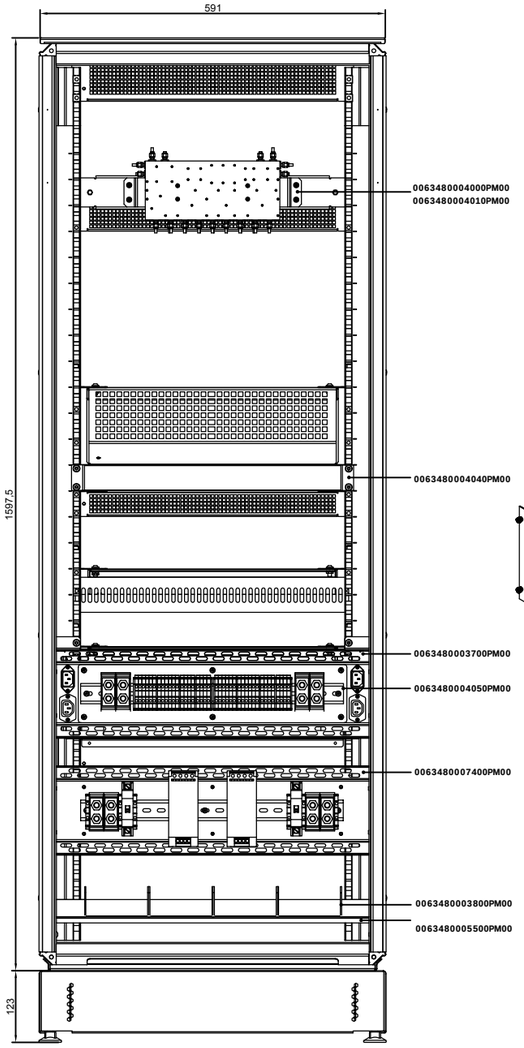
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	00634 2 00010 07			DE	00	A2
	CLASIFICACIÓN	*CLASSIFICATION*	Nº CONTRATO	*CONTR. NUM*		
INDRA SISTEMAS S.A.						
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A1	HOJA *SHEET* 2 / 19			

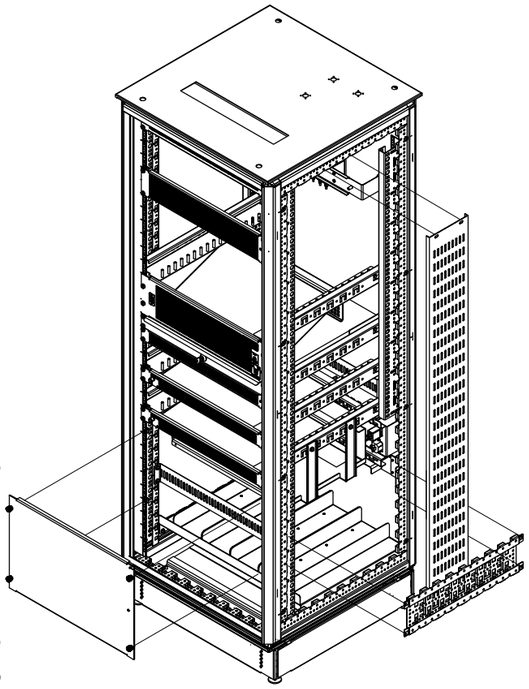
FRM-A1-H1-INDRA
09-06-08

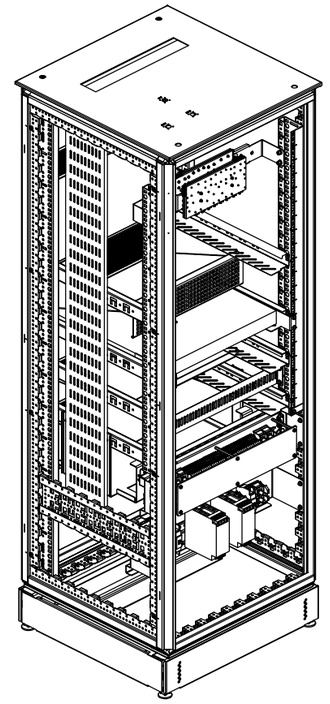
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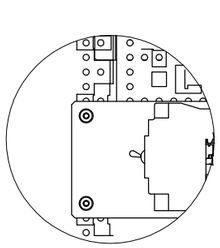


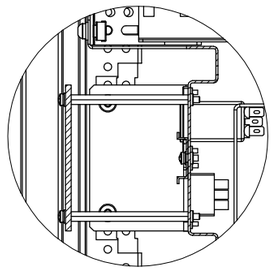


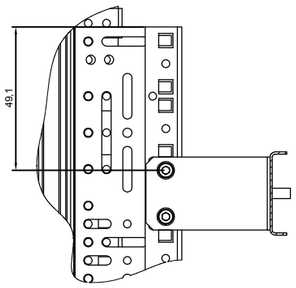
NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

A1	0063420001100	METALWORKS	1
1	M0113001OLPA0	Screw M3*10 DIN 7985	2
2	M0114008LPA0	Screw M4*8 DIN 7985	6
3	M0115012LPA0	Screw M5*12 DIN 7985	4
4	M0116016LPA0	Screw M6*16 DIN 7985	16
5	M151300125LA0	Washer M3 DIN 125	2
6	M151300127EA6	Washer M3 DIN 127	2
7	M151400125ARS	Washer M4 DIN 125	30
8	M151500125AA0	Washer M5 DIN 125	13
9	M151500127EA0	Washer M5 DIN 127	13
10	M151600127EA6	Washer M6 DIN 127	112
11	M151400127EA6	Washer M4 DIN 127	30
12	M101400934EA0	Nut M4 DIN 934	24
13	M101500934EA0	Nut M5 DIN 934	9
14	1502516016001	Screw Allen M6x16 ISO7380	100
15	M151600125AA0	Washer M6 DIN 125	68
16	1883000260000	GND Point	1
17	1237714523000	Faston terminal M6.3 45°	14
18	1235026153000	PANEL PASACAB PERF 27U	1
19	0063420006400	Conj. Rack Metalworks	1
20	M151300125AA0	Washer M3 DIN 125	26
21	M151300127EA0	Washer M3 DIN 127	26
22	M151400125AA6	Washer M4 DIN 125	7
23	M151400127EA6	Washer M4 DIN 127	7
24	M0113001BLPA0	Screw M3*18 DIN 7985	8
25	M0114008LPA0	Screw M4*8 DIN 7985	7
26	1701501980000	Rack Varistar 1600x600	1
27	M151506798JA0	Washer M5 DIN 6798	28
28	M0112508LPA0	Screw M2.5*8 DIN 7985	16
29	1709981061000	Clip ESD PIN	30
30	1229990750000	GND Lead P/19"	2
31	M0112008LPA0	Screw M2*8 DIN 7985	12
32	M151250125AA0	Washer M2.5 DIN 125	16
33	M151250127EA0	Washer M2.5 DIN 127	16
34	M151200125AA0	Washer M2 DIN 125	12
35	M151200127EA0	Washer M2 DIN 127	12
36	1589090912021	Screw M2.5*12.3 RAN	8
37	1589990340000	Sleeve 5.9 mm - L=3.3 mm	8
38	1701501980000	Coding PIN. Ref. H10	8
39	M0113012LPA0	Screw M3*12 DIN 7985	10
40	M0113006LPA0	Screw M3*6 DIN 7985	8







DETALLE / DETAIL:
0063420006400
CONJ. RACK METALWORK PARTS

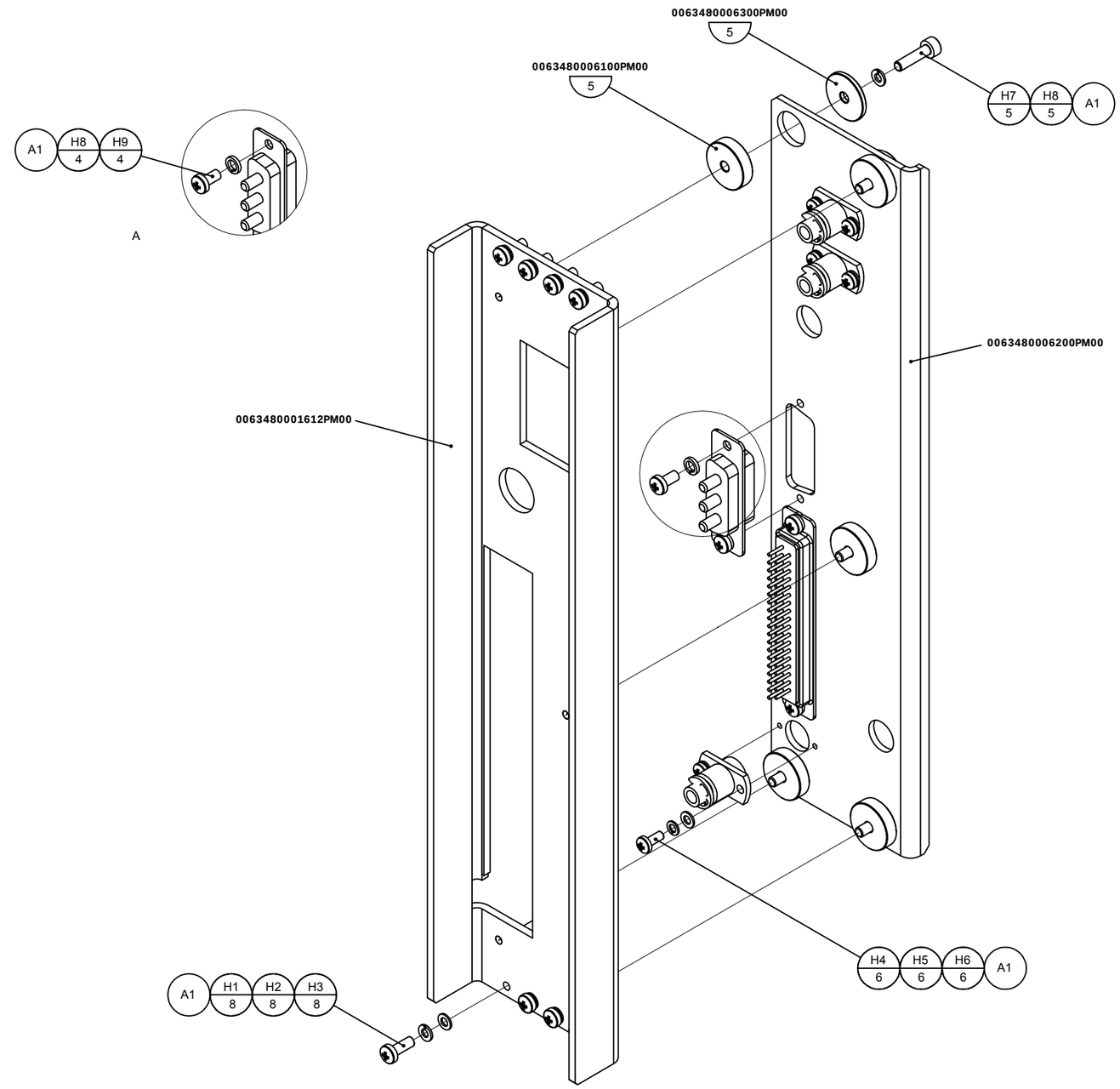
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		00634 2 00010 07		DE	00	A2
		CLASIFICACIÓN	*CLASSIFICATION*	Nº CONTRATO		*CONTR. NUM*
INDRA SISTEMAS S.A.						
CAGE CODE 0177B / 0178B		ESCALA *SCALE* N/S	FORMATO *SIZE* A1	HOJA *SHEET* 3 / 19		

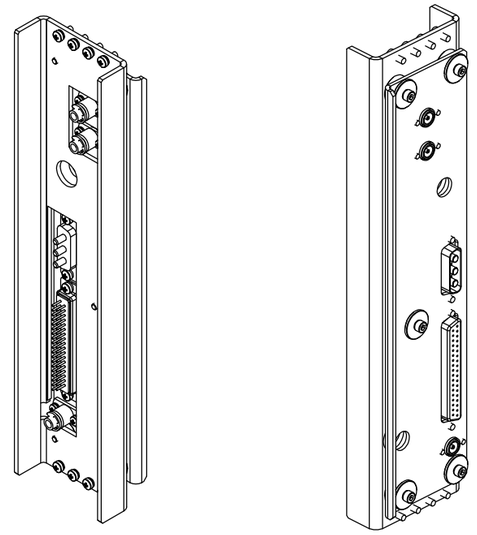
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09-06-08

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CONNECTOR PLATE FLOATING



NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE LAS DOS PIEZAS CONNECTOR PLATE FLOATING :
x10 M3X12mm DIN 7985 + DIN 127 + DIN 125 - HPA FLOATING CAPS
x8 M3X6 DIN 7985 + DIN 127 + DIN 125 - CONECTORES SUB-D
x16 M2.5X8mm DIN 7985 + DIN 127 + DIN 125 - HPA CONNECTOR SUPPORT
x12 M2X6mm DIN 7985 + DIN 127 + DIN 125 - CONECTORES SMB CUANDO 0063420001009 [HP]

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

CONNECTOR PLATE FLOATING PARTS, LHS AND RHS, ASSEMBLY:
x10 M3X12mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - HPA FLOATING CAPS
x8 M3X6mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - SUB-D CONNECTORS
x16 M2.5X8mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - HPA CONNECTOR SUPPORT
x12 M2X6mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - SMB CONNECTORS WHEN 0063420001009 [HP]

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 07		TIPO *TYPE* DE	ORD. 00	ED RV A2
	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 4 / 19		

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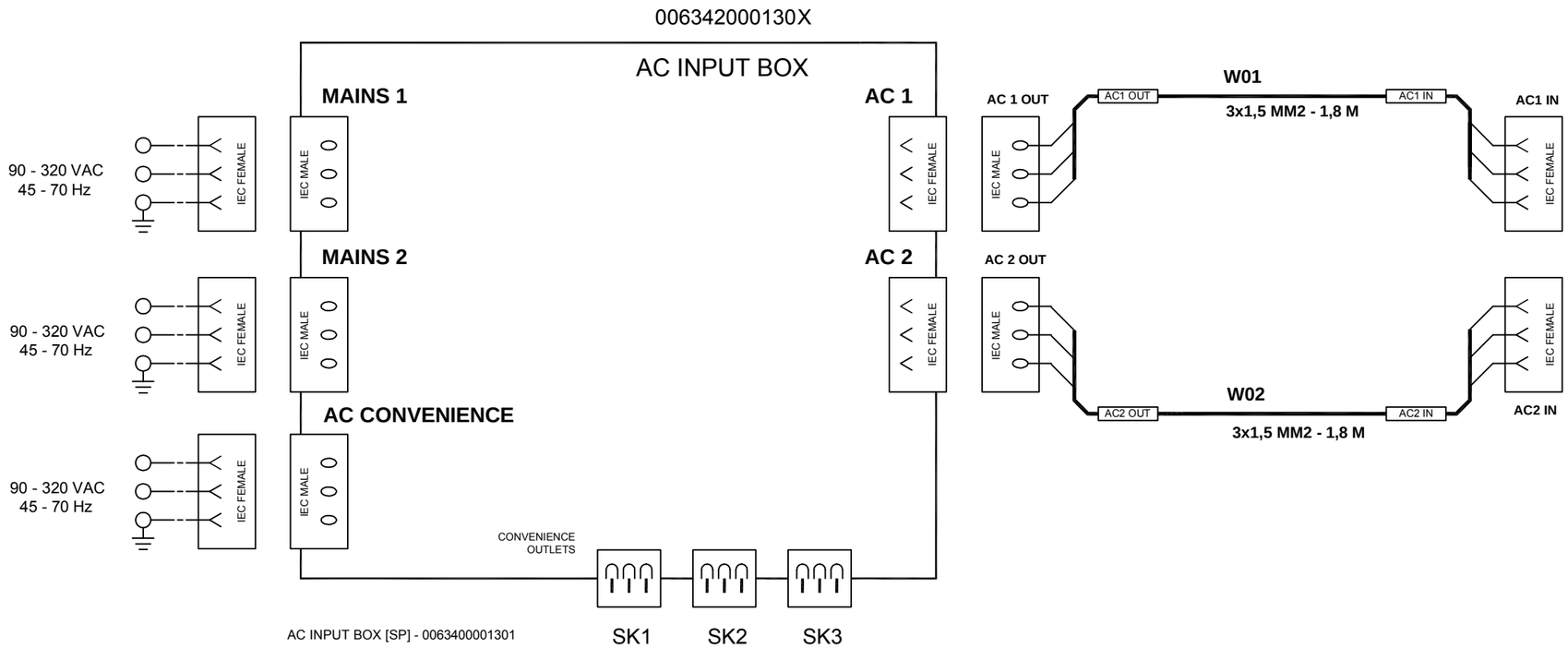
PARA TERMINALES / FOR TERMINALS

H6	H7	H8	H9	H10	H11	H12	H13	H14	H15	H22	H23
1	12	8	14	22	8	10	10			3	12

PARA CABLES / FOR WIRES

H25	H26	H27
16	16	16

0063420001202	MISCELLANEOUS [LP][2 MTU] WIRING
0063440001110 to 1160	Cable Assembly W01 to W06
0063440001160 to 1210	Cable Assembly W08 to W11
0063440001230 to 1460	Cable Assembly W13 to W36
0063440001480 to 1590	Cable Assembly W38 to W49
0063440001630 to 1720	Cable Assembly W53 to W62
0063440001760 to 1860	Cable Assembly W66 to W76



AC INPUT BOX [SP] - 0063400001301

AC INPUT BOX [AU/NZ] - 0063400001302

AC INPUT BOX [USA] - 0063400001303

AC INPUT BOX [UK] - 0063400001304

NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

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FRM-A2-H1-INDRA
09-06-08

indra	N° DE PLANO *DRAWING N°*		TIPO *TYPE*	ORD.	ED RV
	00634 2 00010 07		DE	00	A2
	CLASIFICACIÓN *CLASSIFICATION*		N° CONTRATO		*CONTR. NUM*
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 5 / 19		

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0063420005100

POWER SUPPLY 2 (PSU2) [Down]

PSU2 FEED

LOAD LOAD BATTERY BATTERY LOAD COMMON LOAD COMMON LOAD COMMON LOAD COMMON BATTERY COMMON BATTERY COMMON

1 2 3 4 5 6 7 8 9 10 11 12

TB2-18 TB2-2 BI2-OUT1+ BI2-OUT2+ TB2-10 TB2-30 BI2_OUT1- BI2_OUT2-

PS2-1 PS2-2 PS2-5 PS2-6 PS2-7 PS2-8 PS2-11 PS2-12

W08 1,5 MM2 - 0,85 M

W09

W10

BI2_OUT1+ AWG10-RED
BI2_OUT2+ AWG10-BLACK
BI2_OUT1- AWG10-RED
BI2_OUT2- AWG10-BLACK

0063420005100

[Up] POWER SUPPLY 1 (PSU1)

PSU1 FEED

BATTERY COMMON BATTERY COMMON LOAD COMMON LOAD COMMON LOAD COMMON LOAD COMMON BATTERY BATTERY LOAD LOAD

12 11 10 9 8 7 6 5 4 3 2 1

BI1_OUT2- BI1_OUT1- TB1-30 TB1-10 BI1-OUT2+ BI1-OUT1+ TB1-2 TB1-18

PS1-12 PS1-11 PS1-8 PS1-7 PS1-6 PS1-5 PS1-2 PS1-1

W03 1,5 MM2 - 0,85 M

W05

W04

BI1_OUT1+ AWG10-RED
BI1_OUT2+ AWG10-BLACK
BI1_OUT1+ AWG10-RED
BI1_OUT2+ AWG10-BLACK

H30 H17 4 H3 40 H2 5

INTERFACE PANEL TB2 [Left Hand Side Rear View]

INTERFACE PANEL TB1 [Right Hand Side Rear View]

PS2-5 PS2-6 PS2-11 PS2-12 P2 N2 P1 N1

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40

PS1-5 PS1-6 PS1-11 PS1-12 P2 N2 P1 N1

PS2-2 PS2-7 PS2-1 PS2-8 H4 10 PS1-2 PS1-7 PS1-2 PS1-8 H35 4 H5 4

W08 W09 W04 W03

TB2-2 TB2-10 TB2-18 TB2-30 TB1-2 TB1-10 TB1-18 TB1-30

AWG10-RED AWG10-BLACK AWG10-RED AWG10-BLACK AWG10-RED AWG10-BLACK AWG10-RED AWG10-BLACK

W09 W04

AC PSU2 AC PSU21

AC PSU2 PSU2 IEC MALE IEC FEMALE IEC MALE FILTERED H1 2 AC2

PSU1 AC PSU1 IEC FEMALE IEC MALE IEC MALE FILTERED AC1 H1 2

W76 3x1,5 mm2 BLUE - BROWN - YELLOW/GREEN

W76 3x1,5 mm2 BLUE - BROWN - YELLOW/GREEN

MISCELLANEOUS

0063420001202

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

x2 ABRAZADERAS TIPO NX-3 O EQUIVALENTE
x2 TUERCAS ENJAULADA M6
x4 TORNILLOS M6X16 MM + DIN 125 WASHER + DIN 127 WASHER

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

x2 NX-3 PLASTIC CLIPS TYPE OR EQUIVALENT:
x2 CAGE NUTS M6
x4 SCREWS M6X16 MM + DIN 125 WASHER + DIN 127 WASHER

indra	N° DE PLANO / DRAWING N° 00634 2 00010 07		TIPO TYPE DE	ORD. 00	ED RV A2
INDRA SISTEMAS S.A.	CLASIFICACIÓN / CLASSIFICATION		Nº CONTRATO / CONTR. NUM		
CAGE CODE 0177B / 0178B	ESCALA / SCALE N/S	FORMATO / SIZE A2	HOJA / SHEET 6 / 19		

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0063420005100

POWER SUPPLY 2 (PSU2) [Down]

PSU2 FEED

LOAD LOAD BATTERY BATTERY LOAD COMMON LOAD COMMON LOAD COMMON LOAD COMMON BATTERY COMMON BATTERY COMMON

1 2 3 4 5 6 7 8 9 10 11 12

BI2-OUT1+ BI2-OUT2+ BI2_OUT1- BI2_OUT2-

PS2-5 PS2-6 PS2-11 PS2-12

W08 1,5 MM2 - 0.85 M

W10

BI2_OUT1+ AWG10-RED
BI2_OUT2+ AWG10-BLACK
BI2_OUT1- AWG10-RED
BI2_OUT2- AWG10-BLACK

0063420005100

[Up] POWER SUPPLY 1 (PSU1)

PSU1 FEED

BATTERY COMMON BATTERY COMMON LOAD COMMON LOAD COMMON LOAD COMMON LOAD COMMON BATTERY BATTERY LOAD LOAD

12 11 10 9 8 7 6 5 4 3 2 1

BI1_OUT2- BI1_OUT1- BI1-OUT2+ BI1-OUT1+

PS1-12 PS1-11 PS1-6 PS1-5

W03 1,5 MM2 - 0.85 M

W05

BI1_OUT1- AWG10-RED
BI1_OUT2- AWG10-BLACK
BI1_OUT1+ AWG10-RED
BI1_OUT2+ AWG10-BLACK

H30 H17 4

0063480003700PM00

INTERFACE PANEL TB2 [Left Hand Side Rear View]

INTERFACE PANEL TB1 [Right Hand Side Rear View]

P2 N2 P1 N1

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40

BTT2+ BTT2- BTT1+ BTT1-

BI2_IN1+ BI2_IN1- BI1_IN1+ BI1_IN2-

W08 W03

AC PSU2 AC PSU1

W11 AWG10-RED AWG10-BLACK

W06 AWG10-RED AWG10-BLACK

MISCELLANEOUS

0063420001202

AC PSU2 PSU2 IEC MALE IEC FEMALE IEC MALE FILTERED AC2

PSU1 AC PSU1 IEC FEMALE IEC MALE IEC MALE FILTERED AC1

BI2_IN1- BI2_IN1+ BTT2- BTT2+ M12V90FT

BI1_IN1- BI1_IN1+ BTT1- BTT1+ M12V90FT

W76 3x1,5 mm2 BLUE - BROWN - YELLOW/GREEN

1

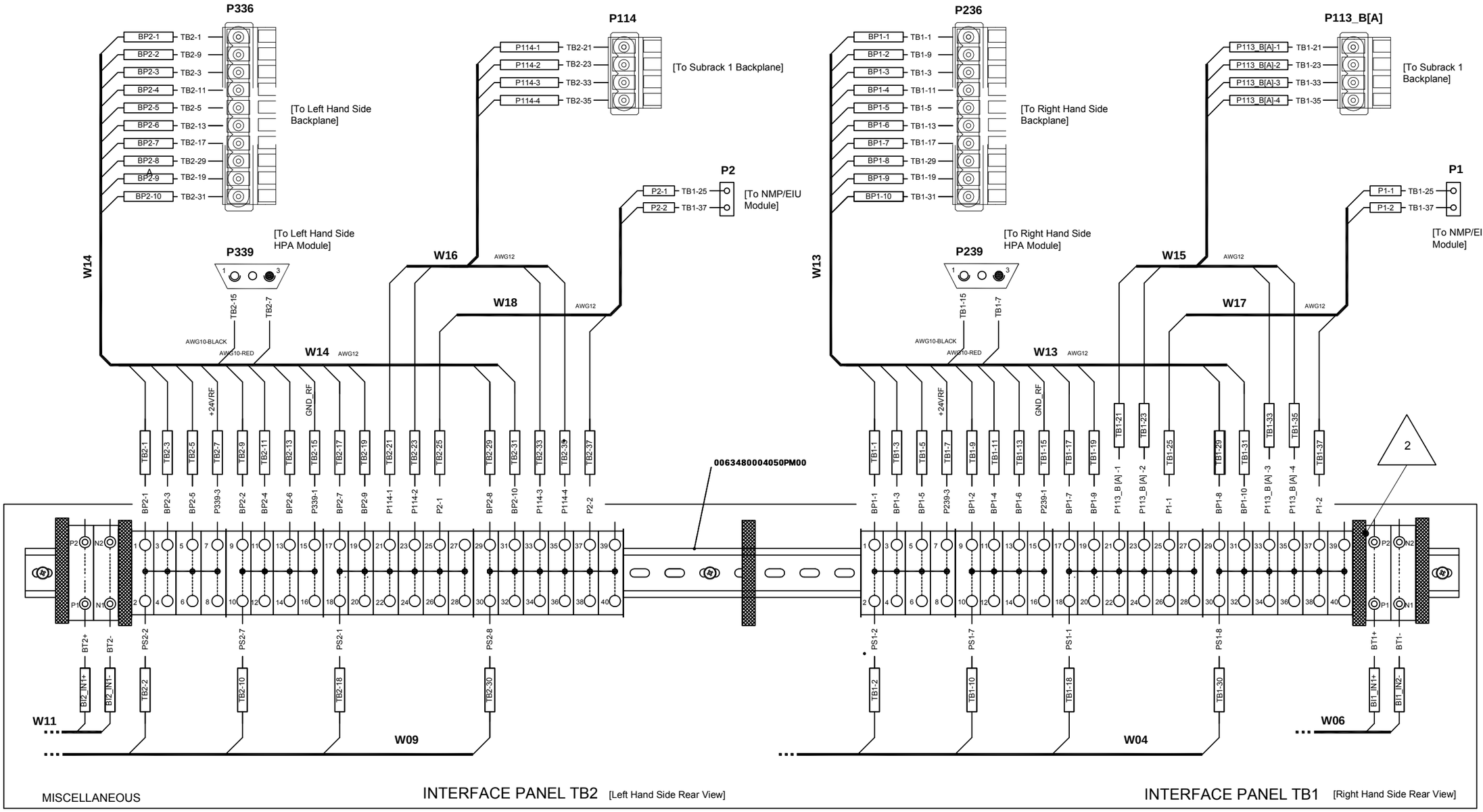
1 X4 BATTERIES 86AH P/N: NAMFI20090HM0FA - INDRA I2601I6000700

INDRA SISTEMAS S.A.	N° DE PLANO *DRAWING N°* 00634 2 00010 07	TIPO *TYPE* DE	ORD. 00	ED RV A2	
CAGE CODE 0177B / 0178B	CLASIFICACIÓN *CLASSIFICATION*	Nº CONTRATO *CONTR. NUM*			
	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 7 / 19		

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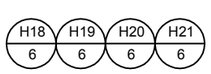
MISCELLANEOUS

0063420001202

INTERFACE PANEL TB2 [Left Hand Side Rear View]

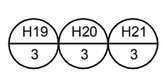
INTERFACE PANEL TB1 [Right Hand Side Rear View]

MONTAJE DE REAR PATCH PANEL COVER



REAR PATCH PANEL COVER ASSEMBLY

MONTAJE DE DIN RAIL 7S35x7,5



DIN RAIL TS35x7.5 ASSEMBLY

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 07		TIPO *TYPE* DE	ORD. 00	ED RV A2
	CLASIFICACIÓN *CLASSIFICATION*		N° CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 8 / 19		

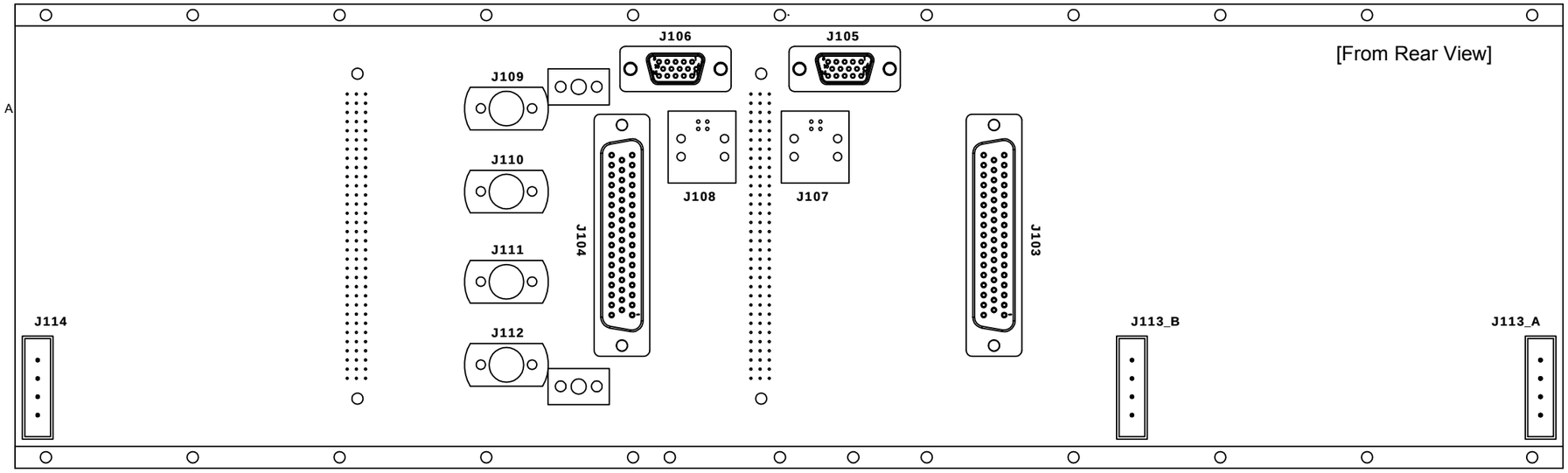
FRM-A2-H1-INDRA
09-06-08

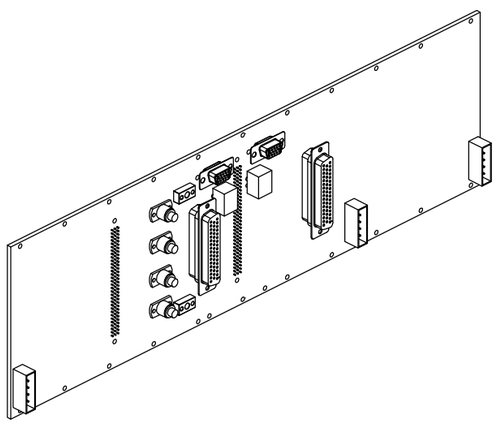
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SUBRACK 1
MOTHER BOARD

0063420003000





METALWORKS		SUBRACK 1	
I	M01125012LPA0	Screw M2.5*12 DIN 7985	24
2	1509009012021	Screw M2.5x12,3 RAN	4
3	1589990340000	Manguito de protección	4
4	1709981061000	ESD pin. Ref. H12	4
5	1229990750000	GND Lead	I

0063430003000LM00		SUBRACK 1 MOTHER BOARD	
I	...	...	
2	M01125012LPA0	Screw M2.5*12 DIN 7985	24
3	M01125010LPA0	Screw M2.5x10 DIN 7985	4
4	M01125008LPA0	Screw M2.5x8 DIN 7985	4
5	M151250125AA0	Washer M2.5 DIN 125	32
6	M151250127EA0	Washer M2.5 DIN 127	32
7	M01120010LPA0	Screw M2*10 DIN 7985	6
8	M151200125AA0	Washer M2 DIN 125	I2
9	M151200127EA0	Washer M2 DIN 127	6
I0	M101250934EA0	Nut M2.5 DIN 934	4
II	M101200934EA0	Nut M2 DIN 934	6

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE SUBRACK 1 MOTHERBOARD:
x4 M2.5X8mm DIN 7985 + DIN 127 + DIN 125 - LOS CENTRADORES HEMBRA
x4 M2.5X10mm DIN 7985 + DIN 127 + DIN 125 + DIN 934 - J101, J102
x24 M2.5X12mm DIN 7985 + DIN 127 + DON 125 - FIJACIÓN A SUBRACK 1
x6 M2X10mm DIN 7985 + DIN 127 + 2 DIN 125 + DIN 934 - CONECTORES SMB

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

SUBRACK 1 MOTHERBOARD ASSEMBLY:
x4 M2.5X8mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - FEMALE POSITIONERS
x4 M2.5X10mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER + DIN 934 - J101, J102
x24 M2.5X12mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - MOTHER BOARD 1 TO SUBRACK
x6 M2X10mm DIN 7985 + DIN 127 WASHER + 2 DIN125 WASHER + DIN 934 - SMB CONNECTORS

indra

INDRA SISTEMAS S.A.

CAGE CODE 0177B / 0178B

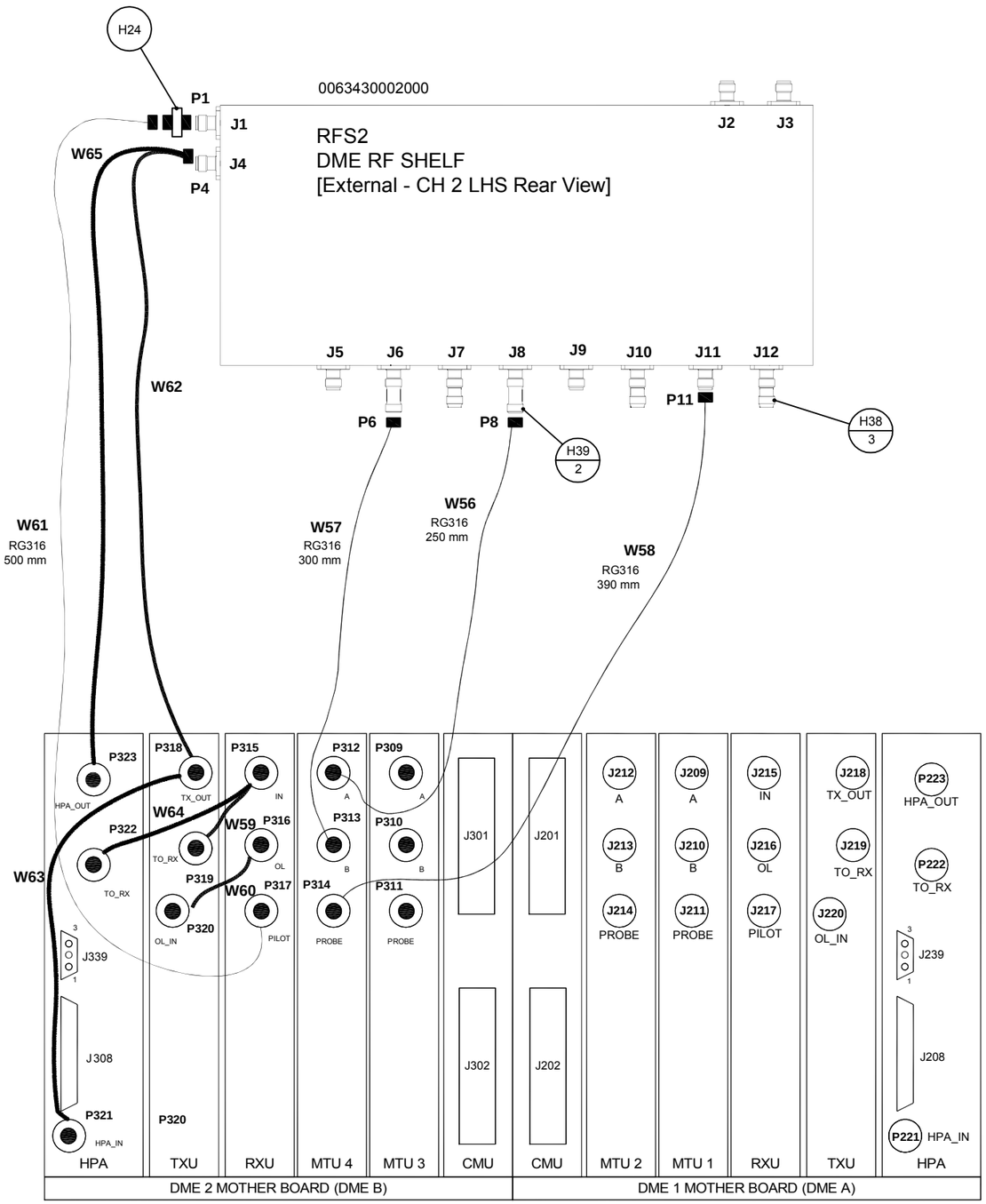
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00634 2 00010 07	DE	00	A2

CLASIFICACIÓN *CLASSIFICATION*	Nº CONTRATO *CONTR. NUM*

ESCALA *SCALE*	FORMATO *SIZE*	HOJA *SHEET*
N/S	A2	9 / 19

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REAR VIEW (VISTA DESDE ATRAS)

MISCELLANEOUS - 0063420001202

ASSEMBLY WIRES/CAB LES - LOW POWER VERSION

W53 - RG316 275 MM - NU IN 2 MTU CONFIGURATIONS
W54 - RG316 355 MM - NU IN 2 MTU CONFIGURATIONS
W55 - RG316 420 MM - NU IN 2 MTU CONFIGURATIONS
W56 - RG316 250 MM
W57 - RG316 300 MM
W58 - RG316 390 MM
W59 - EZ141 130 MM
W60 - EZ141 130 MM
W61 - RG316 500 MM
W62 - EZ141 340 MM

MISCELLANEOUS - 0063420001201

ASSEMBLY WIRES/CAB LES - HIGH POWER VERSION

W53 - RG316 275 MM - NU IN 2 MTU CONFIGURATIONS
W54 - RG316 355 MM - NU IN 2 MTU CONFIGURATIONS
W55 - RG316 420 MM - NU IN 2 MTU CONFIGURATIONS
W56 - RG316 250 MM
W57 - RG316 300 MM
W58 - RG316 390 MM
W60 - EZ141 130 MM
W61 - RG316 500 MM
W63 - EZ141 430 MM
W64 - EZ141 270 MM
W65 - EZ141 230 MM

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE LOS MÓDULOS RF SHELF:
x8 M3X18mm DIN 7985 + PLANA + GROWER
x4 M4X8mm DIN 7985 + PLANA + GROWER

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

RF SHELF MODULES ASSEMBLY:
x8 M3X18mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER
x4 M4X8mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER

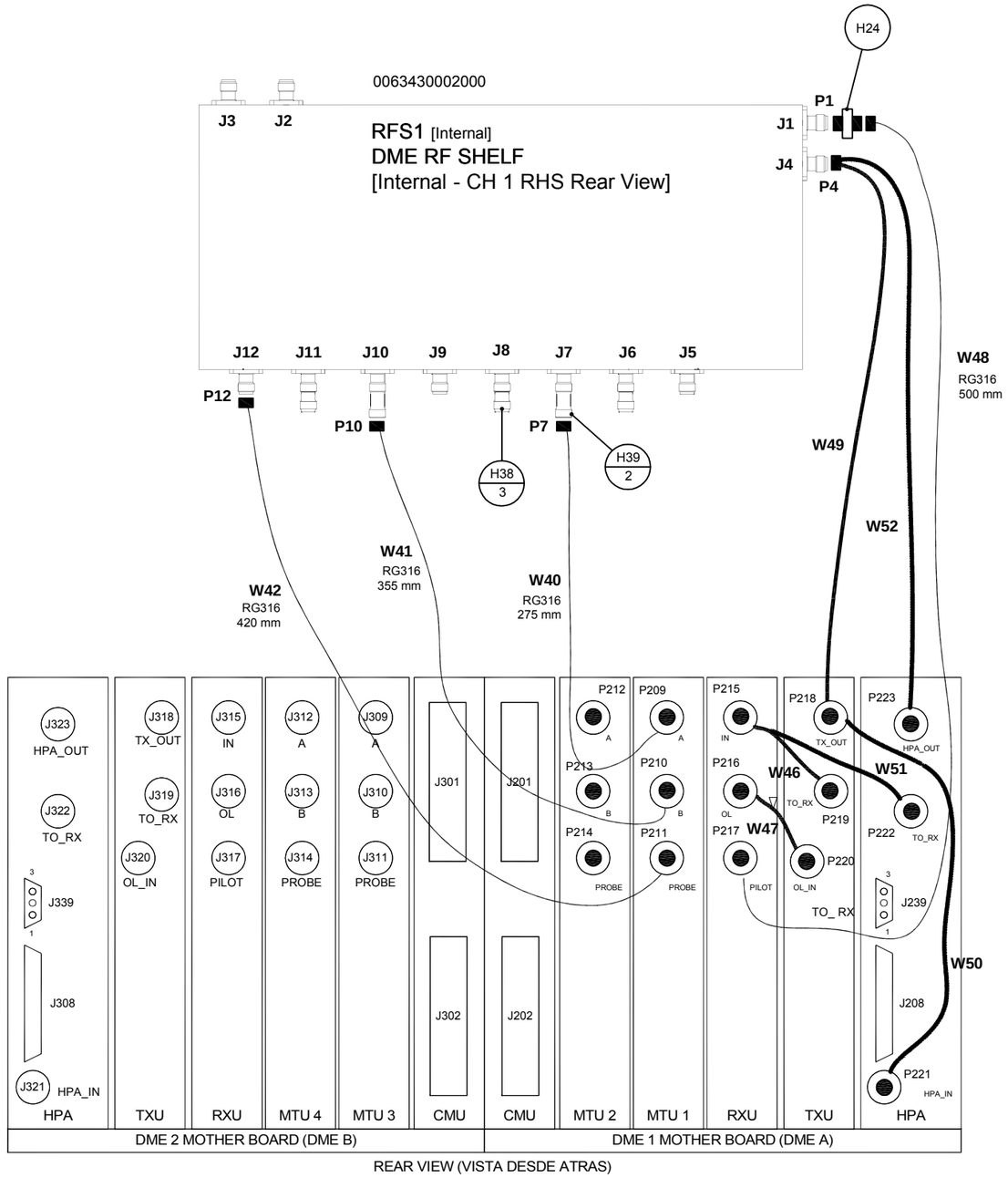
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CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 10 / 19		

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REAR VIEW (VISTA DESDE ATRAS)

MISCELLANEOUS - 0063420001202

ASSEMBLY WIRES/CAB LES - LOW POWER VERSION

W40 - RG316 275 MM
W41 - RG316 355 MM
W42 - RG316 420 MM
W43 - RG316 250 MM - NU IN 2 MTU CONFIGURATIONS
W44 - RG316 300 MM - NU IN 2 MTU CONFIGURATIONS
W45 - RG316 390 MM - NU IN 2 MTU CONFIGURATIONS
W46 - EZI41 130 MM
W47 - EZI41 130 MM
W48 - RG316 500 MM
W49 - EZI41 375 MM

MISCELLANEOUS - 0063420001201

ASSEMBLY WIRES/CAB LES - HIGH POWER VERSION

W40 - RG316 275 MM
W41 - RG316 355 MM
W42 - RG316 420 MM
W43 - RG316 250 MM - NU IN 2 MTU CONFIGURATIONS
W44 - RG316 300 MM - NU IN 2 MTU CONFIGURATIONS
W45 - RG316 390 MM - NU IN 2 MTU CONFIGURATIONS
W47 - EZI41 130 MM
W48 - RG316 500 MM
W50 - EZI41 410 MM
W51 - EZI41 270 MM
W52 - EZI41 255 MM

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE LOS MÓDULOS RF SHELF:
x8 M3X18mm DIN 7985 + PLANA + GROWER
x4 M4X8mm DIN 7985 + PLANA + GROWER

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

RF SHELF MODULES ASSEMBLY:
x8 M3X18mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER
x4 M4X8mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 07		TIPO *TYPE* DE	ORD. 00	ED RV A2
	CLASIFICACIÓN	*CLASSIFICATION*	N° CONTRATO		*CONTR. NUM*
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CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 11 / 19		

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0063420003200

RCU
(RELAY CONTROL UNIT)

A

Top

P109

P110

P111

[RCU Back Connectors]

Bottom

[Rack Ceiling]

J401 / RF_OUT

W34

J402
ANT. PROBE 1

J403
ANT. PROBE 2

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

x1 ABRAZADERA TIPO NX-1 O EQUIVALENTE:
x3 ABRAZADERAS TIPO NX-0 O EQUIVALENTE
x3 TORNILLOS M3X8 MM + DIN 125 WASHER + DIN 127 WASHER
X1 M6X12 MM AUTORROSCABLE

(CONECTORES J401, J402 Y J403)
x12 TORNILLOS M3X10mm DIN 7985
x24 ARANDELAS DIN 125
X12 ARANDELAS DIN 127
X12 TUERCAS DIN 934

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

x2 NX-3 PLASTIC CLIPS TYPE OR EQUIVALENT
x3 NX-0 PLASTIC CLIPS TYPE OR EQUIVALENT
x3 SCREWS M3X8 MM DIN 7985 + DIN 125 WASHER + DIN 127 WASHER
x1 SCREW M6X16 MM AUTO

(J401, J402 AND J403 CONNECTORS)
x12 SCREWS M3X10mm DIN 7985
x24 DIN 125 WASHER
X12 DIN 127 WASHER
X12 DIN 934 HEX NUTS

W39
RG316
1050 mm

W36
RG316
330 mm

W38
RG316
880 mm

W35
RG316
165 mm

P3 P2

J3 J2

0063430002000

RFS1 [Internal]
DME RF SHELF

J1

J4

J12 J11 J10 J9 J8 J7 J6 J5

P9 P5

P2 P3

J2 J3

0063430002000

RFS2 [External]
DME RF SHELF

J1

J4

J5 J6 J7 J8 J9 J10 J11 J12

P5 P9

W67

W66

ASSEMBLY WIRES/CAB LES

W34 - EZ141
W35 - EZ141
W36 - EZ141
W38 - RG316 880 MM
W39 - RG316 1050 MM
W66 - RG316
W67 - RG316

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 07		TIPO *TYPE* DE	ORD. 00	ED RV A2
	CLASIFICACIÓN *CLASSIFICATION*		N° CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 12 / 19		

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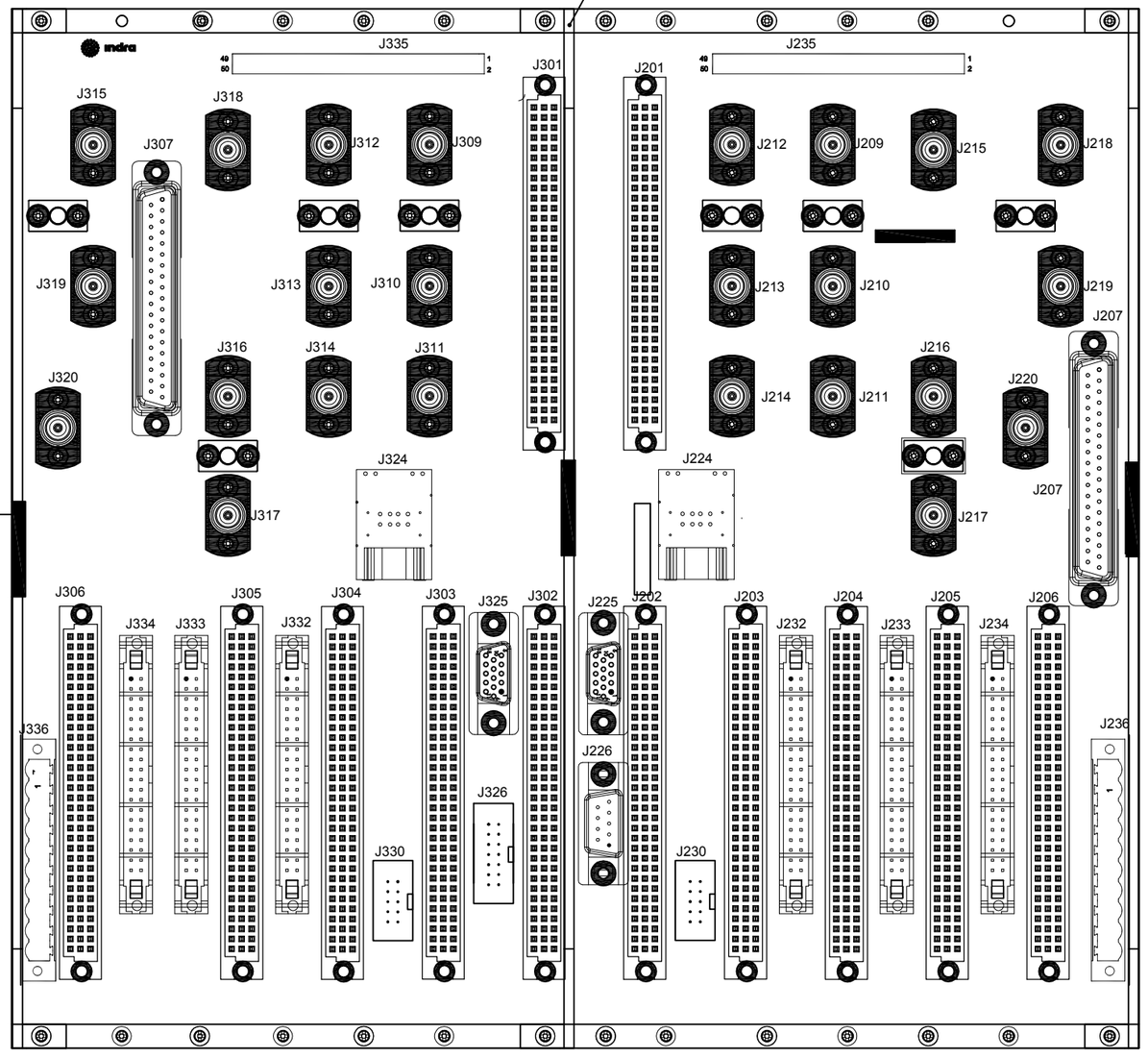
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0024780004070PM00

3

SUBRACK 2
MOTHER BOARD

0063420005700



FROM THE BACK

FROM THE BACK

METALWORKS		SUBRACK 2	
1	1709981061000	ESD pin Ref. H12	26
2	1229990750000	GND Lead	1

0063430005700LM00		SUBRACK 2 MOTHER BOARD	
1	...	...	
2	M01125016LPA0	Screw M2.5*16 DIN 7985	6
3	M01125012LPA0	Screw M2.5x12 DIN 7985	22
4	M01125008LPA0	Screw M2.5x8 DIN 7985	16
5	M151250125AA0	Washer M2.5 DIN 125	44
6	M151250127EA0	Washer M2.5 DIN 127	44
7	1540109000050	Washer M2.5 NYLON	16
8	M01120010LPA0	Screw M2*10 DIN 7985	44
9	M151200125AA0	Washer M2 DIN 125	88
10	M151200127EA0	Washer M2 DIN 127	44
11	M101200934EA0	Nut M2 DIN 934	44
12	M01130006LPA0	Screw M3*6 DIN 7985	10
13	M151300125AA0	Washer M3 DIN 125	10
14	M151300127EA0	Washer M3 DIN 127	10
15	G251511502010	Foam Acrylic TAPE 15 mm	-

NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE SUBRACK 2 MOTHERBOARD:
x16 M2.5X8mm DIN 7985 + DIN 127 + DIN 125 + NYLON - CENTRADORES HEMBRA
x22 M2.5X12mm DIN 7985 + DIN 127 + DIN 125 - FIJACIÓN A SUBRACK 2
x6 M2.5X16mm DIN 7985 + DIN 127 + DIN 125 - RIGIZADORES
x44 M2X10mm DIN 7085 + DIN 127 + 2 DIN 125 + DIN 934 - CONECTORES SMB
x10 M3X6mm DIN 7985 + DIN 127 + DIN 125 - CONECTORES SUB-D

COMPROBAR QUE LA PCB SUBRACK 2 MOTHER BOARD TIENE MONTADAS LAS TRES TIRAS DE ESPUMA ADHESIVA PARA EVITAR CORTOCIRCU ITOS CON LOS RIGIZADORES.

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

SUBRACK 2 MOTHERBOARD ASSEMBLY:
x16 M2.5X8mm DIN 7985 + DIN 127 WASHER+ DIN 125 WASHER + NYLON - FEMALE POSITIONERS
x22 M2.5X12mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - MB TO SUBRACK 2
x6 M2.5X16mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - STIFFENERS 6U
x44 M2X10mm DIN 7085 + DIN 127 WASHER + 2 DIN 125 WASHER + DIN 934 NUT - SMB CONECTORS
x10 M3X6mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - SUB-D CONECTORS

CHECK THE THREE PROTECTIVE FOAM TAPES ARE FITTED ON SUBRACK 2 MOTHER BOARD PBA TO AVOID SHORT CIRCUITS AFTER MOUNTING MOTHER BOARD STIFFENERS

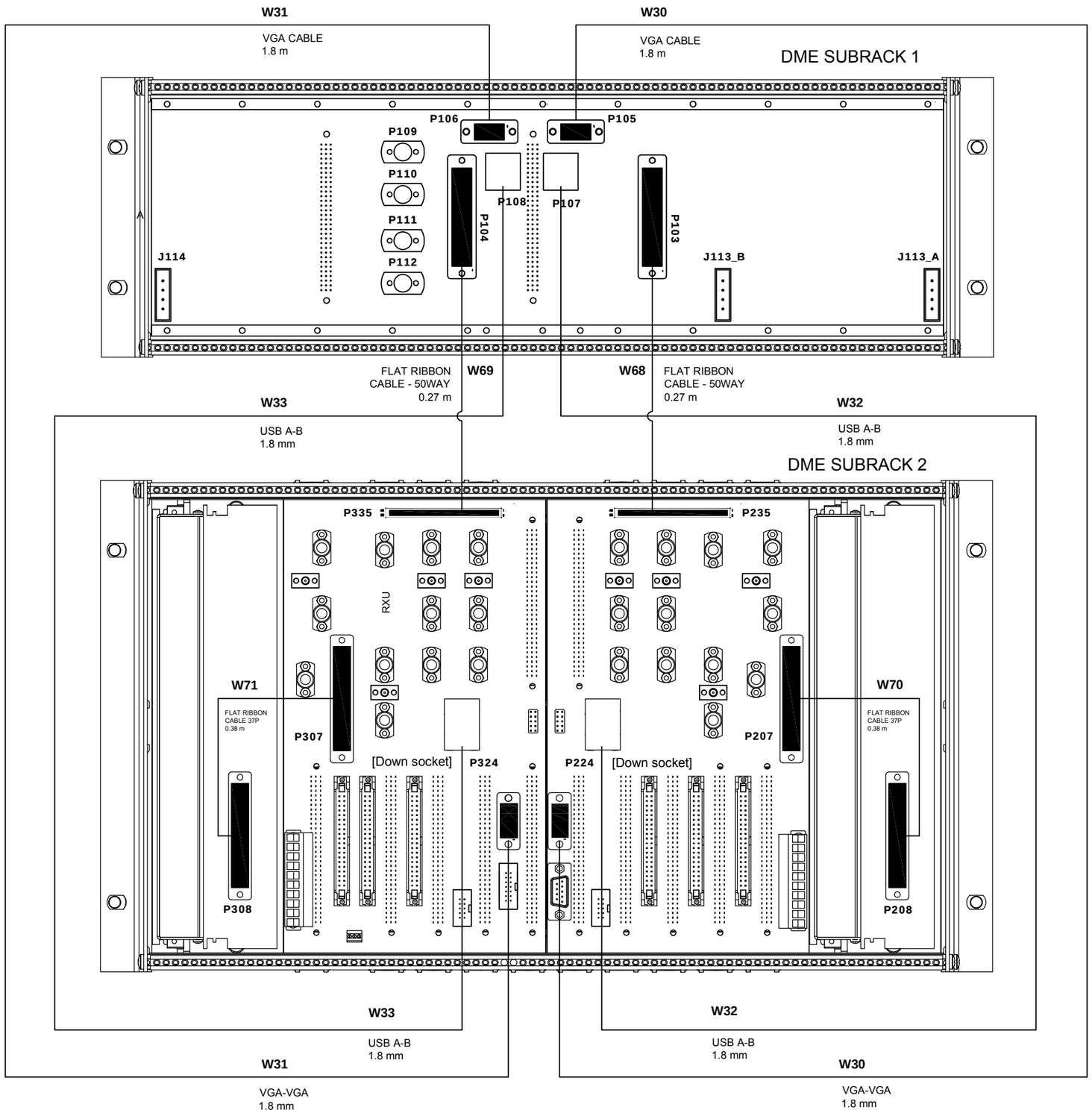
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indra	N° DE PLANO *DRAWING N°* 00634 2 00010 07		TIPO *TYPE* DE	ORD. 00	ED RV A2
	CLASIFICACIÓN *CLASSIFICATION*		N° CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 13 / 19		

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NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE CABLES ETH, VGA, USB:
x7 TORNILLOS M6X12 MM AUTOROSCABLES
x2 ABRAZADERAS TIPO NX-3 O EQUIVALENTE
x2 ABRAZADERAS TIPO NX-5 O EQUIVALENTE
x1 ABRAZADERA TIPO NX-6 TYPE O EQUIVALENTE
x2 ABRAZADERA TIPO NX-8 TYPE O EQUIVALENTE
x2 BASES DE BRIDA TORNILLO BLANCAS
x2 TORNILLOS M4X6 MM DIN 7985

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

ETH, VGA, USB WIRING ASSEMBLY:
x7 SCREWS M6X12 MM AUTO
x2 NX-3 PLASTIC CLIPS TYPE OR EQUIVALENT
x2 NX-5 PLASTIC CLIPS TYPE OR EQUIVALENT
x1 NX-6 PLASTIC CLIPS TYPE OR EQUIVALENT
x2 NX-8 PLASTIC CLIPS TYPE OR EQUIVALENT
x2 WHITE BASE-SCREW PLASTIC CLIP
x2 SCREWS M4X6 MM DIN 7985

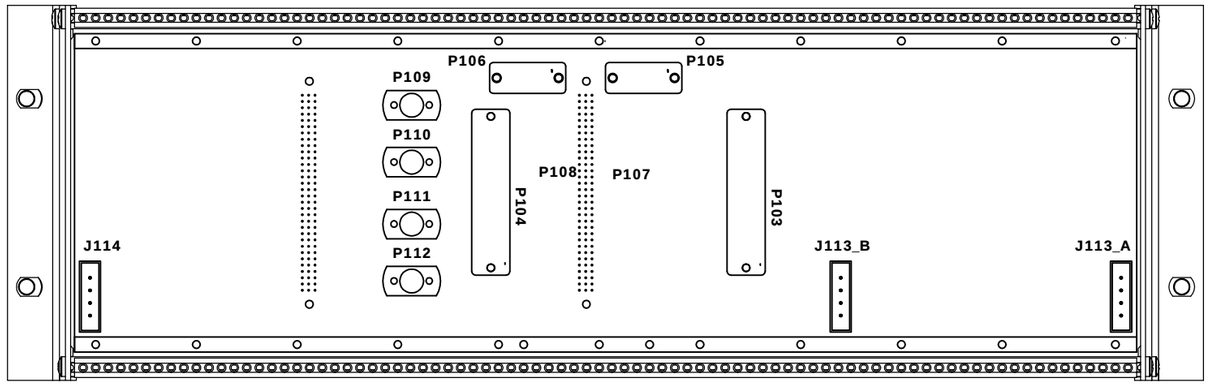
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	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 14 / 19		

FRM-A2-H1-INDRA
09-06-08

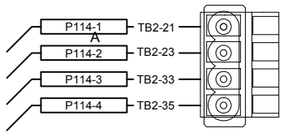
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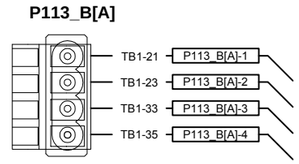
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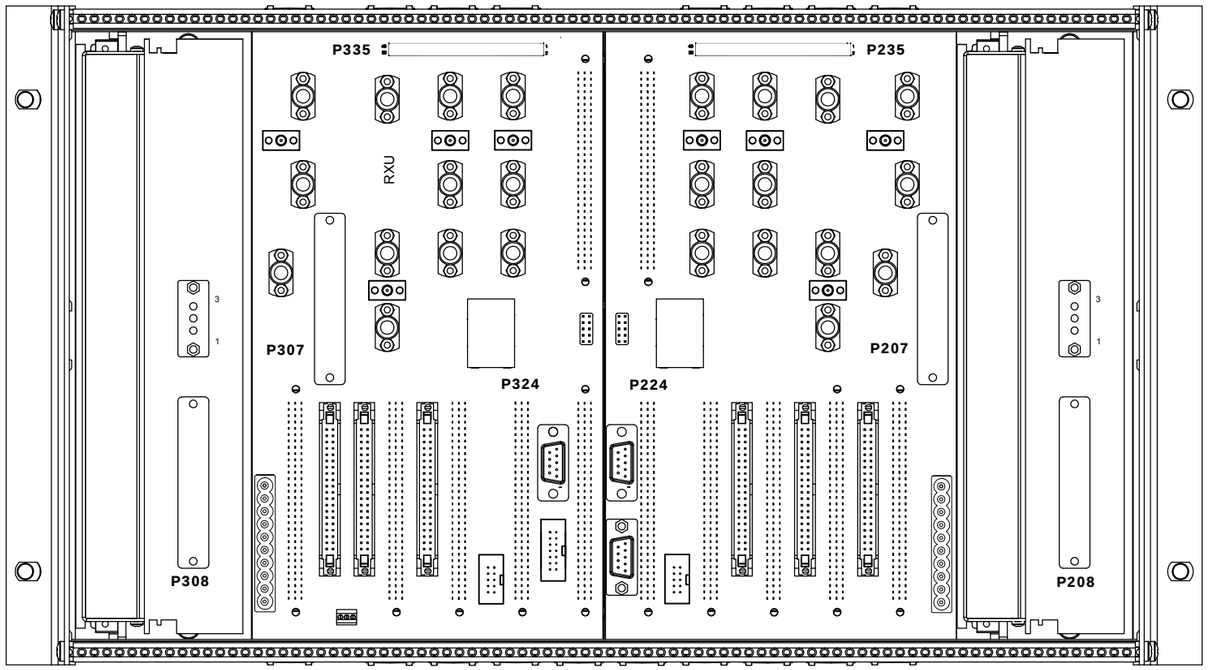
[From Interface Panel TB2
Left Hand Side Rear View]



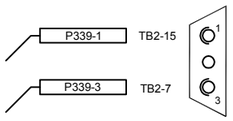
[From Interface Panel TB1
Right Hand Side Rear View]



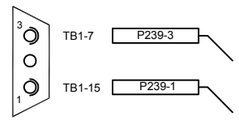
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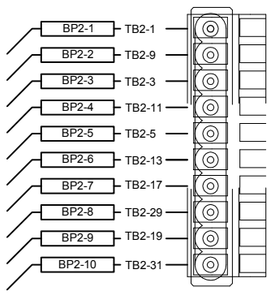
P339



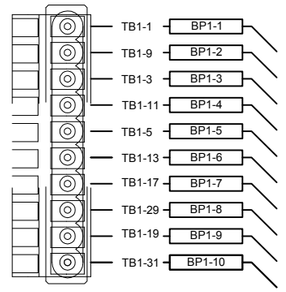
P239



P336



P236



NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

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INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 15 / 19		

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09-06-08

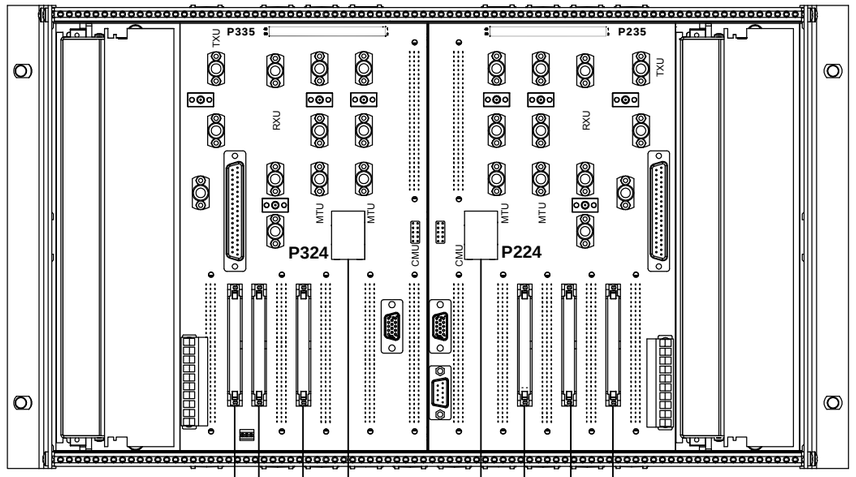
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DME SUBRACK 2

NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
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A

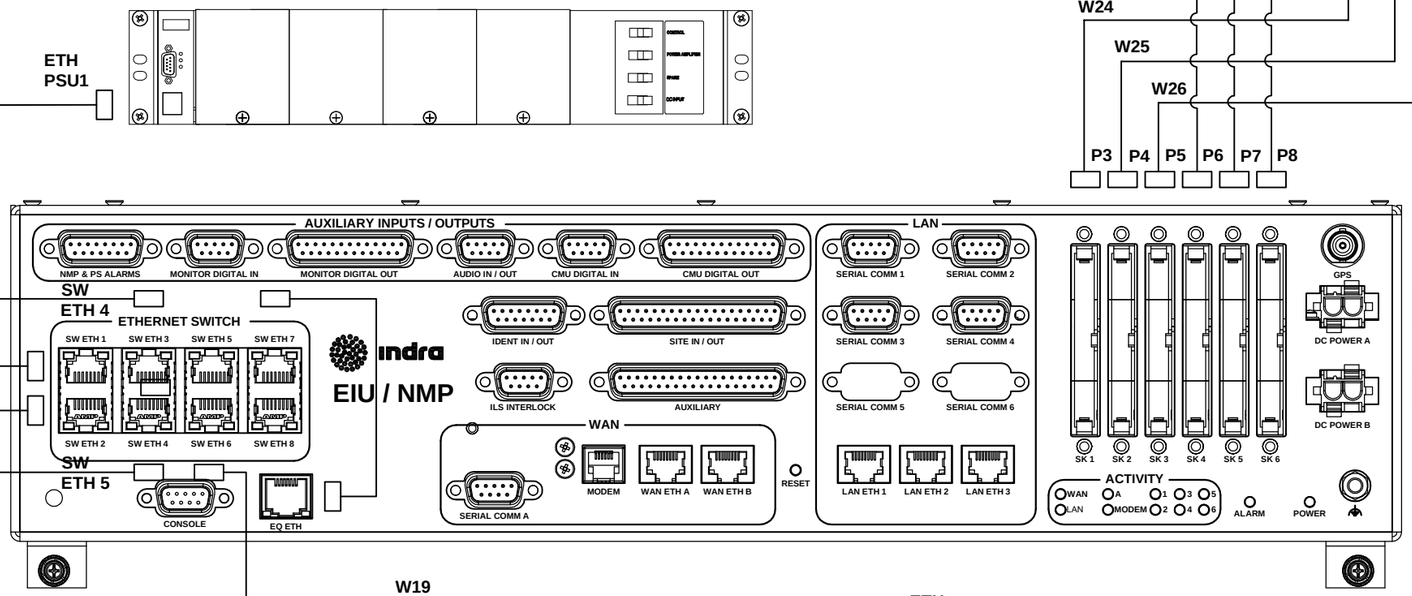


W20
W21
W29
W28
W27
W24
W25
W26
P3 P4 P5 P6 P7 P8

POWER SUPPLY 1 (PSU1) FOR DC INPUT

ETH
PSU1

W22



P1 — W17 — [From Interface Panel TB1]

P2 — W18 — [From Interface Panel TB2]

W23

W19

ETH
LOCAL

H16

ETH
PSU2

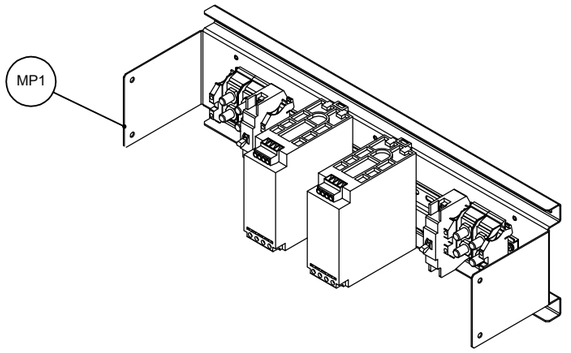
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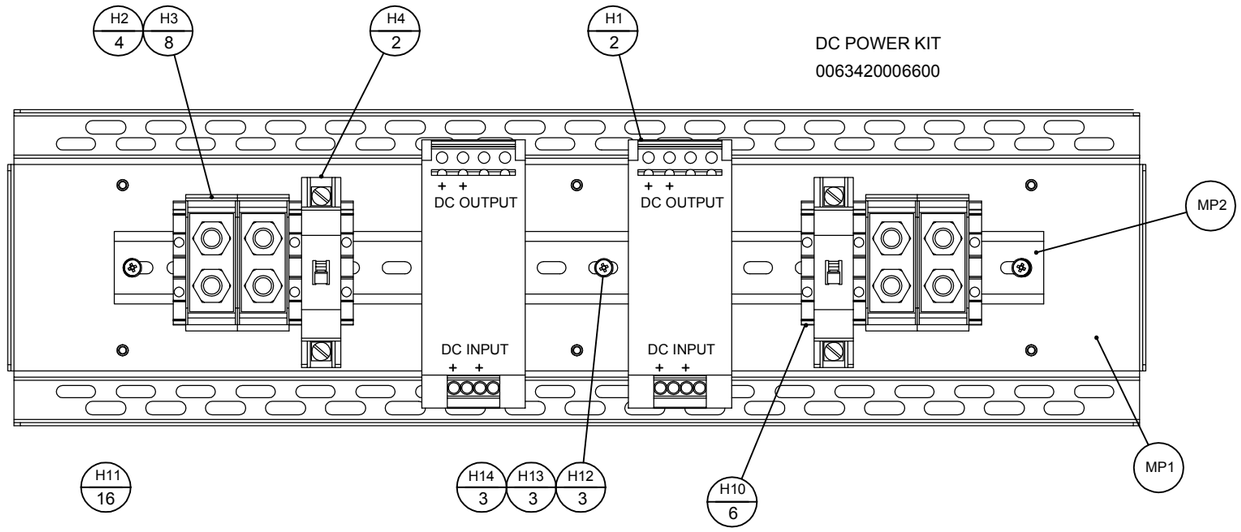
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	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
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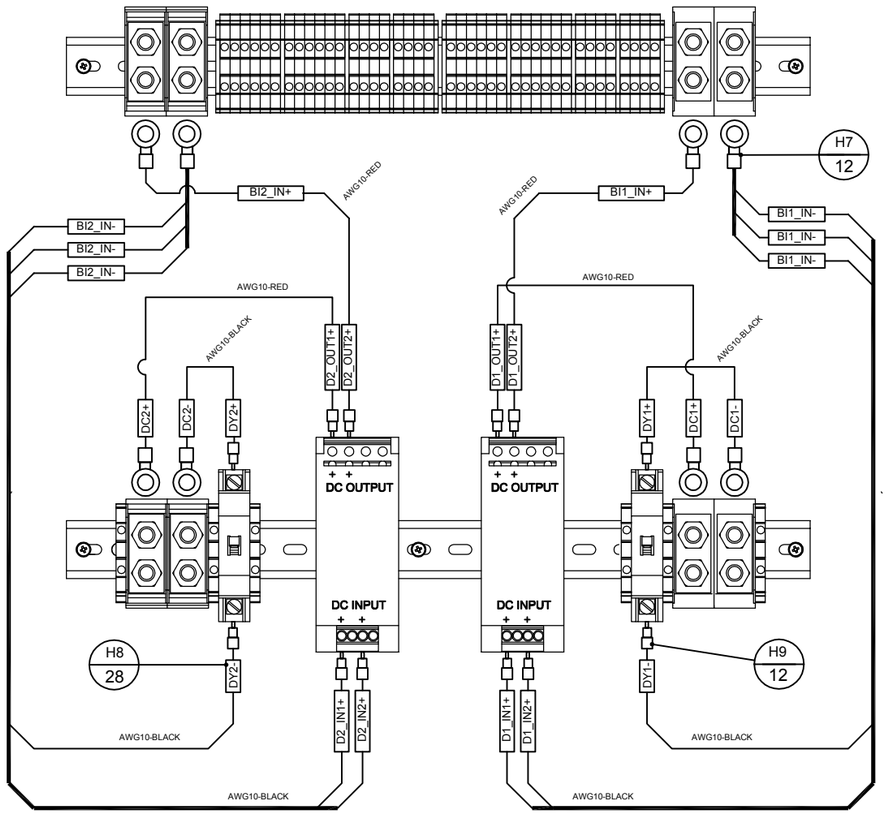
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INDRA SISTEMAS S.A.	N° DE PLANO *DRAWING N°*		TIPO *TYPE*	ORD.	ED RV
CAGE CODE 0177B / 0178B	00634 2 00010 07		DE	00	A2
	CLASIFICACIÓN *CLASSIFICATION*	Nº CONTRATO *CONTR. NUM*			
	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 17 / 19		

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DC POWER KIT
0063420006600

LEFT SIDE WIRING

TYPE - DESCRIPTION	LENGTH	MARKING	
AWG10 - RED	45 mm	DC1+	D1_OUT1+
AWG10 - BLACK	20 mm	DC1-	DY1+
AWG10 - BLACK	75 mm	D1_IN1+	BI1_IN-
AWG10 - BLACK	75 mm	D1_IN2+	BI1_IN-
AWG10 - RED	30 mm	D1_OUT2+	BI1_IN+
AWG10 - BLACK	65 mm	DY1-	BI1_IN-

RIGHT SIDE WIRING

TYPE - DESCRIPTION	LENGTH	MARKING	
AWG10 - RED	45 mm	DC2+	D2_OUT1+
AWG10 - BLACK	20 mm	DC2-	DY2+
AWG10 - BLACK	75 mm	D2_IN1+	BI2_IN-
AWG10 - BLACK	75 mm	D2_IN2+	BI2_IN-
AWG10 - RED	30 mm	D2_OUT2+	BI2_IN+
AWG10 - BLACK	65 mm	DY2-	BI2_IN-

NOTAS:

1 .- LENGTH INDICATES APPLY TO A TOLERANCE OF 2.5%. THE REFINE YOUR CABLE MEASURES CORRESPONDING TO THE CABLES EXTENDED.
2 .- WELDING COMPONENTS AS IPC / EIA J-STD-001C
3 .- ALL WIRE ARE AWG10 TYPE UNLESS SPECIFIED OTHERWISE
4 .- MARK AS SHOWN CHARACTERS WITH HEIGHT 2.3mm.

NOTAS:

1.- APLICAR A LAS LONGITUDES INDICADAS UNA TOLERANCIA DEL 2.5%. LAS MEDIDAS DE LOS CABLES ACOTADAS CORRESPONDEN A LOS CABLES EXTENDIDOS.
2.- SOLDAR COMPONENTES SEGUN IPC/EIA J-STD-001C
3.- CABLES SON TIPO AWG 10 SALVO QUE SE ESPECIFIQUE LO CONTRARIO
4.- MARCAR SEGUN SE INDICA CON CARACTERES DE 2.3mm DE ALTURA.

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indra	N° DE PLANO *DRAWING N°* 00634 2 00010 07		TIPO *TYPE* DE	ORD. 00	ED RV A2
INDRA SISTEMAS S.A.	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 18 / 19		

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0063420005100

POWER SUPPLY 2 (PSU2)

[Down]

PSU2 FEED

W08

1,5 MM2 - 0.85 M

DB37-13 DB37-31 DB37-12 DB37-10 DB37-28 DB37-9 DB37-11 DB37-29

12 11 10 9 8 7 6 5 4 3 2 1

NC C NO NC C NO NC C NO NC C NO

K4 K3 K2 K1

PSU - NMP AUXILIARY

AUXILIARY

0063420005100

POWER SUPPLY 1 (PSU1)

[Up]

PSU1 FEED

W03

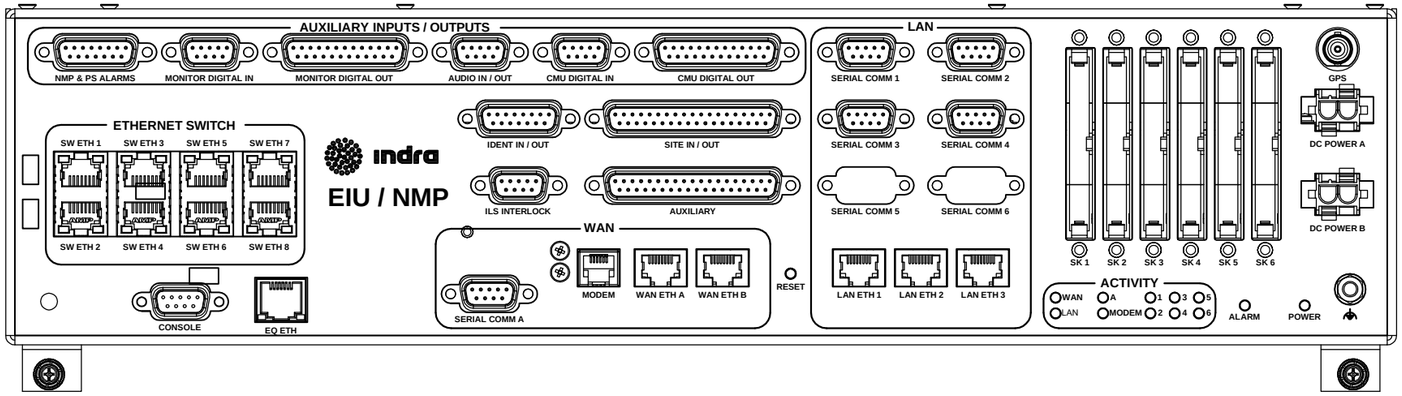
1,5 MM2 - 0.85 M

DB37-1 DB37-20 DB37-2 DB37-4 DB37-23 DB37-5 DB37-3 DB37-22

12 11 10 9 8 7 6 5 4 3 2 1

NC C NO NC C NO NC C NO NC C NO

K4 K3 K2 K1



NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

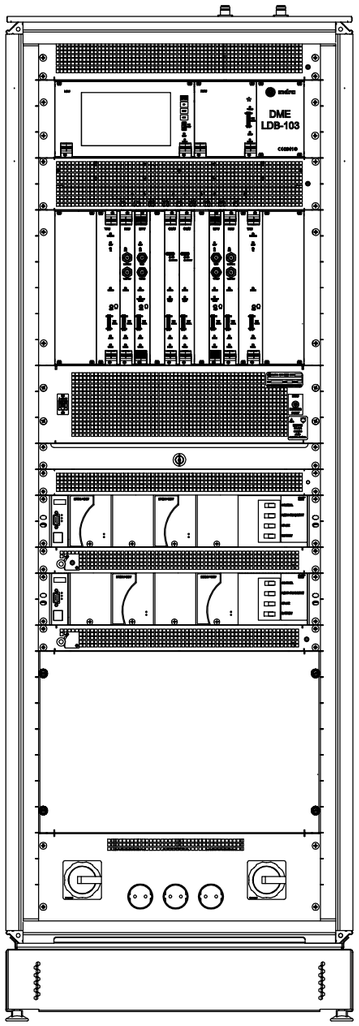
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INDRA SISTEMAS S.A.				
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 19 / 19	

4.2.2 LOW POWER DME CABINET [0063420001008]

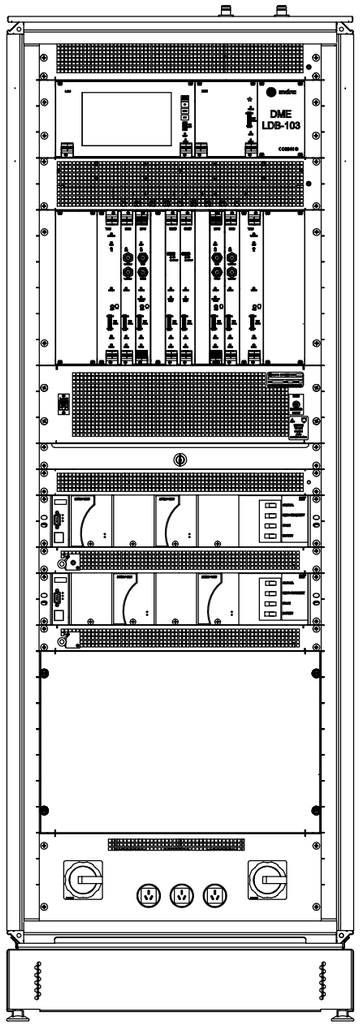
DME CABINET drawings [0063420001008DE00]

(16 pages attached)

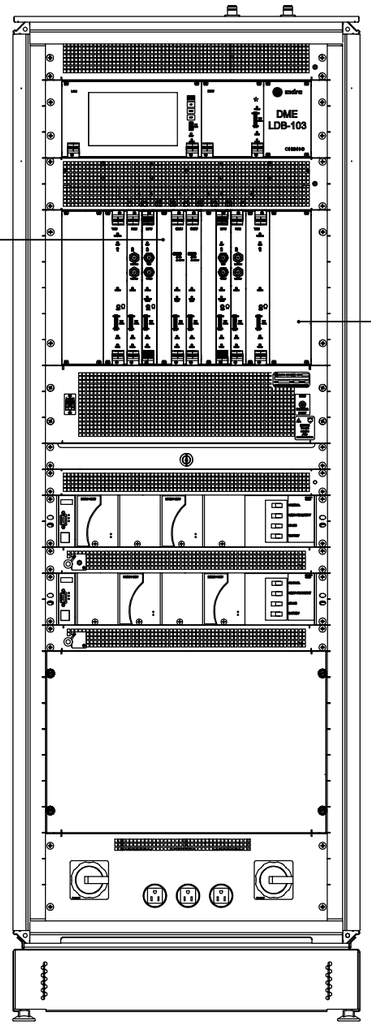
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A1	REVISIÓN / REVIEW	PCI Nº.0063420001008PC02	aspro	30-07-12	
A2	REVISIÓN / REVIEW	PCI Nº.0063420001008PC03	aspro	06-03-13	
A3	REVISIÓN / REVIEW	PCI Nº.0063420001008PC04	mgreguera	05-12-13	



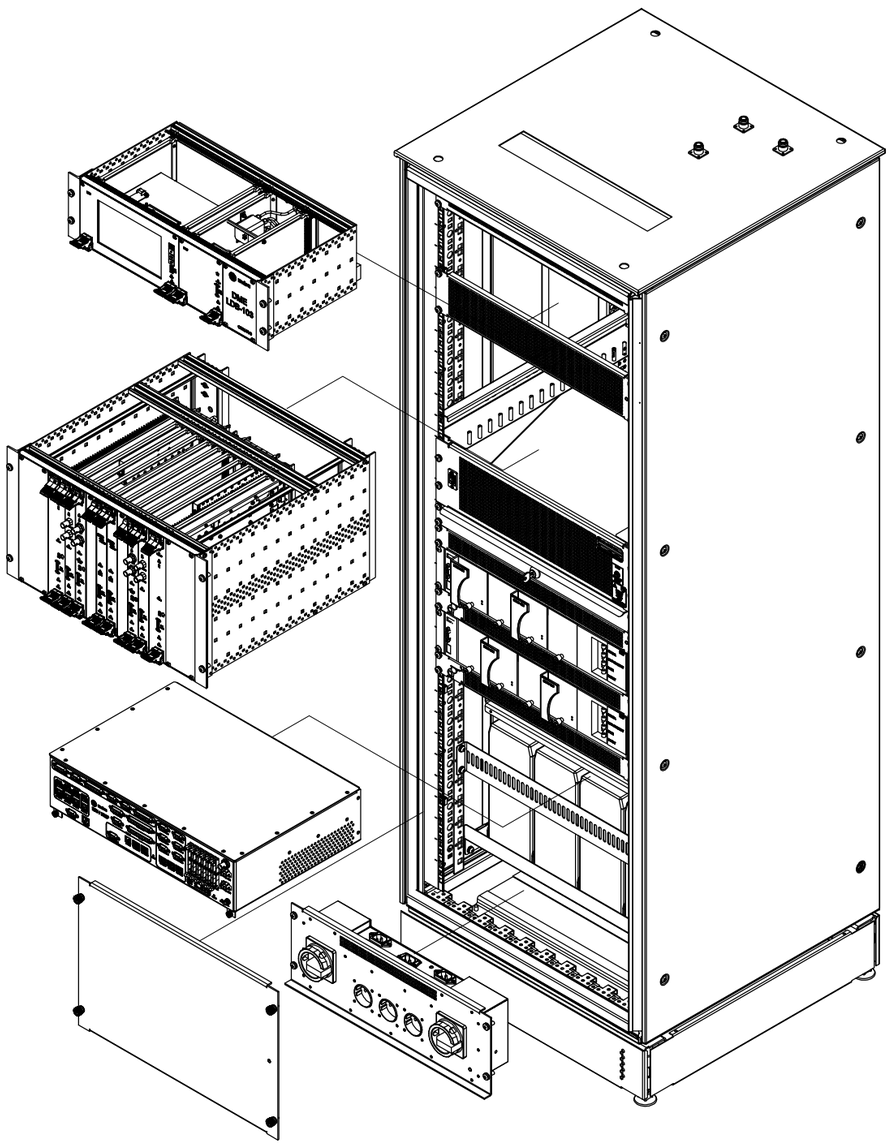
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DME LDB-103 100 W / DUAL SYSTEM
2 MONTORS - SP



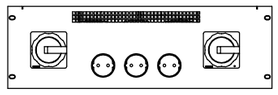
MODEL .08
DME LDB-103 100 W / DUAL SYSTEM
2 MONTORS - AU/NZ



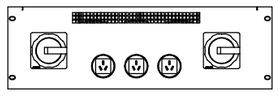
MODEL .13
DME LDB-103 100 W / DUAL SYSTEM
2 MONTORS - USA



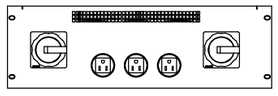
DETALLE / DETAIL
AC INPUT BOX [SP] - 0063400001301



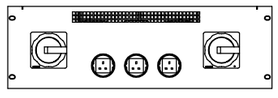
DETALLE / DETAIL
AC INPUT BOX [AU/NZ] - 0063400001302



DETALLE / DETAIL
AC INPUT BOX [USA] - 0063400001303



DETALLE / DETAIL
AC INPUT BOX [UK] - 0063400001304



NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

ED/RV DE HOJAS / *ED/RV OF SHEETS*						
18		12	A3	6	A3
17		11	A3	5	A3
16	A3	10	A3	4	A3
15	A3	9	A3	3	A3
14	A3	8	A3	2	A3
13	A3	7	A3	1	A3

TOLERANCIAS GENERALES S/NORMA / *GENERAL TOLERANCES P/NORME*: ISO 2768-mK

ARISTAS MATADAS CON R.-0,3 O CHAFLANES DE 0,3x45° / *BREAK ALL SHARP EDGES WITH R.-0,3 OR CHAMFER OF 0,3x45°*

LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD / *CAD MAINTENANCE*

MODEL:

CAD:

MATERIAL *MATERIAL*

TRATAMIENTO *TREATMENT*

ACABADO *FINISH*

RUG.SUP. *ROUGHNESS*

	PREP. *PREP*	REV. *CHECK*	APROB. *APVD*	AUTO. *AUTH*
NOMBRE *NAME*	mgreguera	jlsbuendia	jblazquez	pbravo
FECHA *DATE*	29-11-13	29-11-13	29-11-13	29-11-13

indra
INDRA SISTEMAS S.A.
CAGE CODE 0177B / 0178B

DENOMINACION / *TITLE*: DME CABINET [FC][LP][DUAL MONITOR]

Nº DE PLANO / *DRAWING NUM*	TIPO / *TYPE*	ORD.	ED/RV
00634 2 00010 08	DE	00	A3

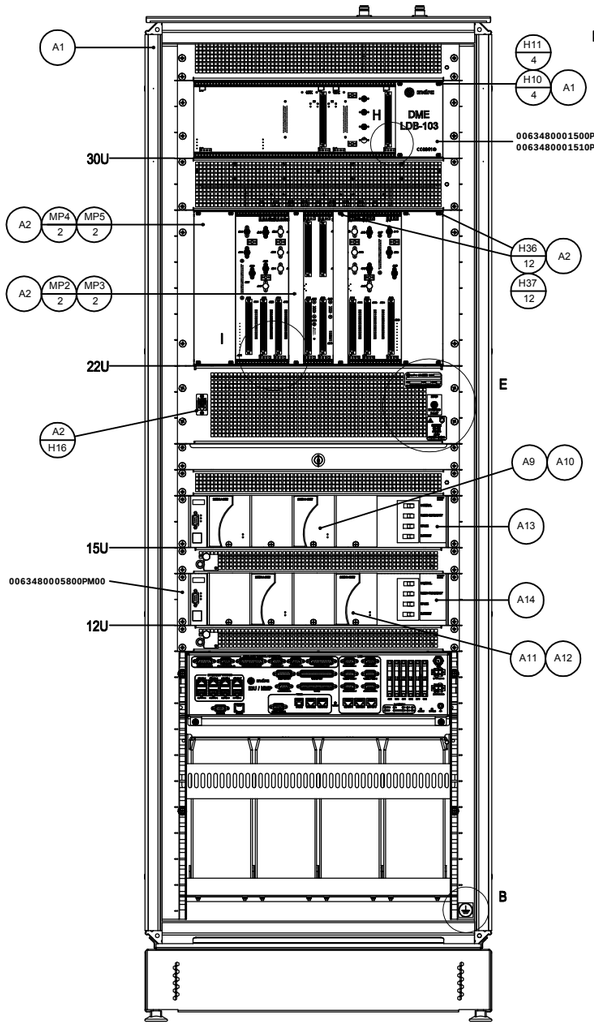
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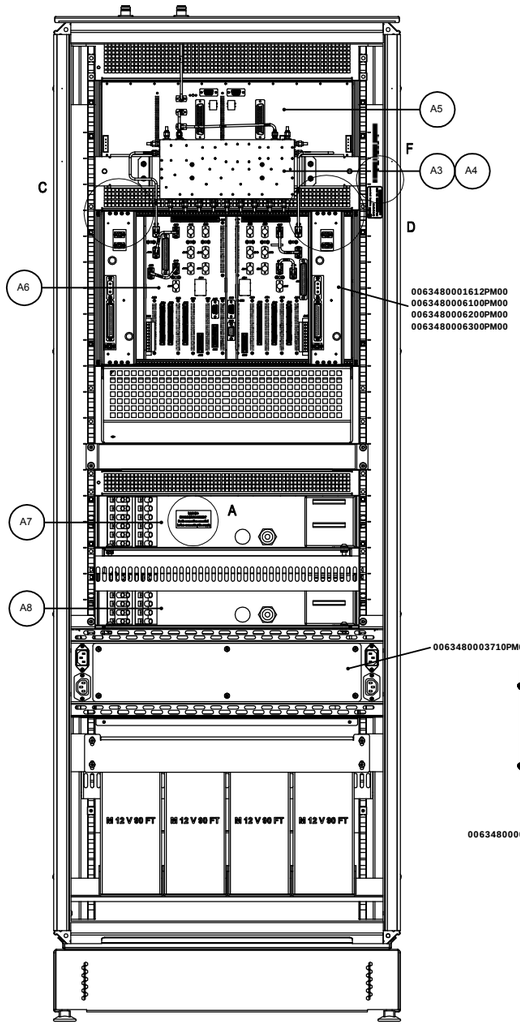
ESCALA / *SCALE*: N / S — FORMATO / *SIZE*: A1 — HOJA / *SHEET*: 1 / 16

FRM-A1-H1-INDRA
09-06-08

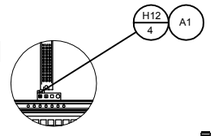
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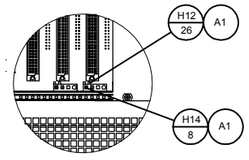


H



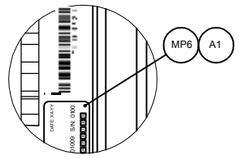
DETALLE H
ESCALA 1 : 2

G

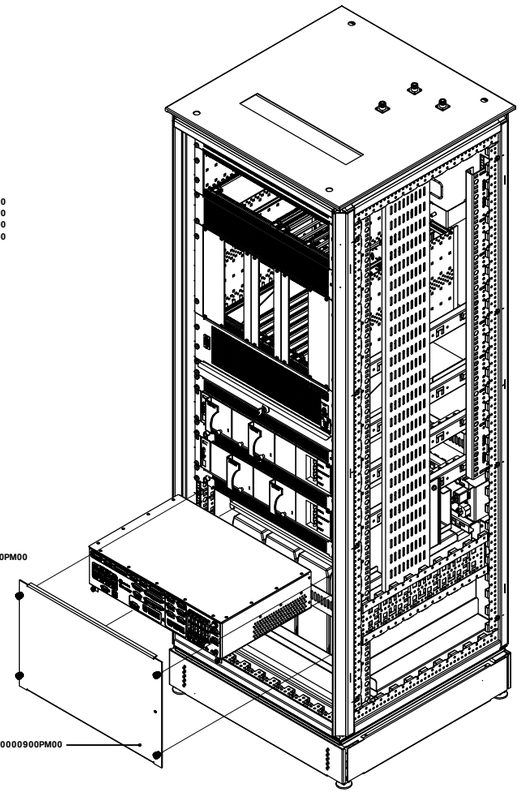


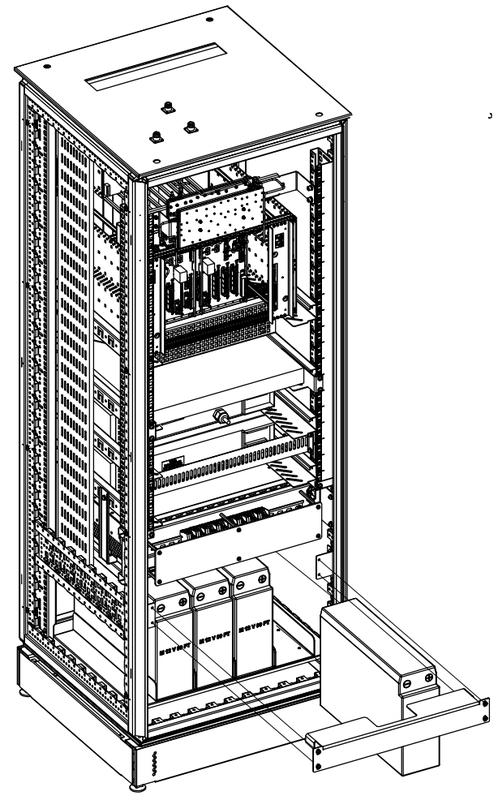
DETALLE G
ESCALA 1 : 2

F



DETALLE F
ESCALA 1 : 2





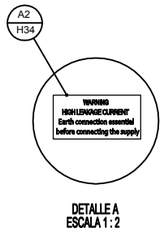
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0063420001100	A1	METALWORKS
0063420001202	A2	MISCELLANEOUS [LP][2 MTU]
0063430002000	A3, A4	RFS SHELF
0063430003000	A5	SUBRACK 1 MOTHERBOARD
0063430005700	A6	SUBRACK 2 MOTHERBOARD
0063420006200	A7, A8	POWER SUPPLY SUBRACK UNIT LRU
0063420005500	A9-A12	RECTIFIER MODULE LRU
0063420006300	A13, A14	BREAKERS SET LRU

NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

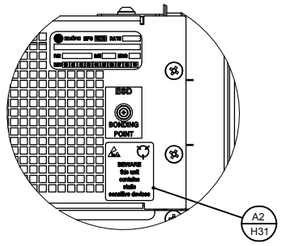
NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00



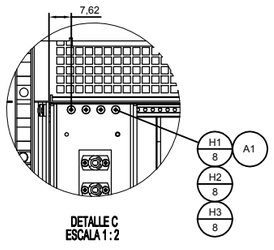
DETALLE B
ESCALA 1 : 2



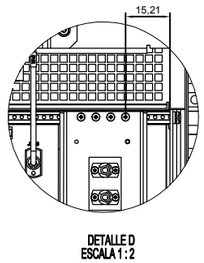
DETALLE A
ESCALA 1 : 2



DETALLE E
ESCALA 1 : 2



DETALLE C
ESCALA 1 : 2

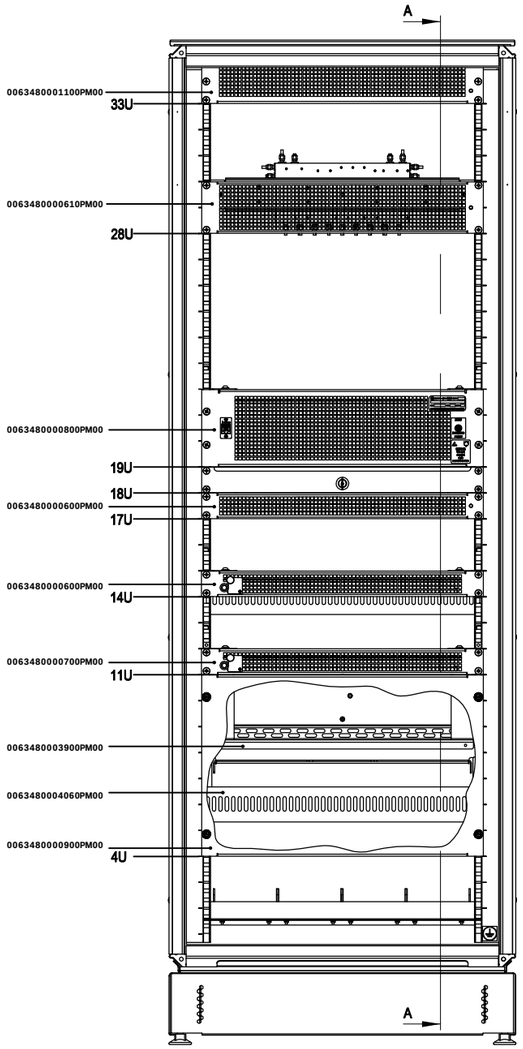


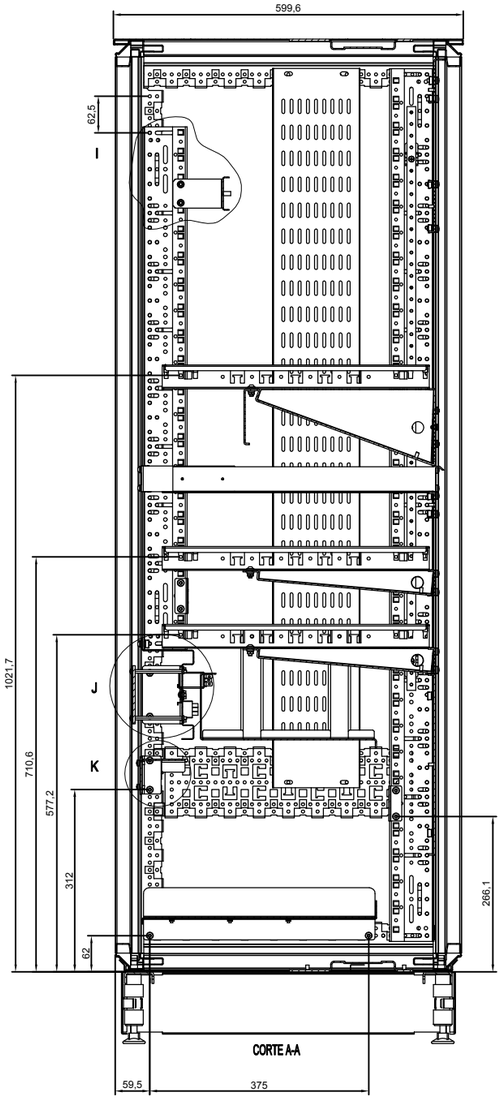
DETALLE D
ESCALA 1 : 2

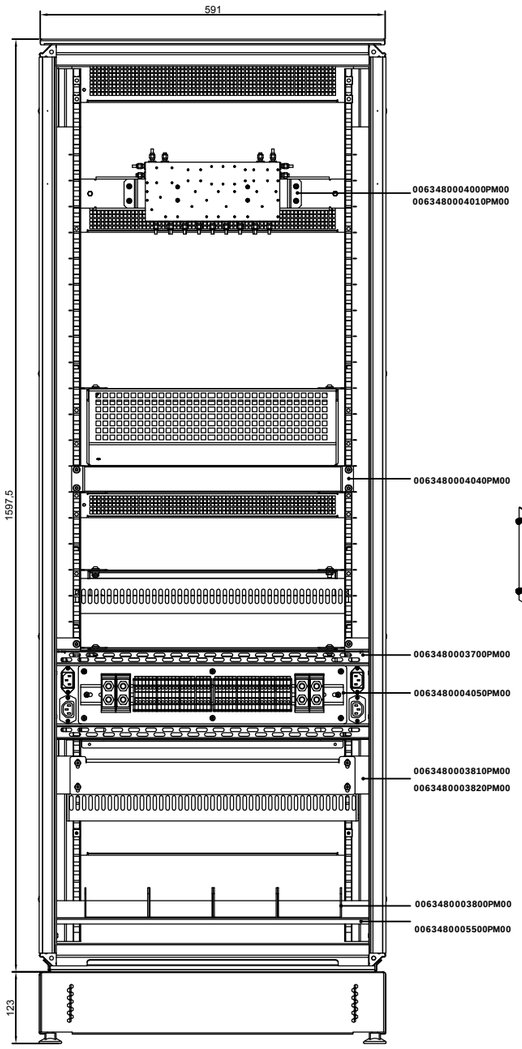
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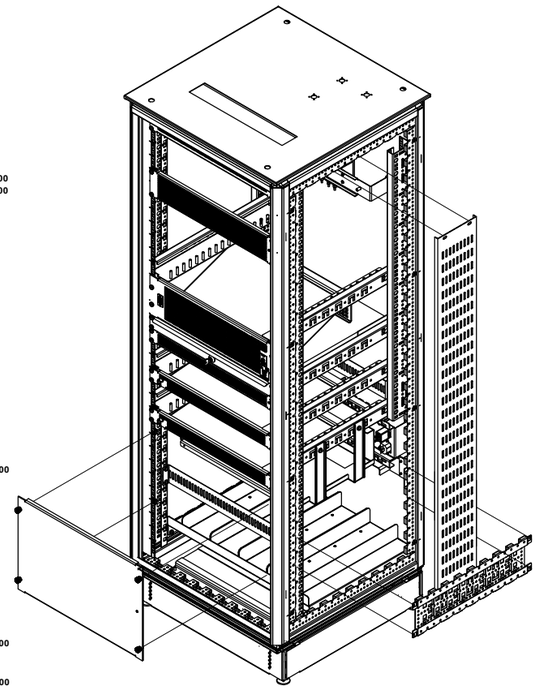
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	CLASIFICACIÓN / CLASSIFICATION		Nº CONTRATO		CONTR. NUM
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA / SCALE N/S	FORMATO / SIZE A1	HOJA / SHEET 2 / 16		

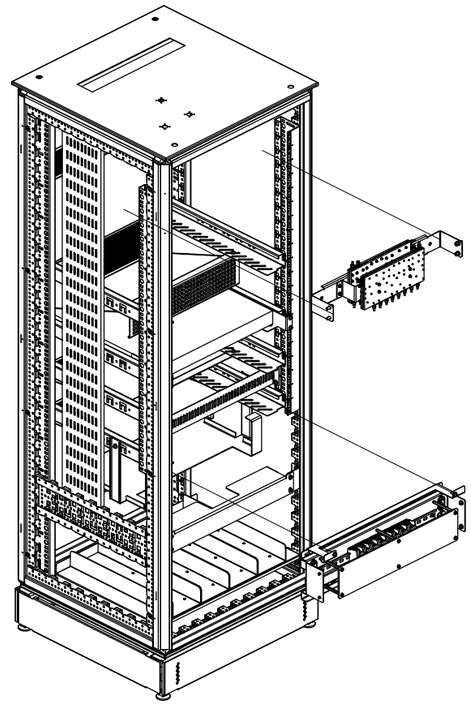
FRM-A1-H1-INDRA
09-06-08







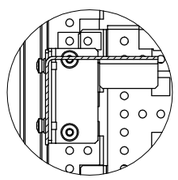


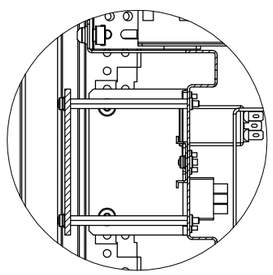


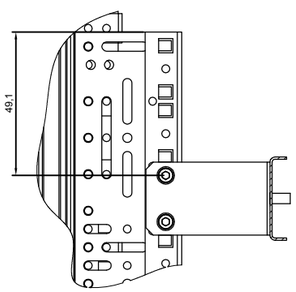
NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

A1	0063420001100	METALWORKS	1
1	M01130010LPA0	Screw M3*10 DIN 7985	2
2	M01140008LPA0	Screw M4*8 DIN 7985	6
3	M01150012LPA0	Screw M5*12 DIN 7985	4
4	M01160016LPA0	Screw M6*16 DIN 7985	16
5	M151300125LA0	Washer M3 DIN 125	2
6	M151300127EA6	Washer M3 DIN 127	2
7	M151400125ARS	Washer M4 DIN 125	30
8	M151500125AA0	Washer M5 DIN 125	13
9	M151500127EA0	Washer M5 DIN 127	13
10	M151600127EA6	Washer M6 DIN 127	112
11	M151400127EA6	Washer M4 DIN 127	30
12	M101400934EA0	Nut M4 DIN 934	24
13	M101500934EA0	Nut M5 DIN 934	9
14	1502516016001	Screw Allen M6x16 ISO7380	100
15	M151600125AA0	Washer M6 DIN 125	68
16	1883000260000	GND Point	1
17	1237714523000	Faston terminal M6.3 45°	14
18	1235026153000	PANEL PASACAB PERF 27U	1
19	0063420006400	Conj. Rack Metalworks	1
20	M151300125AA0	Washer M3 DIN 125	26
21	M151300127EA0	Washer M3 DIN 127	26
22	M151400125AA6	Washer M4 DIN 125	7
23	M151400127EA6	Washer M4 DIN 127	7
24	M01130018LPA0	Screw M3*18 DIN 7985	8
25	M01140008LPA0	Screw M4*8 DIN 7985	7
26	1701501980000	Rack Varistar 1600x600	1
27	M151506798JA0	Washer M5 DIN 6798	28
28	M01125008LPA0	Screw M2.5*8 DIN 7985	16
29	1709981061000	Clip ESD PIN	30
30	1229990750000	GND Lead P/19"	2
31	M01120008LPA0	Screw M2*8 DIN 7985	12
32	M151250125AA0	Washer M2.5 DIN 125	16
33	M151250127EA0	Washer M2.5 DIN 127	16
34	M151200125AA0	Washer M2 DIN 125	12
35	M151200127EA0	Washer M2 DIN 127	12
36	1509909012021	Screw M2.5*12.3 RAN	8
37	1589990340000	Sleeve 5.9 mm - L=3.3 mm	8
38	1701501980000	Coding PIN. Ref. H10	8
39	M01130012LPA0	Screw M3*12 DIN 7985	10
40	M01130006LPA0	Screw M3*6 DIN 7985	8







DETALLE I
ESCALA 1:2

DETALLE / DETAIL:
0063420006400
CONJ. RACK METALWORK PARTS

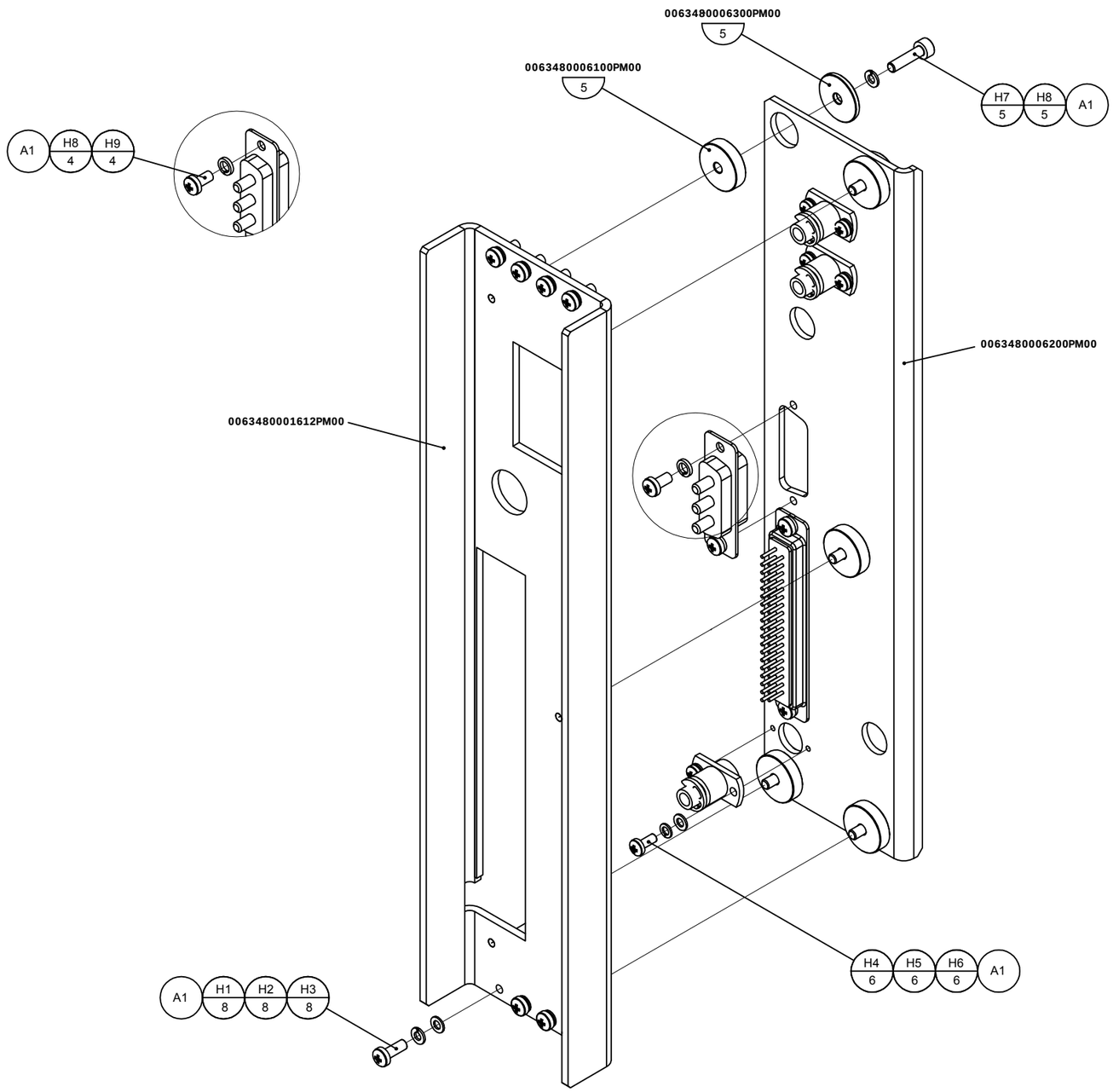
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	00634 2 00010 08		DE	00	A3
	CLASIFICACIÓN / CLASSIFICATION		Nº CONTRATO / CONTR. NUM		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA / SCALE	N/S	FORMATO / SIZE	A1	HOJA / SHEET 3 / 16

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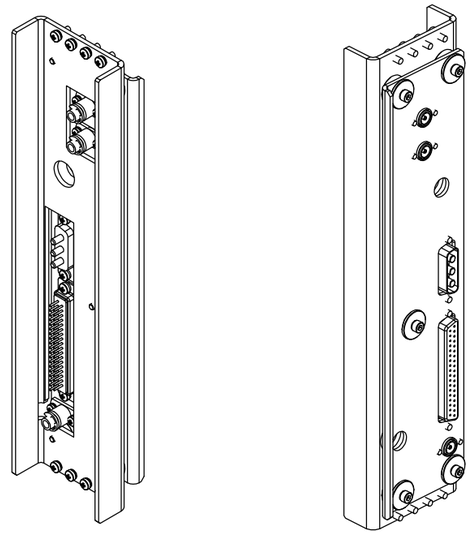
FRM-A1-H1-INDRA
09-06-08

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CONNECTOR PLATE FLOATING



NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE LAS DOS PIEZAS CONNECTOR PLATE FLOATING :
x10 M3X12mm DIN 7985 + DIN 127 + DIN 125 - HPA FLOATING CAPS
x8 M3X6 DIN 7985 + DIN 127 + DIN 125 - CONECTORES SUB-D
x16 M2.5X8mm DIN 7985 + DIN 127 + DIN 125 - HPA CONNECTOR SUPPORT
x12 M2X6mm DIN 7985 + DIN 127 + DIN 125 - CONECTORES SMB CUANDO 0063420001009 [HP]

NOTES:

REFER TO ASSEMBLY DOCUMENT 00634200010O9DM00

CONNECTOR PLATE FLOATING PARTS, LHS AND RHS, ASSEMBLY:
x10 M3X12mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - HPA FLOATING CAPS
x8 M3X6mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - SUB-D CONNECTORS
x16 M2.5X8mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - HPA CONNECTOR SUPPORT
x12 M2X6mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - SMB CONNECTORS WHEN 0063420001009 [HP]

indra	Nº DE PLANO *DRAWING Nº* 00634 2 00010 08		TIPO *TYPE* DE	ORD. 00	ED RV A3
	CLASIFICACIÓN	*CLASSIFICATION*	Nº CONTRATO		*CONTR. NUM*
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 4 / 16		

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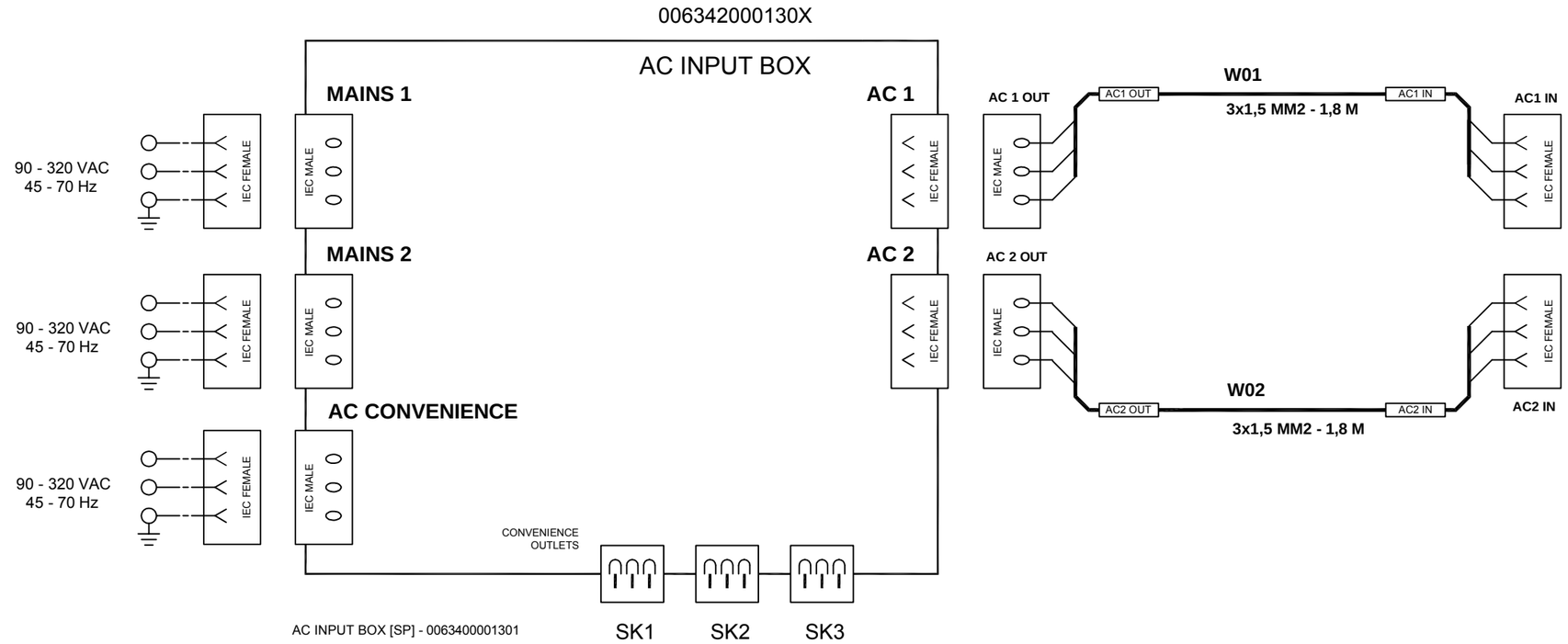
PARA TERMINALES / FOR TERMINALS

H6	H7	H8	H9	H10	H11	H12	H13	H14	H15	H22	H23
1	12	8	14	22	8	10	10			3	12

PARA CABLES / FOR WIRES

H25	H26	H27
16	16	16

0063420001202	MISCELLANEOUS [LP][2 MTU] WIRING
0063440001110 to 1160	Cable Assembly W01 to W06
0063440001160 to 1210	Cable Assembly W08 to W11
0063440001230 to 1460	Cable Assembly W13 to W36
0063440001480 to 1590	Cable Assembly W38 to W49
0063440001630 to 1720	Cable Assembly W53 to W62
0063440001760 to 1860	Cable Assembly W66 to W76



AC INPUT BOX [SP] - 0063400001301

AC INPUT BOX [AU/NZ] - 0063400001302

AC INPUT BOX [USA] - 0063400001303

AC INPUT BOX [UK] - 0063400001304

NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

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indra	N° DE PLANO *DRAWING N°* 00634 2 00010 08		TIPO *TYPE* DE	ORD. 00	ED RV A3
	CLASIFICACIÓN	*CLASSIFICATION*	Nº CONTRATO	*CONTR. NUM*	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 5 / 16		

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0063420005100

POWER SUPPLY 2 (PSU2) [Down]

PSU2 FEED

LOAD LOAD BATTERY BATTERY LOAD COMMON LOAD COMMON LOAD COMMON LOAD COMMON BATTERY COMMON BATTERY COMMON

1 2 3 4 5 6 7 8 9 10 11 12

TB2-18 TB2-2 BI2-OUT1+ BI2-OUT2+ TB2-10 TB2-30 BI2_OUT1- BI2_OUT2-

PS2-1 PS2-2 PS2-5 PS2-6 PS2-7 PS2-8 PS2-11 PS2-12

W08 — 1.5 MM2 - 0.85 M

W09

W10

BI2_OUT1+ AWG10-RED
BI2_OUT2+ AWG10-BLACK
BI2_OUT1- AWG10-RED
BI2_OUT2- AWG10-BLACK

0063420005100

[Up] POWER SUPPLY 1 (PSU1)

PSU1 FEED

BATTERY COMMON BATTERY COMMON LOAD COMMON LOAD COMMON LOAD COMMON LOAD COMMON BATTERY BATTERY LOAD LOAD

12 11 10 9 8 7 6 5 4 3 2 1

BI1_OUT2- BI1_OUT1- TB1-30 TB1-10 BI1-OUT2+ BI1-OUT1+ TB1-2 TB1-18

PS1-12 PS1-11 PS1-8 PS1-7 PS1-6 PS1-5 PS1-2 PS1-1

W03 — 1.5 MM2 - 0.85 M

W05

W04

AWG10-RED BI1_OUT1+
AWG10-BLACK BI1_OUT2+
AWG10-RED BI1_OUT1+
AWG10-BLACK BI1_OUT2+

H3 40 H30 H17 4 H2 5

INTERFACE PANEL TB2 [Left Hand Side Rear View]

INTERFACE PANEL TB1 [Right Hand Side Rear View]

PS2-5 PS2-6 PS2-11 PS2-12 P2 N2 P1 N1

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40

PS1-5 PS1-6 PS1-11 PS1-12 P2 N2 P1 N1

PS2-2 PS2-7 PS2-1 PS2-8 PS1-2 PS1-7 PS1-2 PS1-8

H4 10 H35 4 H5 4

TB2-2 TB2-10 TB2-18 TB2-30 TB1-2 TB1-10 TB1-18 TB1-30

W09 W04

AWG10-RED AWG10-BLACK AWG10-RED AWG10-BLACK AWG10-RED AWG10-BLACK AWG10-RED AWG10-BLACK

W08 W03

AC PSU2 AC PSU21

AC PSU2 PSU2 IEC MALE IEC FEMALE

H1 2 AC2 IEC MALE FILTERED

W76

3x1,5 mm2
BLUE - BROWN - YELLOW/GREEN

PSU1 AC PSU1 IEC FEMALE IEC MALE

AC1 IEC MALE FILTERED

H1 2

W76

3x1,5 mm2
BLUE - BROWN - YELLOW/GREEN

MISCELLANEOUS

0063420001202

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

x2 ABRAZADERAS TIPO NX-3 O EQUIVALENTE
x2 TUERCAS ENJAULADA M6
x4 TORNILLOS M6X16 MM + DIN 125 WASHER + DIN 127 WASHER

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

x2 NX-3 PLASTIC CLIPS TYPE OR EQUIVALENT:
x2 CAGE NUTS M6
x4 SCREWS M6X16 MM + DIN 125 WASHER + DIN 127 WASHER

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 08		TIPO *TYPE* DE	ORD. 00	ED RV A3
INDRA SISTEMAS S.A.	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 6 / 16		

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0063420005100

POWER SUPPLY 2 (PSU2) [Down]

PSU2 FEED

LOAD LOAD BATTERY BATTERY LOAD COMMON LOAD COMMON LOAD COMMON LOAD COMMON BATTERY COMMON BATTERY COMMON

1 2 3 4 5 6 7 8 9 10 11 12

BI2-OUT1+ BI2-OUT2+ BI2_OUT1- BI2_OUT2-

PS2-5 PS2-6 PS2-11 PS2-12

W08 1,5 MM2 - 0.85 M

W10

BI2_OUT1+ AWG10-RED
BI2_OUT2+ AWG10-BLACK
BI2_OUT1- AWG10-RED
BI2_OUT2- AWG10-BLACK

0063420005100

[Up] POWER SUPPLY 1 (PSU1)

PSU1 FEED

BATTERY COMMON BATTERY COMMON LOAD COMMON LOAD COMMON LOAD COMMON LOAD COMMON BATTERY BATTERY LOAD LOAD

12 11 10 9 8 7 6 5 4 3 2 1

BI1_OUT2- BI1_OUT1- BI1-OUT2+ BI1-OUT1+

PS1-12 PS1-11 PS1-6 PS1-5

W05

BI1_OUT1- AWG10-RED
BI1_OUT2- AWG10-BLACK
BI1_OUT1+ AWG10-RED
BI1_OUT2+ AWG10-BLACK

W03 1.5 MM2 - 0.85 M

H30 H17 4

0063480003700PM00

INTERFACE PANEL TB2 [Left Hand Side Rear View]

INTERFACE PANEL TB1 [Right Hand Side Rear View]

PS2-5 PS2-6 PS2-11 PS2-12 P2 N2 P1 N1

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40

PS1-5 PS1-6 PS1-11 PS1-12 P2 N2 P1 N1

BTT2+ BTT2- BTT1+ BTT1-

BI2_IN1+ BI2_IN1- BI1_IN1+ BI1_IN2-

W08 AC PSU2

W11 AWG10-RED AWG10-BLACK

W06 AWG10-RED AWG10-BLACK

W03 AC PSU1

MISCELLANEOUS
0063420001202

AC PSU2 IEC MALE

PSU2 IEC FEMALE

AC2 IEC MALE FILTERED

W76 3x1,5 mm2 BLUE - BROWN - YELLOW/GREEN

BI2_IN1- BI2_IN1+ BTT2- BTT2+

M12V90FT - M12V90FT +

BI1_IN1- BI1_IN1+ BTT1- BTT1+

M12V90FT - M12V90FT +

PSU1 IEC FEMALE

AC PSU1 IEC MALE

AC1 IEC MALE FILTERED

W76 3x1,5 mm2 BLUE - BROWN - YELLOW/GREEN

1 x4 BATTERIES 86AH P/N: NAMF120090HM0FA - Indra 1260116000700

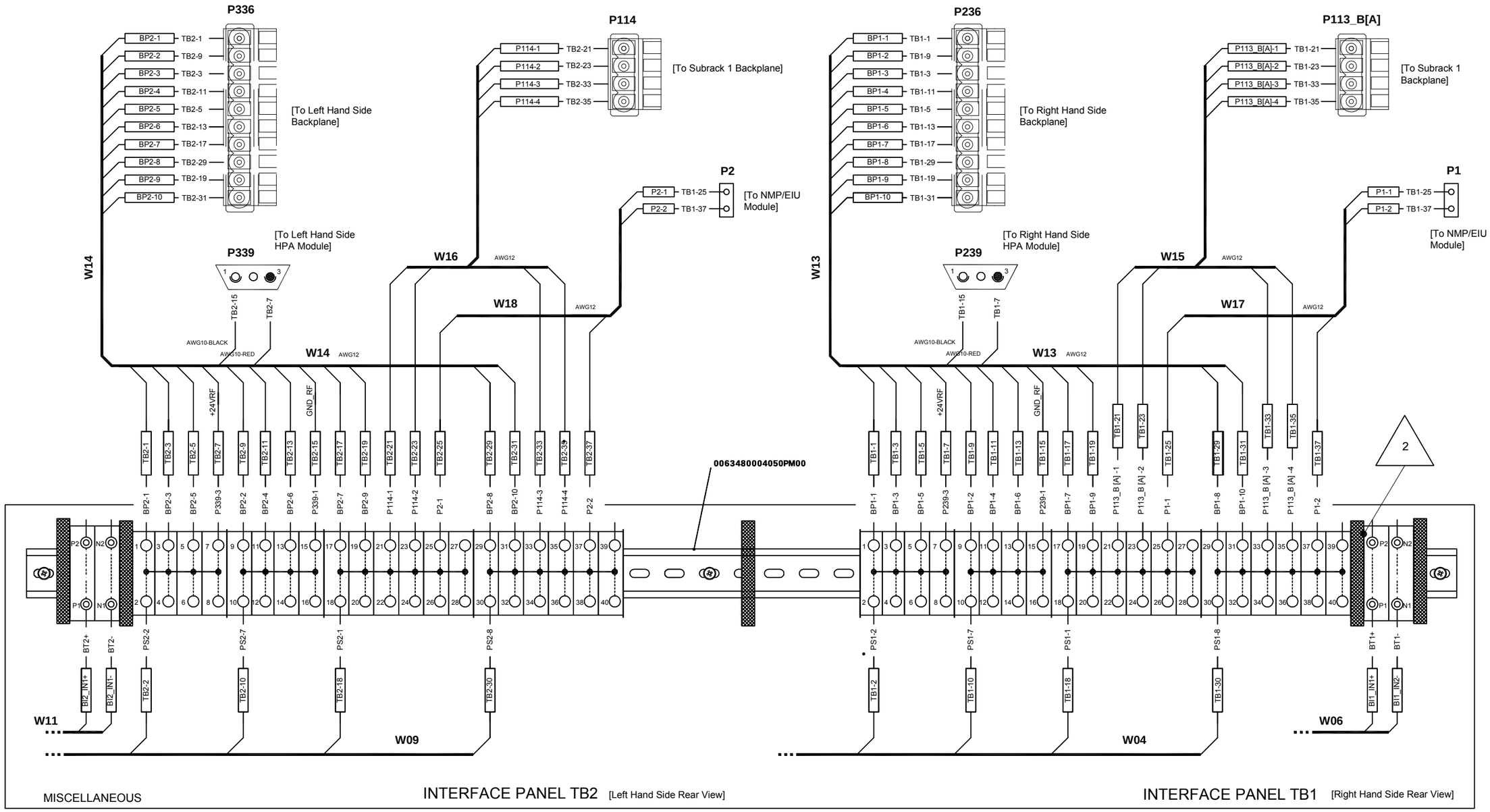
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	CLASIFICACIÓN	*CLASSIFICATION*	Nº CONTRATO	*CONTR. NUM*	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 7 / 16		

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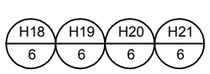
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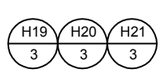
0063420001202

MONTAJE DE REAR PATCH PANEL COVER



REAR PATCH PANEL COVER ASSEMBLY

MONTAJE DE DIN RAIL 7S35x7,5



DIN RAIL TS35x7.5 ASSEMBLY

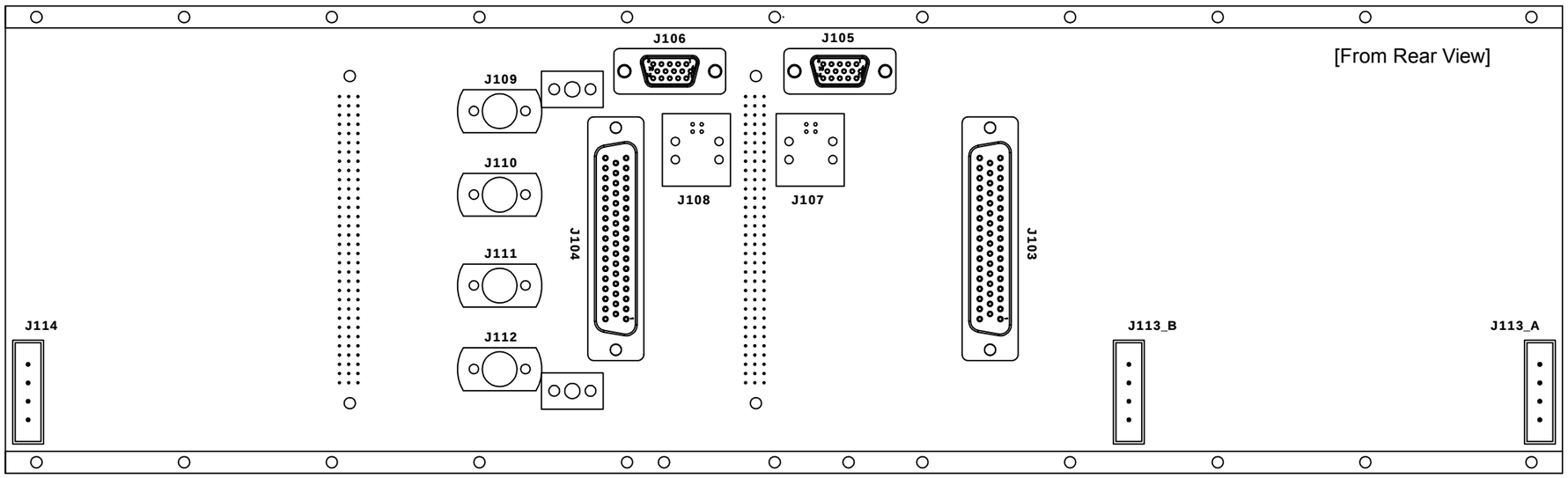
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	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 8 / 16		

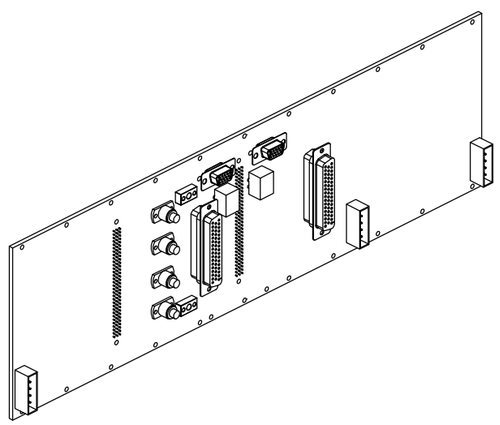
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SUBRACK 1
MOTHER BOARD

0063420003000





METALWORKS		SUBRACK 1	
1	M01125012LPA0	Screw M2.5*12 DIN 7985	24
2	1509009012021	Screw M2.5x12,3 RAN	4
3	1589990340000	Manguito de protección	4
4	1709981061000	ESD pin. Ref. H12	4
5	1229990750000	GND Lead	1

0063430003000LM00		SUBRACK 1 MOTHER BOARD	
1	...	...	
2	M01125012LPA0	Screw M2.5*12 DIN 7985	24
3	M01125010LPA0	Screw M2.5x10 DIN 7985	4
4	M01125008LPA0	Screw M2.5x8 DIN 7985	4
5	M151250125AA0	Washer M2.5 DIN 125	32
6	M151250127EA0	Washer M2.5 DIN 127	32
7	M01120010LPA0	Screw M2*10 DIN 7985	6
8	M151200125AA0	Washer M2 DIN 125	12
9	M151200127EA0	Washer M2 DIN 127	6
10	M101250934EA0	Nut M2.5 DIN 934	4
11	M101200934EA0	Nut M2 DIN 934	6

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE SUBRACK 1 MOTHERBOARD:
x4 M2.5X8mm DIN 7985 + DIN 127 + DIN 125 - LOS CENTRADORES HEMBRA
x4 M2.5X10mm DIN 7985 + DIN 127 + DIN 125 + DIN 934 - J101, J102
x24 M2.5X12mm DIN 7985 + DIN 127 + DON 125 - FIJACIÓN A SUBRACK 1
x6 M2X10mm DIN 7985 + DIN 127 + 2 DIN 125 + DIN 934 - CONECTORES SMB

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

SUBRACK 1 MOTHERBOARD ASSEMBLY:
x4 M2.5X8mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - FEMALE POSITIONERS
x4 M2.5X10mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER + DIN 934 - J101, J102
x24 M2.5X12mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - MOTHER BOARD 1 TO SUBRACK
x6 M2X10mm DIN 7985 + DIN 127 WASHER + 2 DIN125 WASHER + DIN 934 - SMB CONNECTORS

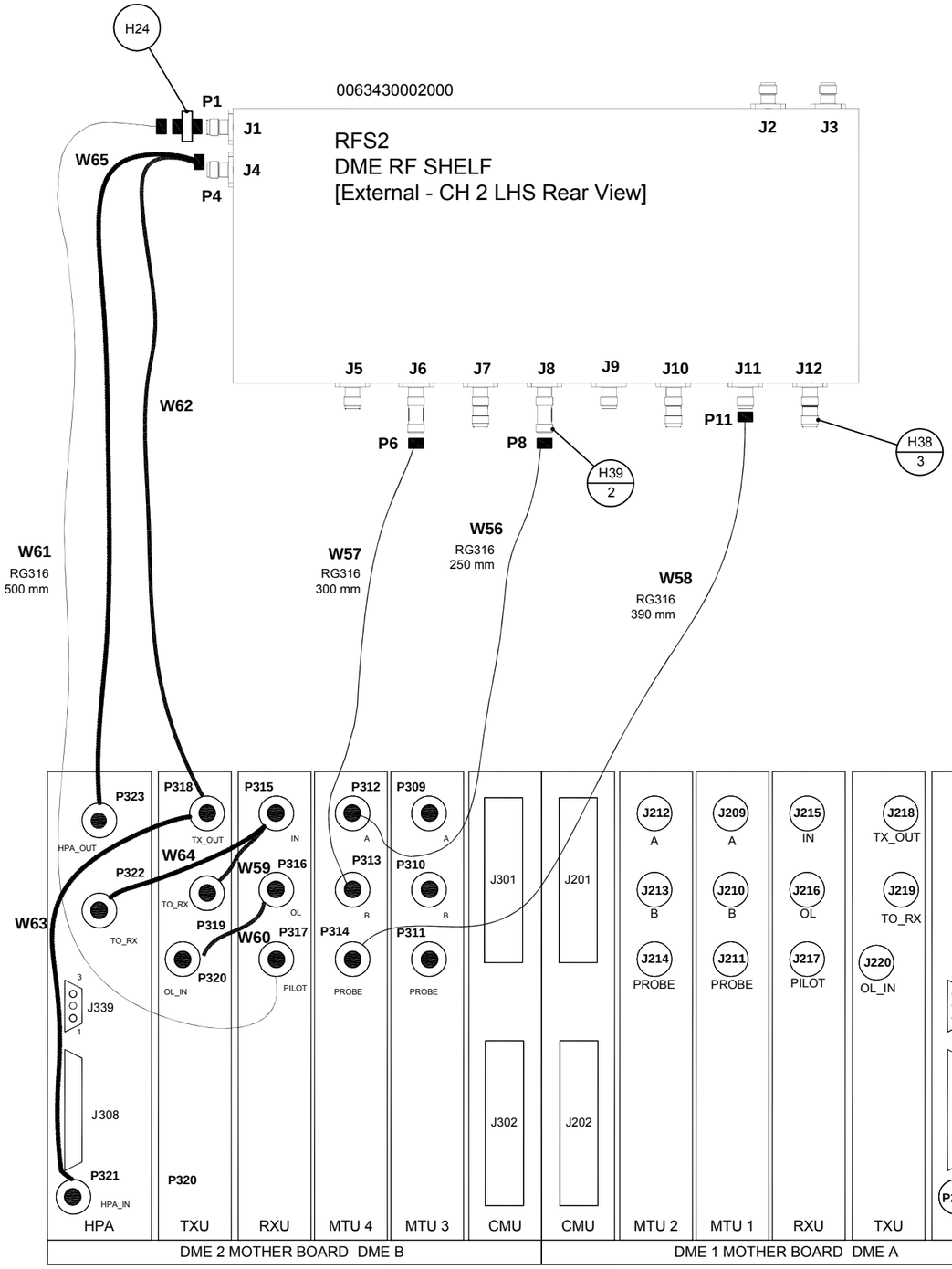
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	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 9 / 16		

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REAR VIEW VISTA DESDE ATRAS

MISCELLANEOUS - 0063420001202

ASSEMBLY WIRES/CAB LES - LOW POWER VERSION

W53 - RG316 275 MM - NU IN 2 MTU CONFIGURATIONS
W54 - RG316 355 MM - NU IN 2 MTU CONFIGURATIONS
W55 - RG316 420 MM - NU IN 2 MTU CONFIGURATIONS
W56 - RG316 250 MM
W57 - RG316 300 MM
W58 - RG316 390 MM
W59 - EZ141 130 MM
W60 - EZ141 130 MM
W61 - RG316 500 MM
W62 - EZ141 340 MM

MISCELLANEOUS - 0063420001201

ASSEMBLY WIRES/CAB LES - HIGH POWER VERSION

W53 - RG316 275 MM - NU IN 2 MTU CONFIGURATIONS
W54 - RG316 355 MM - NU IN 2 MTU CONFIGURATIONS
W55 - RG316 420 MM - NU IN 2 MTU CONFIGURATIONS
W56 - RG316 250 MM
W57 - RG316 300 MM
W58 - RG316 390 MM
W60 - EZ141 130 MM
W61 - RG316 500 MM
W63 - EZ141 430 MM
W64 - EZ141 270 MM
W65 - EZ141 230 MM

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE LOS M DULOS RF SHELF:
x8 M3X18mm DIN 7985 + PLANA + GROWER
x4 M4X8mm DIN 7985 + PLANA + GROWER

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

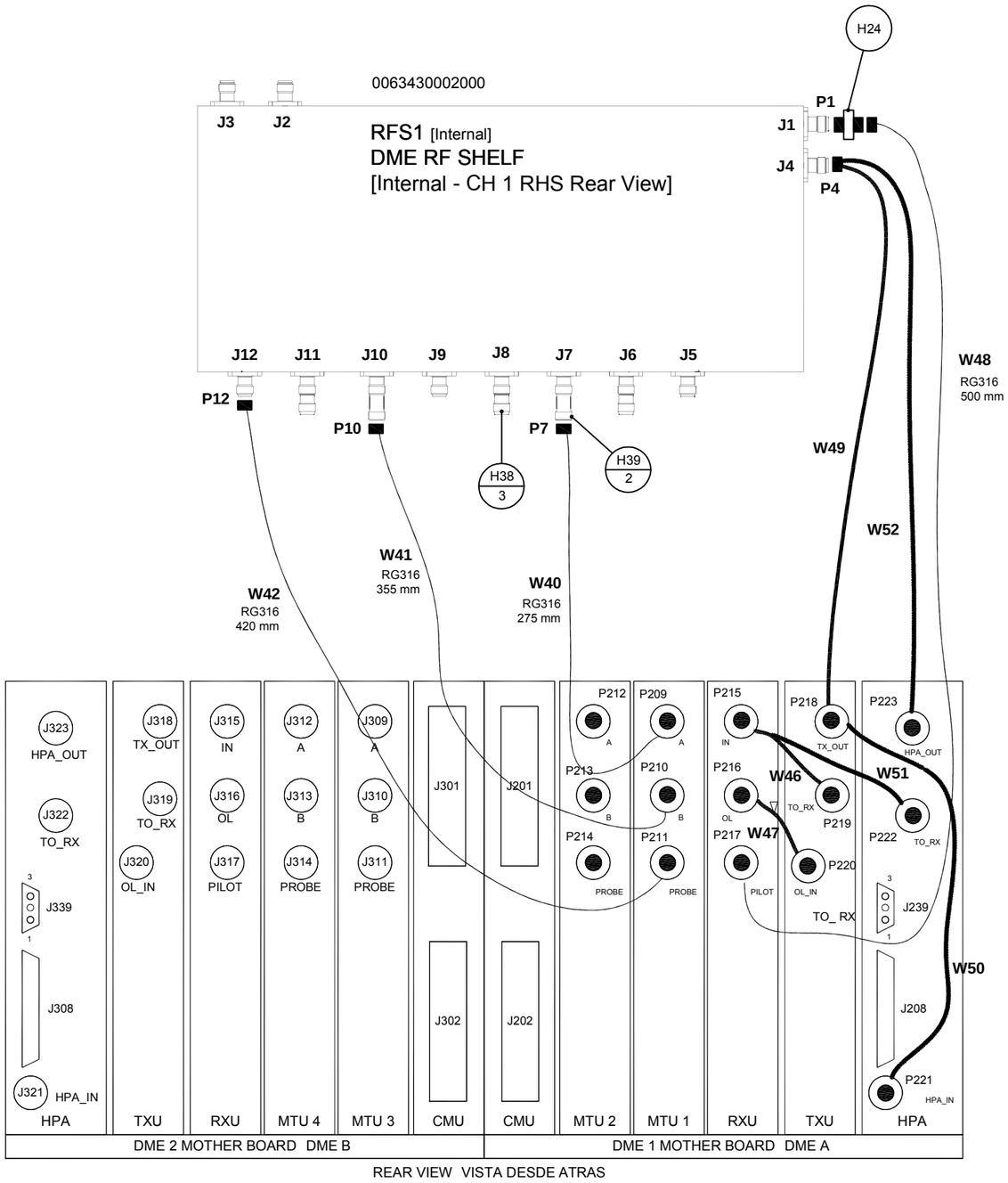
RF SHELF MODULES ASSEMBLY:
x8 M3X18mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER
x4 M4X8mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER

indra	N DE PLANO *DRAWING N°* 00634 2 00010 08		TIPO *TYPE* DE	ORD. 00	ED RV A3
	CLASIFICACI N *CLASSIFICATION*		N CONTRATO *CONTR. NUM*	
INDRA SISTEMAS S.A.				
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 10 / 16	

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REAR VIEW VISTA DESDE ATRAS

MISCELLANEOUS - 0063420001202

ASSEMBLY WIRES/CAB LES - LOW POWER VERSION

W40 - RG316 275 MM
W41 - RG316 355 MM
W42 - RG316 420 MM
W43 - RG316 250 MM - NU IN 2 MTU CONFIGURATIONS
W44 - RG316 300 MM - NU IN 2 MTU CONFIGURATIONS
W45 - RG316 390 MM - NU IN 2 MTU CONFIGURATIONS
W46 - EZ141 130 MM
W47 - EZ141 130 MM
W48 - RG316 500 MM
W49 - EZ141 375 MM

MISCELLANEOUS - 0063420001201

ASSEMBLY WIRES/CAB LES - HIGH POWER VERSION

W40 - RG316 275 MM
W41 - RG316 355 MM
W42 - RG316 420 MM
W43 - RG316 250 MM - NU IN 2 MTU CONFIGURATIONS
W44 - RG316 300 MM - NU IN 2 MTU CONFIGURATIONS
W45 - RG316 390 MM - NU IN 2 MTU CONFIGURATIONS
W47 - EZ141 130 MM
W48 - RG316 500 MM
W50 - EZ141 410 MM
W51 - EZ141 270 MM
W52 - EZ141 255 MM

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE LOS M DULOS RF SHELF:
x8 M3X18mm DIN 7985 + PLANA + GROWER
x4 M4X8mm DIN 7985 + PLANA + GROWER

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

RF SHELF MODULES ASSEMBLY:
x8 M3X18mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER
x4 M4X8mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER

indra	N DE PLANO *DRAWING N°* 00634 2 00010 08		TIPO *TYPE* DE	ORD. 00	ED RV A3
	CLASIFICACI N *CLASSIFICATION*		N CONTRATO	*CONTR. NUM*	
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CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 11 / 16		

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0063420003200

RCU
(RELAY CONTROL UNIT)

Top

P109

P110

P111

[RCU Back Connectors]

Bottom

[Rack Ceiling]

J401 / RF_OUT

W34

J402
ANT. PROBE 1

J403
ANT. PROBE 2

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

x1 ABRAZADERA TIPO NX-1 O EQUIVALENTE:
x3 ABRAZADERAS TIPO NX-0 O EQUIVALENTE
x3 TORNILLOS M3X8 MM + DIN 125 WASHER + DIN 127 WASHER
X1 M6X12 MM AUTORROSCABLE

(CONECTORES J401, J402 Y J403)
x12 TORNILLOS M3X10mm DIN 7985
x24 ARANDELAS DIN 125
X12 ARANDELAS DIN 127
X12 TUERCAS DIN 934

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

x2 NX-3 PLASTIC CLIPS TYPE OR EQUIVALENT
x3 NX-0 PLASTIC CLIPS TYPE OR EQUIVALENT
x3 SCREWS M3X8 MM DIN 7985 + DIN 125 WASHER + DIN 127 WASHER
x1 SCREW M6X16 MM AUTO

(J401, J402 AND J403 CONNECTORS)
x12 SCREWS M3X10mm DIN 7985
x24 DIN 125 WASHER
X12 DIN 127 WASHER
X12 DIN 934 HEX NUTS

W39
RG316
1050 mm

W36
RG316
330 mm

W38
RG316
880 mm

W35
RG316
165 mm

P3 **P2**

J3 **J2**

0063430002000

RFS1 [Internal]
DME RF SHELF

J1

J4

J12 **J11** **J10** **J9** **J8** **J7** **J6** **J5**

P9 **P5**

P2 **P3**

J2 **J3**

0063430002000

RFS2 [External]
DME RF SHELF

J1

J4

J5 **J6** **J7** **J8** **J9** **J10** **J11** **J12**

P5 **P9**

W67

W66

ASSEMBLY WIRES/CAB LES

W34 - EZ141
W35 - EZ141
W36 - EZ141
W38 - RG316 880 MM
W39 - RG316 1050 MM
W66 - RG316
W67 - RG316

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 08		TIPO *TYPE* DE	ORD. 00	ED RV A3
	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 12 / 16		

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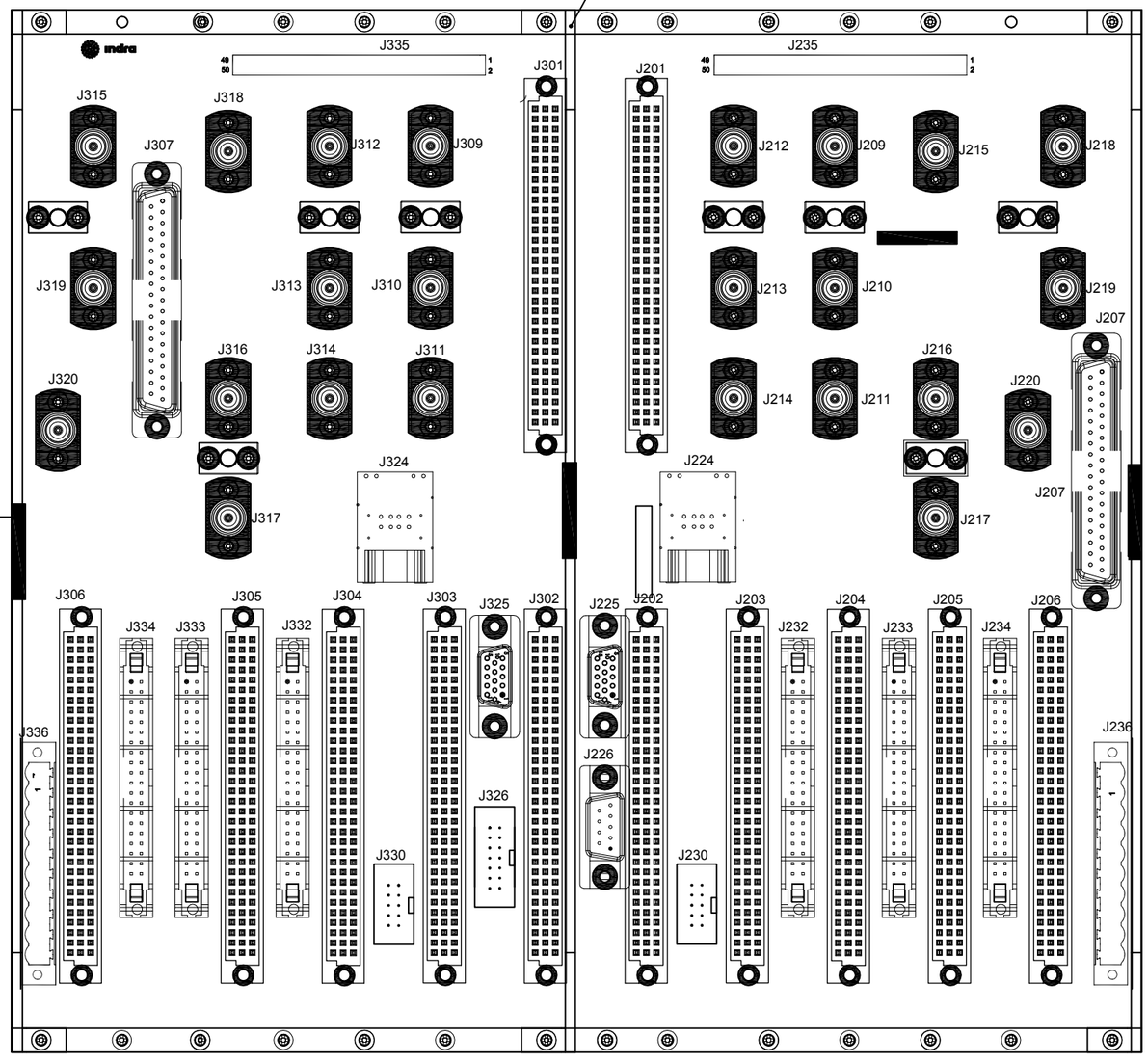
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0024780004070PM00

3

SUBRACK 2
MOTHER BOARD

0063420005700



FROM THE BACK

FROM THE BACK

METALWORKS		SUBRACK 2	
1	1709981061000	ESD pin Ref. H12	26
2	1229990750000	GND Lead	1

0063430005700LM00		SUBRACK 2 MOTHER BOARD	
1	...	...	
2	M01125016LPA0	Screw M2.5*16 DIN 7985	6
3	M01125012LPA0	Screw M2.5x12 DIN 7985	22
4	M01125008LPA0	Screw M2.5x8 DIN 7985	16
5	M151250125AA0	Washer M2.5 DIN 125	44
6	M151250127EA0	Washer M2.5 DIN 127	44
7	1540109000050	Washer M2.5 NYLON	16
8	M01120010LPA0	Screw M2*10 DIN 7985	44
9	M151200125AA0	Washer M2 DIN 125	88
10	M151200127EA0	Washer M2 DIN 127	44
11	M101200934EA0	Nut M2 DIN 934	44
12	M01130006LPA0	Screw M3*6 DIN 7985	10
13	M151300125AA0	Washer M3 DIN 125	10
14	M151300127EA0	Washer M3 DIN 127	10
15	G251511502010	Foam Acrylic TAPE 15 mm	-

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE SUBRACK 2 MOTHERBOARD:
x16 M2.5X8mm DIN 7985 + DIN 127 + DIN 125 + NYLON - CENTRADORES HEMBRA
x22 M2.5X12mm DIN 7985 + DIN 127 + DIN 125 - FIJACIÓN A SUBRACK 2
x6 M2.5X16mm DIN 7985 + DIN 127 + DIN 125 - RIGIZADORES
x44 M2X10mm DIN 7085 + DIN 127 + 2 DIN 125 + DIN 934 - CONECTORES SMB
x10 M3X6mm DIN 7985 + DIN 127 + DIN 125 - CONECTORES SUB-D

COMPROBAR QUE LA PCB SUBRACK 2 MOTHER BOARD TIENE MONTADAS LAS TRES TIRAS DE ESPUMA ADHESIVA PARA EVITAR CORTOCIRCUITOS CON LOS RIGIZADORES.

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

SUBRACK 2 MOTHERBOARD ASSEMBLY:
x16 M2.5X8mm DIN 7985 + DIN 127 WASHER+ DIN 125 WASHER + NYLON - FEMALE POSITIONERS
x22 M2.5X12mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - MB TO SUBRACK 2
x6 M2.5X16mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - STIFFENERS 6U
x44 M2X10mm DIN 7085 + DIN 127 WASHER + 2 DIN 125 WASHER + DIN 934 NUT - SMB CONECTORS
x10 M3X6mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - SUB-D CONECTORS

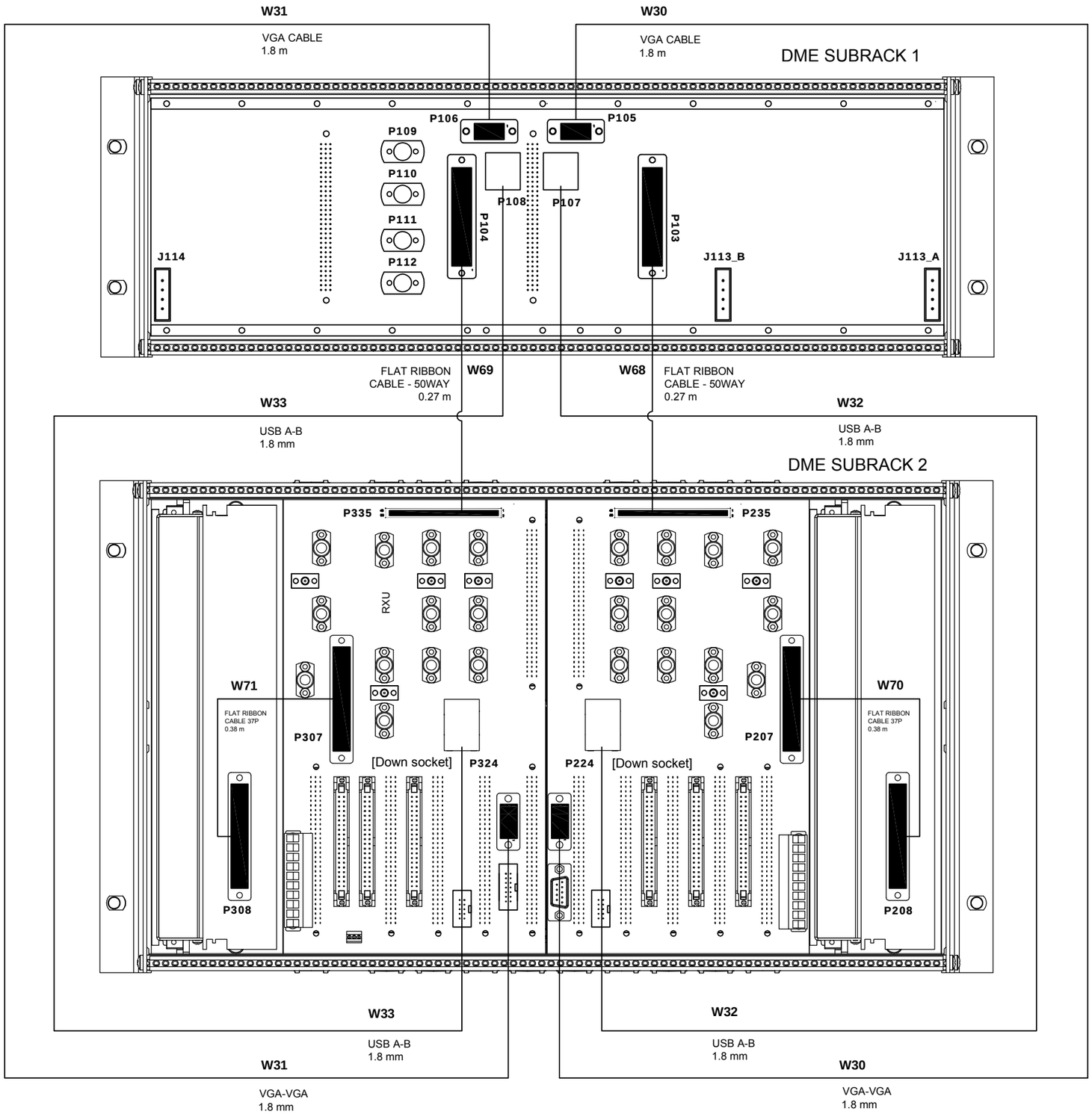
CHECK THE THREE PROTECTIVE FOAM TAPES ARE FITTED ON SUBRACK 2 MOTHER BOARD PBA TO AVOID SHORT CIRCUITS AFTER MOUNTING MOTHER BOARD STIFFENERS

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 08		TIPO *TYPE* DE	ORD. 00	ED RV A3
	CLASIFICACIÓN	*CLASSIFICATION*	Nº CONTRATO	*CONTR. NUM*	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 13 / 16		

FRM-A2-H1-INDRA
09-06-08

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NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE CABLES ETH, VGA, USB:
x7 TORNILLOS M6X12 MM AUTOROSCABLES
x2 ABRAZADERAS TIPO NX-3 O EQUIVALENTE
x2 ABRAZADERAS TIPO NX-5 O EQUIVALENTE
x1 ABRAZADERA TIPO NX-6 TYPE O EQUIVALENTE
x2 ABRAZADERA TIPO NX-8 TYPE O EQUIVALENTE
x2 BASES DE BRIDA TORNILLO BLANCAS
x2 TORNILLOS M4X6 MM DIN 7985

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

ETH, VGA, USB WIRING ASSEMBLY:
x7 SCREWS M6X12 MM AUTO
x2 NX-3 PLASTIC CLIPS TYPE OR EQUIVALENT
x2 NX-5 PLASTIC CLIPS TYPE OR EQUIVALENT
x1 NX-6 PLASTIC CLIPS TYPE OR EQUIVALENT
x2 NX-8 PLASTIC CLIPS TYPE OR EQUIVALENT
x2 WHITE BASE-SCREW PLASTIC CLIP
x2 SCREWS M4X6 MM DIN 7985

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 08		TIPO *TYPE* DE	ORD. 00	ED RV A3
	CLASIFICACIÓN	*CLASSIFICATION*	N° CONTRATO	*CONTR. NUM*	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 14 / 16		

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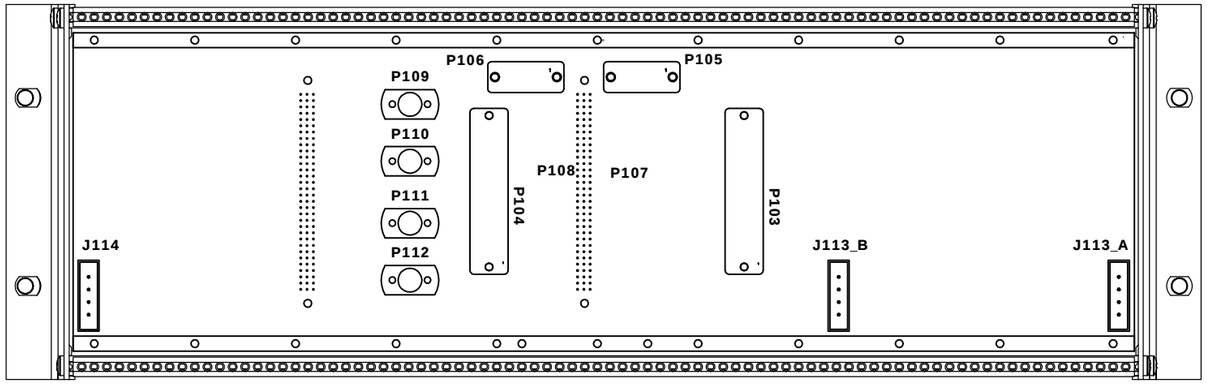
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[From Interface Panel TB2
Left Hand Side Rear View]

P114

P114-1 — TB2-21
P114-2 — TB2-23
P114-3 — TB2-33
P114-4 — TB2-35

DME SUBRACK 1

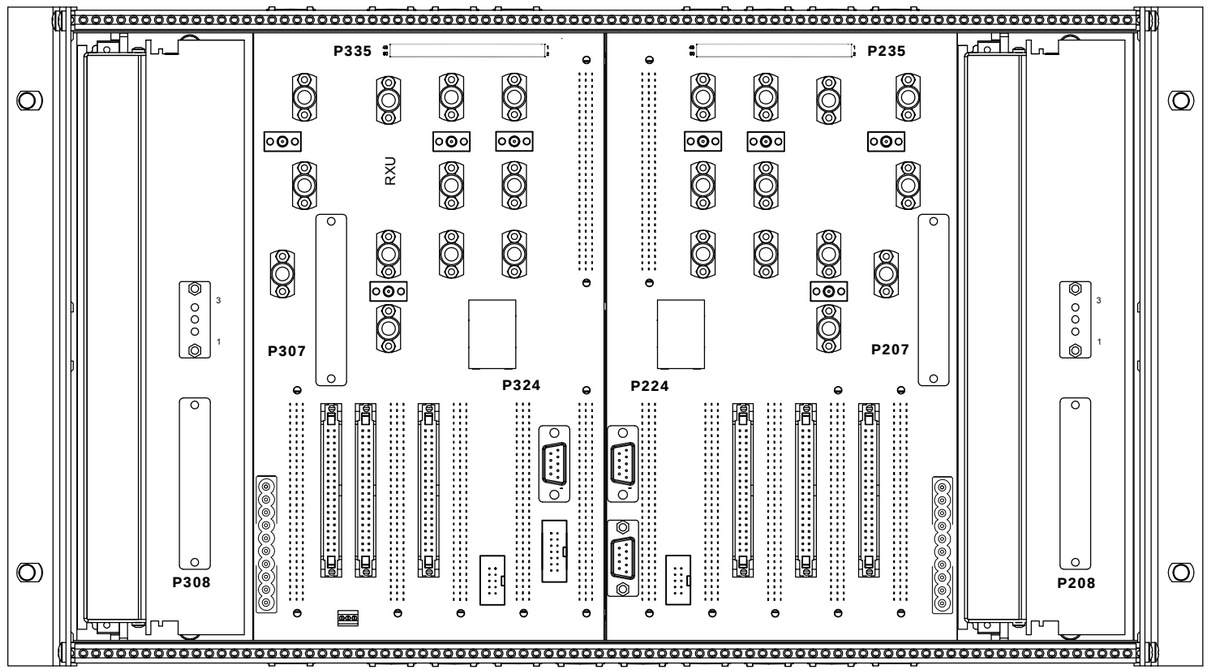


[From Interface Panel TB1
Right Hand Side Rear View]

P113_B[A]

TB1-21 — P113_B[A]-1
TB1-23 — P113_B[A]-2
TB1-33 — P113_B[A]-3
TB1-35 — P113_B[A]-4

DME SUBRACK 2



P339

P339-1 — TB2-15
P339-3 — TB2-7

P239

TB1-7 — P239-3
TB1-15 — P239-1

P336

BP2-1 — TB2-1
BP2-2 — TB2-9
BP2-3 — TB2-3
BP2-4 — TB2-11
BP2-5 — TB2-5
BP2-6 — TB2-13
BP2-7 — TB2-17
BP2-8 — TB2-29
BP2-9 — TB2-19
BP2-10 — TB2-31

P236

TB1-1 — BP1-1
TB1-9 — BP1-2
TB1-3 — BP1-3
TB1-11 — BP1-4
TB1-5 — BP1-5
TB1-13 — BP1-6
TB1-17 — BP1-7
TB1-29 — BP1-8
TB1-19 — BP1-9
TB1-31 — BP1-10

NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

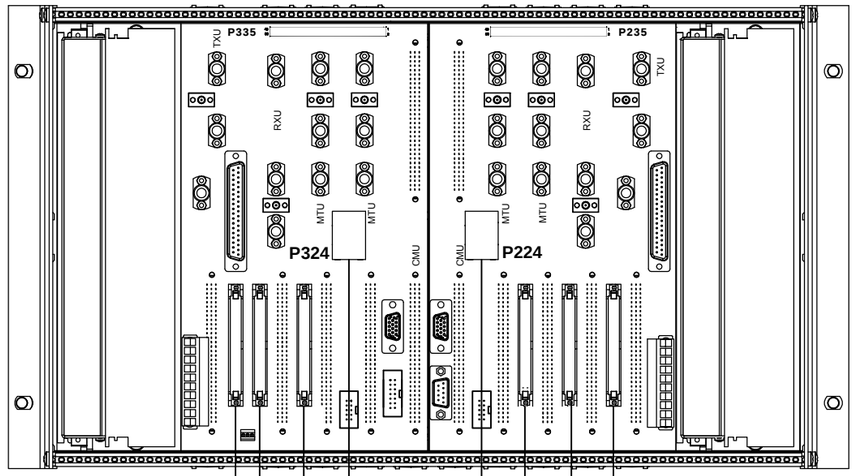
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INDRA SISTEMAS S.A.	CLASIFICACIÓN	*CLASSIFICATION*	Nº CONTRATO	*CONTR. NUM*		
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 15 / 16			

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DME SUBRACK 2

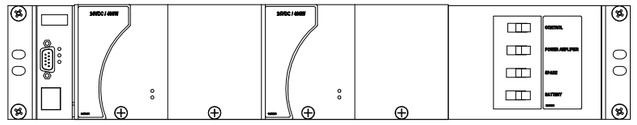
NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00



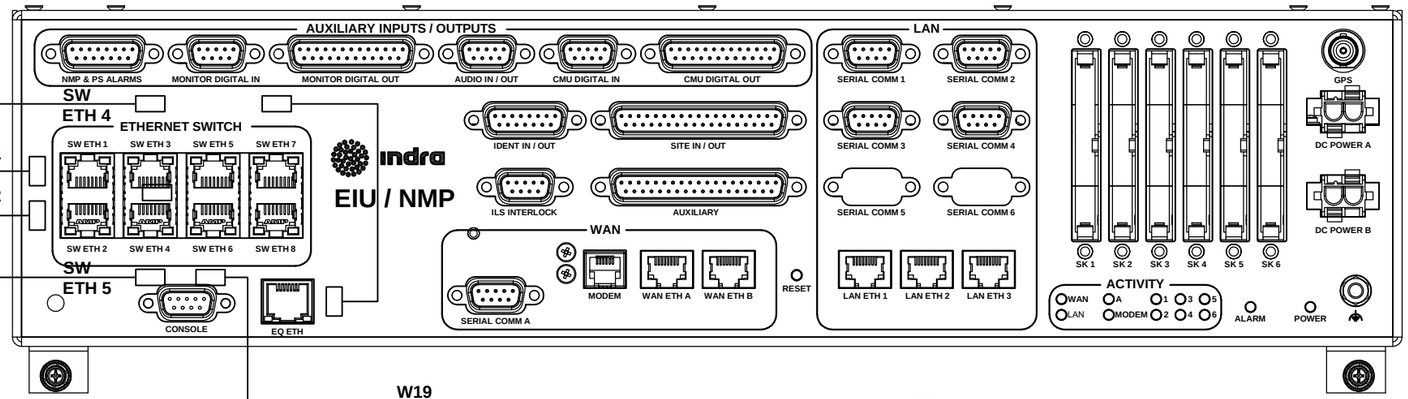
W20
W21
W29
W28
W27
W24
W25
W26
P3 P4 P5 P6 P7 P8

0063420005100
POWER SUPPLY 1 (PSU1)



ETH
PSU1

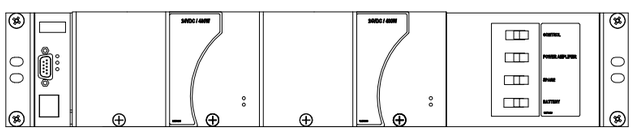
W22



P1 — W17 — [From Interface Panel TB1]
P2 — W18 — [From Interface Panel TB2]

W23
W19
ETH
LOCAL
H16

ETH
PSU2



0063420005100
POWER SUPPLY 2 (PSU2)

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 08	TIPO *TYPE* DE	ORD. 00	ED RV A3
	CLASIFICACIÓN / *CLASSIFICATION*	Nº CONTRATO / *CONTR. NUM*		
INDRA SISTEMAS S.A.				
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 16 / 16	

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FRM-A2-H1-INDRA
09-06-08

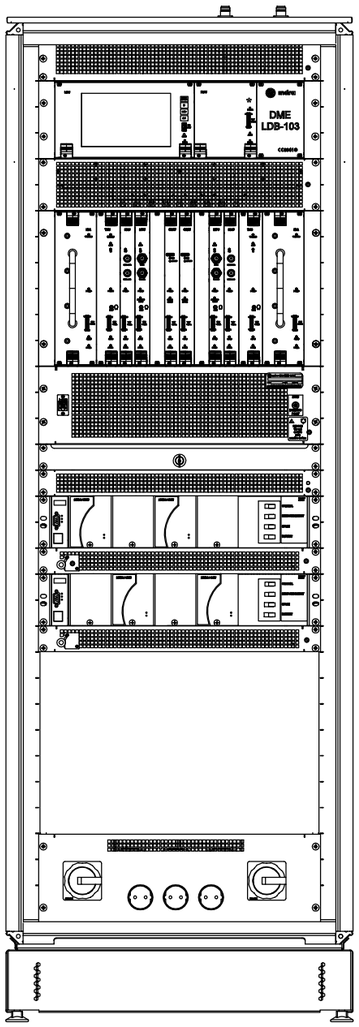
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4.2.3 HIGH POWER DME CABINET [0063420001009]

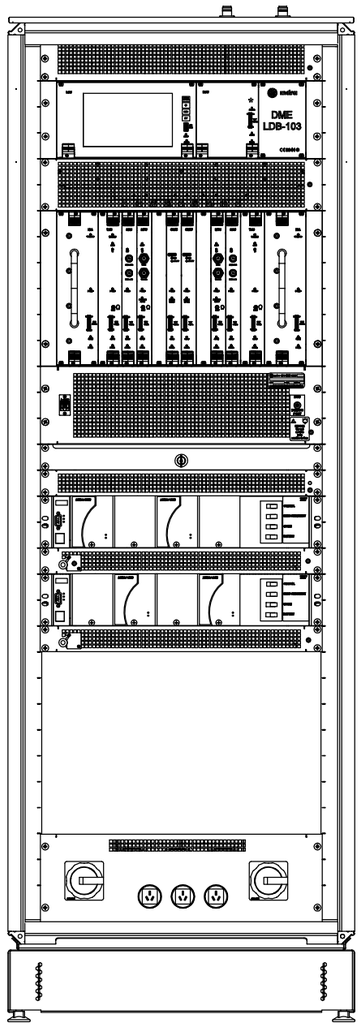
DME CABINET drawings [0063420001009DE00]

(16 pages attached)

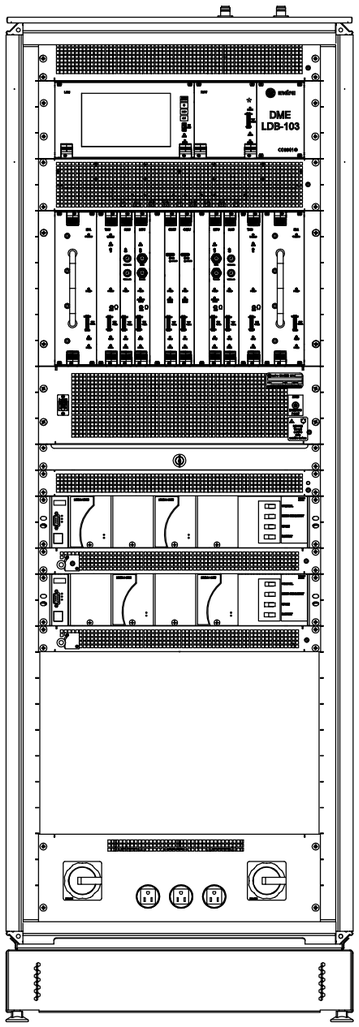
ED/RV	MODIFICACIÓN *MODIFICATION*	DIBUJA *DRAWN*	FECHA *DATE*	ZONA *ZONE*
A0	PRIMERA EDICIÓN / FIRST EDITION	aspro	14-12-11	
A1	REVISIÓN / REVIEW PCI Nº.0063420001009PC02	aspro	30-07-12	
A2	REVISIÓN / REVIEW PCI Nº.0063420001009PC05	aspro	06-03-13	
A3	REVISIÓN / REVIEW PCI Nº.0063420001009PC06	mgreguera	05-12-13	



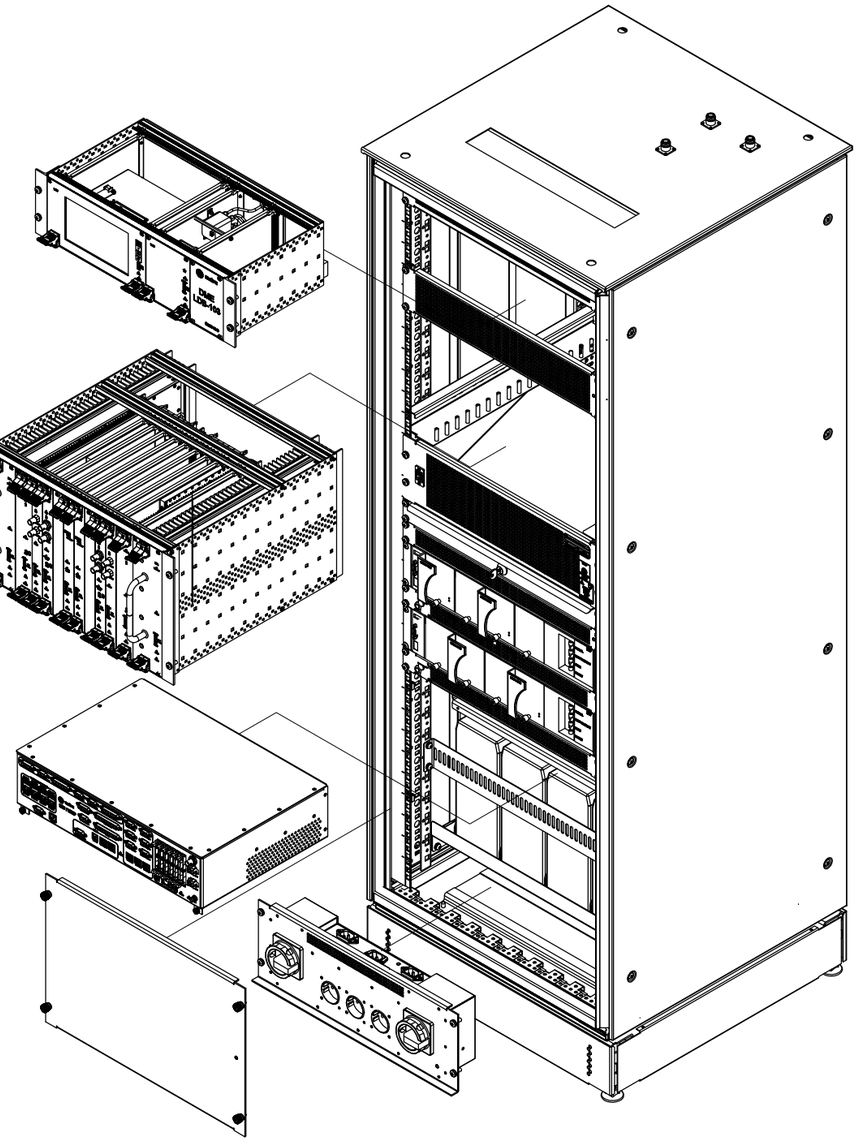
MODEL .07
DME LDB-103 100 W / DUAL SYSTEM
2 MONITORS - SP



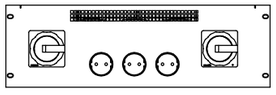
MODEL .08
DME LDB-103 100 W / DUAL SYSTEM
2 MONITORS - AU/NZ



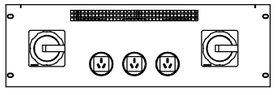
MODEL .13
DME LDB-103 100 W / DUAL SYSTEM
2 MONITORS - USA



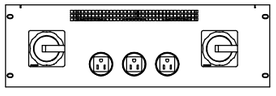
DETALLE / DETAIL
AC INPUT BOX [SP] - 0063400001301



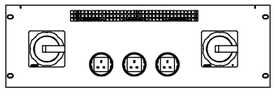
DETALLE / DETAIL
AC INPUT BOX [AU/NZ] - 0063400001302



DETALLE / DETAIL
AC INPUT BOX [USA] - 0063400001303



DETALLE / DETAIL
AC INPUT BOX [UK] - 0063400001304



ED/RV DE HOJAS *ED/RV OF SHEETS*						
18		12	A3	6	A3
17		11	A3	5	A3
16	A3	10	A3	4	A3
15	A3	9	A3	3	A3
14	A3	8	A3	2	A3
13	A3	7	A3	1	A3

TOLERANCIAS GENERALES S/NORMA *GENERAL TOLERANCES P/NORME*
ISO 2768-mK
ARISTAS MATADAS CON R.-0,3 O CHAFLANES DE 0,3x45° *BREAK ALL SHARP EDGES WITH R.-0.3 OR CHAMFER OF 0,3x45°*
LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD *CAD MAINTENANCE*
MODEL:
CAD:

MATERIAL *MATERIAL*
TRATAMIENTO *TREATMENT*
ACABADO *FINISH*
RUG.SUP. *ROUGHNESS*

	PREP. *PREP*	REV. *CHECK*	APROB. *APVD*	AUTO. *AUTH*
NOMBRE *NAME*	mgreguera	jlsbuendia	jblazquez	pbravo
FECHA *DATE*	29-11-13	29-11-13	29-11-13	29-11-13

indra
INDRA SISTEMAS S.A.
CAGE CODE 0177B / 0178B

DENOMINACION *TITLE*
DME CABINET [FC][HP][DUAL MONITOR]

Nº DE PLANO *DRAWING NUM*	TIPO *TYPE*	ORD.	ED/RV
00634 2 00010 09	DE	00	A3

CLASIFICACIÓN *CLASSIFICATION*	Nº CONTRATO	*CONTR. NUM*

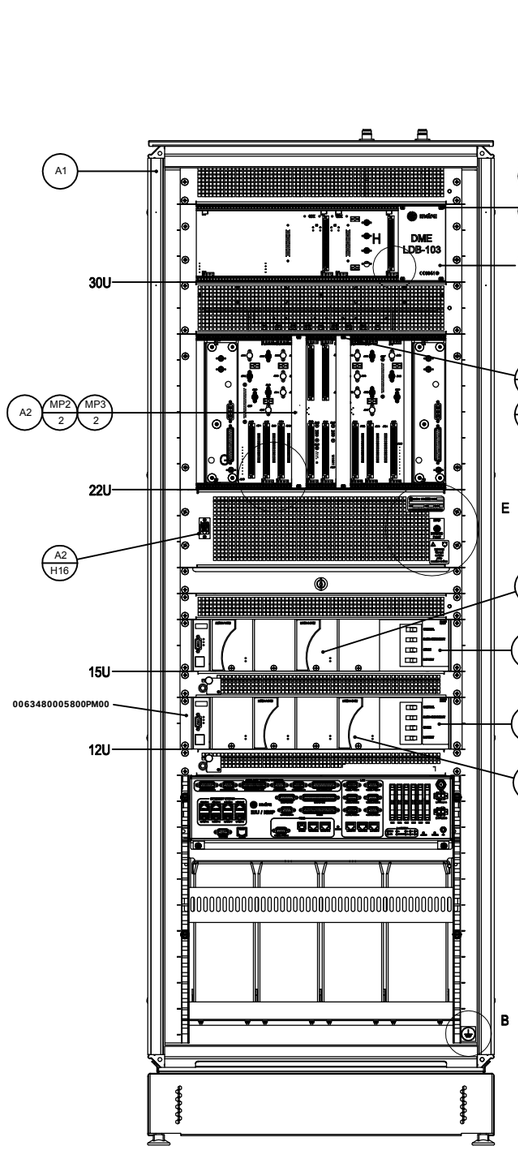
ESCALA *SCALE* N / S | FORMATO *SIZE* A1 | HOJA *SHEET* 1 / 16

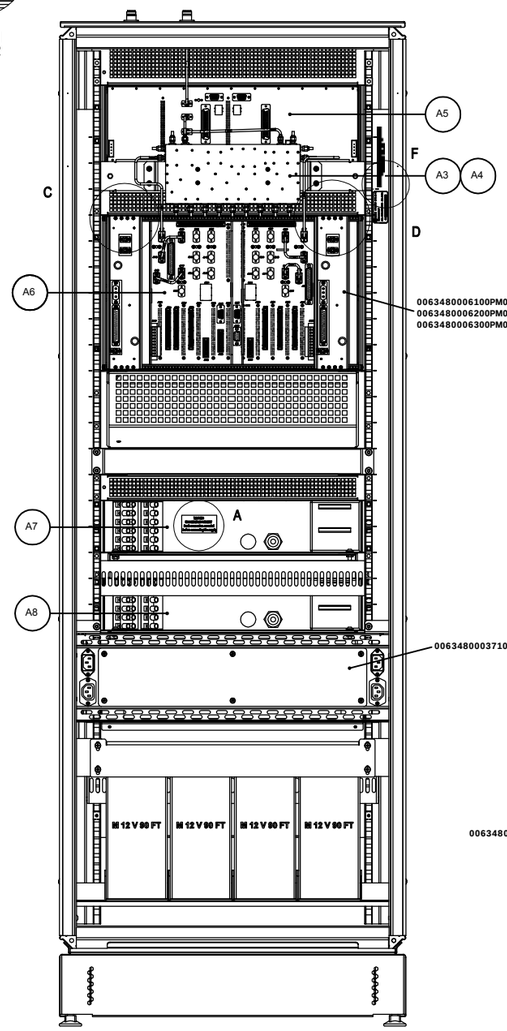
FRM-A1-H1-INDRA
09-06-08

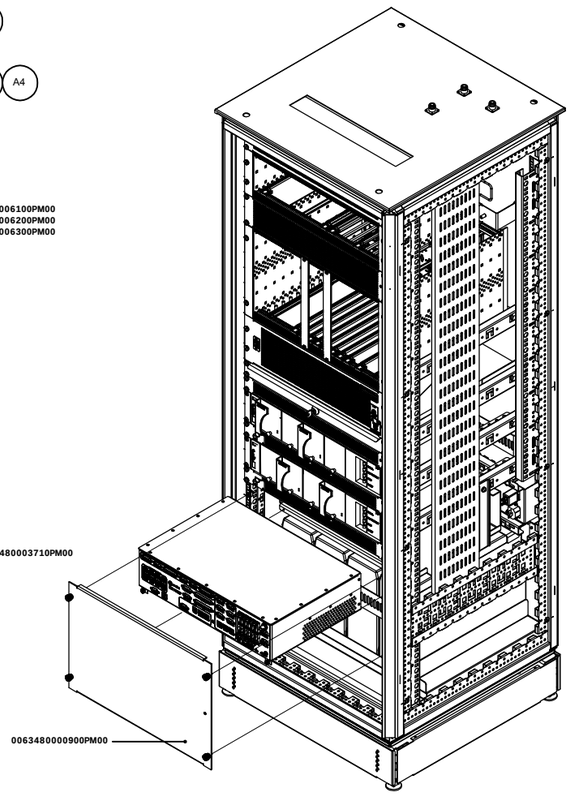
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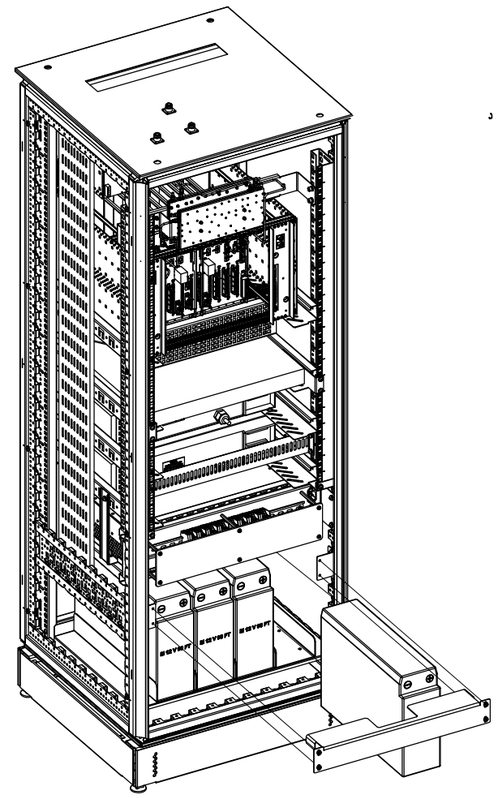
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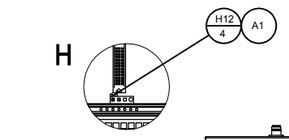
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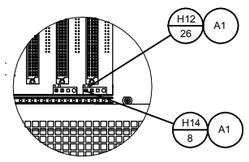




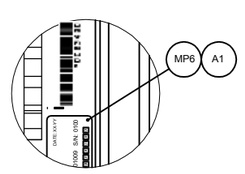




DETALLE H
ESCALA 1 : 2



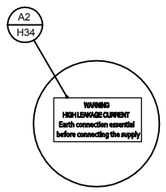
DETALLE G
ESCALA 1 : 2



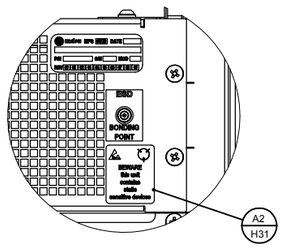
DETALLE F
ESCALA 1 : 2



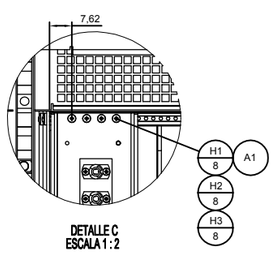
DETALLE B
ESCALA 1 : 2



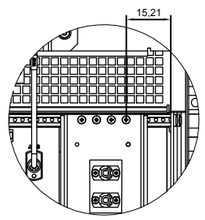
DETALLE A
ESCALA 1 : 2



DETALLE E
ESCALA 1 : 2



DETALLE C
ESCALA 1 : 2



DETALLE D
ESCALA 1 : 2

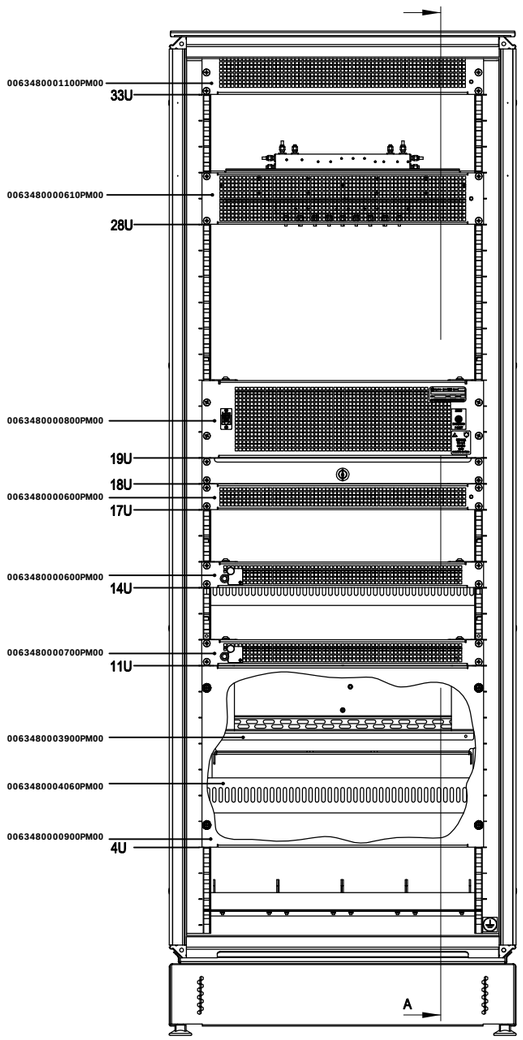
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0063420001202	A2	MISCELLANEOUS [HP][2 MTU]
0063430002000	A3, A4	RFS SHELF
0063430003000	A5	SUBRACK 1 MOTHERBOARD
0063430005700	A6	SUBRACK 2 MOTHERBOARD
0063420006200	A7, A8	POWER SUPPLY SUBRACK UNIT LRU
0063420005500	A9-A12	RECTIFIER MODULE LRU
0063420006300	A13, A14	BREAKERS SET LRU

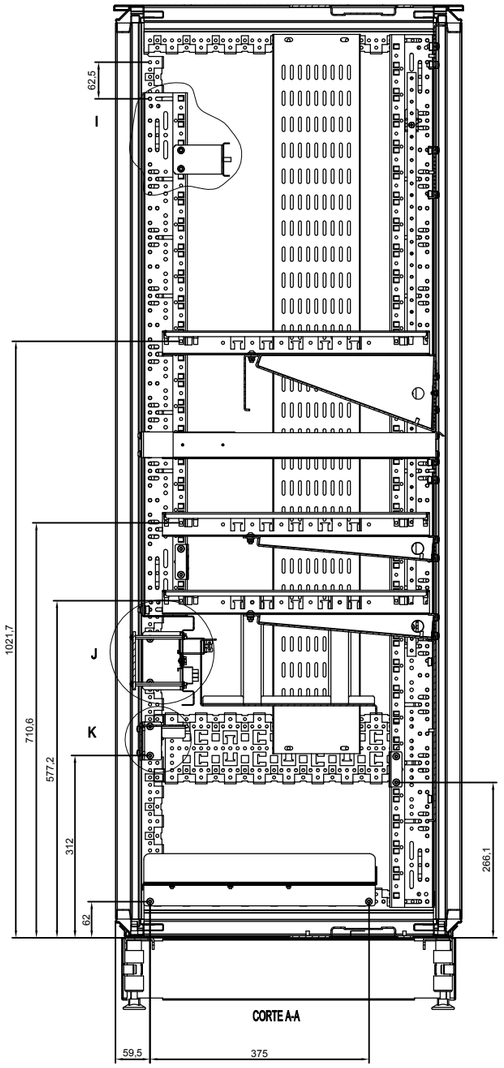
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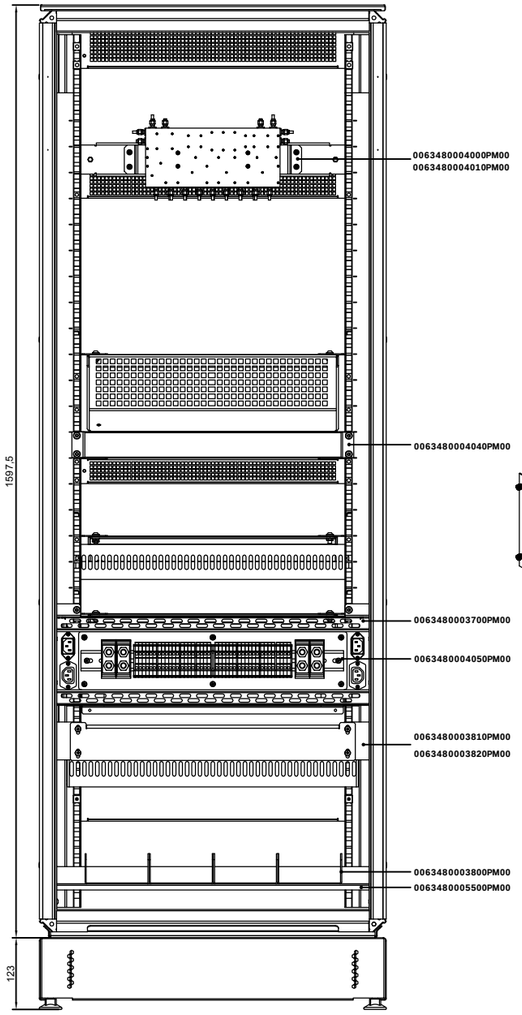
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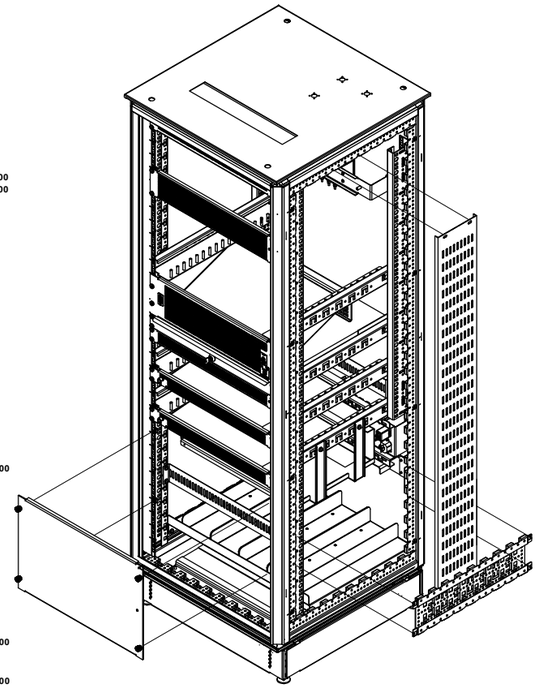
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	CLASIFICACIÓN / CLASSIFICATION		Nº CONTRATO		CONTR. NUM
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA / SCALE: N/S	FORMATO / SIZE: A1	HOJA / SHEET: 2 / 16		

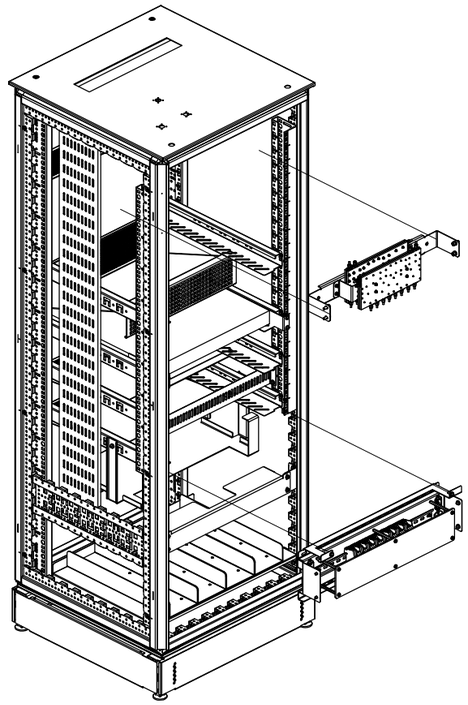
FRM-A1-H1-INDRA
09-06-08







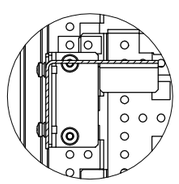




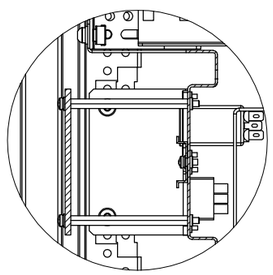
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CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
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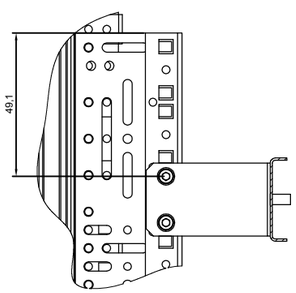
A1	0063420001100	METALWORKS	1
1	M01130010LPA0	Screw M3*10 DIN 7985	2
2	M01140008LPA0	Screw M4*8 DIN 7985	6
3	M01150012LPA0	Screw M5*12 DIN 7985	4
4	M01160016LPA0	Screw M6*16 DIN 7985	16
5	M151300125LA0	Washer M3 DIN 125	2
6	M151300127EA6	Washer M3 DIN 127	2
7	M151400125ARS	Washer M4 DIN 125	30
8	M151500125AA0	Washer M5 DIN 125	13
9	M151500127EA0	Washer M5 DIN 127	13
10	M151600127EA6	Washer M6 DIN 127	112
11	M151400127EA6	Washer M4 DIN 127	30
12	M101400934EA0	Nut M4 DIN 934	24
13	M101500934EA0	Nut M5 DIN 934	9
14	1502516016001	Screw Allen M6x16 ISO7380	100
15	M151600125AA0	Washer M6 DIN 125	68
16	1883000260000	GND Point	1
17	1237714523000	Faston terminal M6.3 45°	14
18	1235026153000	PANEL PASACAB PERF 27U	1
19	0063420006400	Conj. Rack Metalworks	1
20	M151300125AA0	Washer M3 DIN 125	26
21	M151300127EA0	Washer M3 DIN 127	26
22	M151400125AA6	Washer M4 DIN 125	7
23	M151400127EA6	Washer M4 DIN 127	7
24	M01130018LPA0	Screw M3*18 DIN 7985	8
25	M01140008LPA0	Screw M4*8 DIN 7985	7
26	1701501980000	Rack Varistar 1600x600	1
27	M151506798JA0	Washer M5 DIN 6798	28
28	M01125008LPA0	Screw M2.5*8 DIN 7985	16
29	1709981061000	Clip ESD PIN	30
30	1229990750000	GND Lead P/19"	2
31	M01120008LPA0	Screw M2*8 DIN 7985	12
32	M151250125AA0	Washer M2.5 DIN 125	16
33	M151250127EA0	Washer M2.5 DIN 127	16
34	M151200125AA0	Washer M2 DIN 125	12
35	M151200127EA0	Washer M2 DIN 127	12
36	1589909912021	Screw M2.5*12.3 RAN	8
37	1589990340000	Sleeve 5.9 mm - L=3.3 mm	8
38	1701501980000	Coding PIN. Ref. H10	8
39	M01130012LPA0	Screw M3*12 DIN 7985	10
40	M01130006LPA0	Screw M3*6 DIN 7985	8



DETALLE K
ESCALA 1 : 2



DETALLE J
ESCALA 1 : 2



DETALLE I
ESCALA 1 : 2

DETALLE / DETAIL:
0063420006400
CONJ. RACK METALWORK PARTS

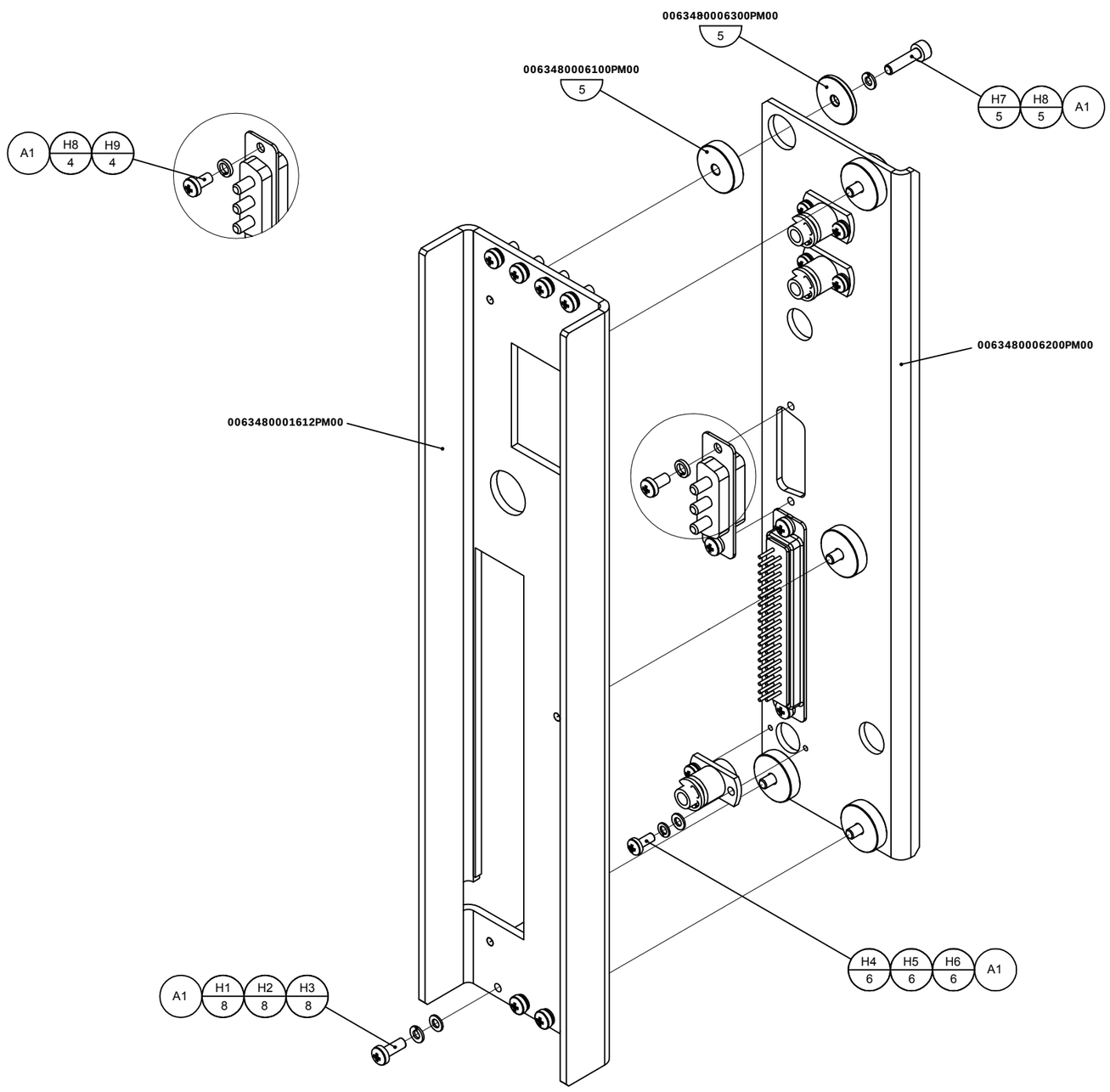
indra	N° DE PLANO / DRAWING N°		TIPO / TYPE	ORD.	ED RV
	00634 2 00010 09		DE	00	A3
	CLASIFICACIÓN / CLASSIFICATION	Nº CONTRATO / CONTR. NUM			
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA / SCALE N/S	FORMATO / SIZE A1	HOJA / SHEET 3 / 16		

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09-06-08

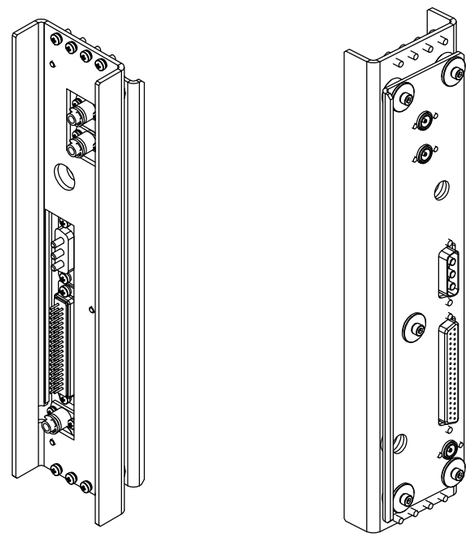
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CONNECTOR PLATE FLOATING



NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE LAS DOS PIEZAS CONNECTOR PLATE FLOATING :
x10 M3X12mm DIN 7985 + DIN 127 + DIN 125 - HPA FLOATING CAPS
x8 M3X6 DIN 7985 + DIN 127 + DIN 125 - CONECTORES SUB-D
x16 M2.5X8mm DIN 7985 + DIN 127 + DIN 125 - HPA CONNECTOR SUPPORT
x12 M2X6mm DIN 7985 + DIN 127 + DIN 125 - CONECTORES SMB CUANDO 0063420001009 [HP]

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

CONNECTOR PLATE FLOATING PARTS, LHS AND RHS, ASSEMBLY:
x10 M3X12mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - HPA FLOATING CAPS
x8 M3X6mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - SUB-D CONNECTORS
x16 M2.5X8mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - HPA CONNECTOR SUPPORT
x12 M2X6mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - SMB CONNECTORS WHEN 0063420001009 [HP]

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 09		TIPO *TYPE* DE	ORD. 00	ED RV A3
INDRA SISTEMAS S.A.	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 4 / 16		

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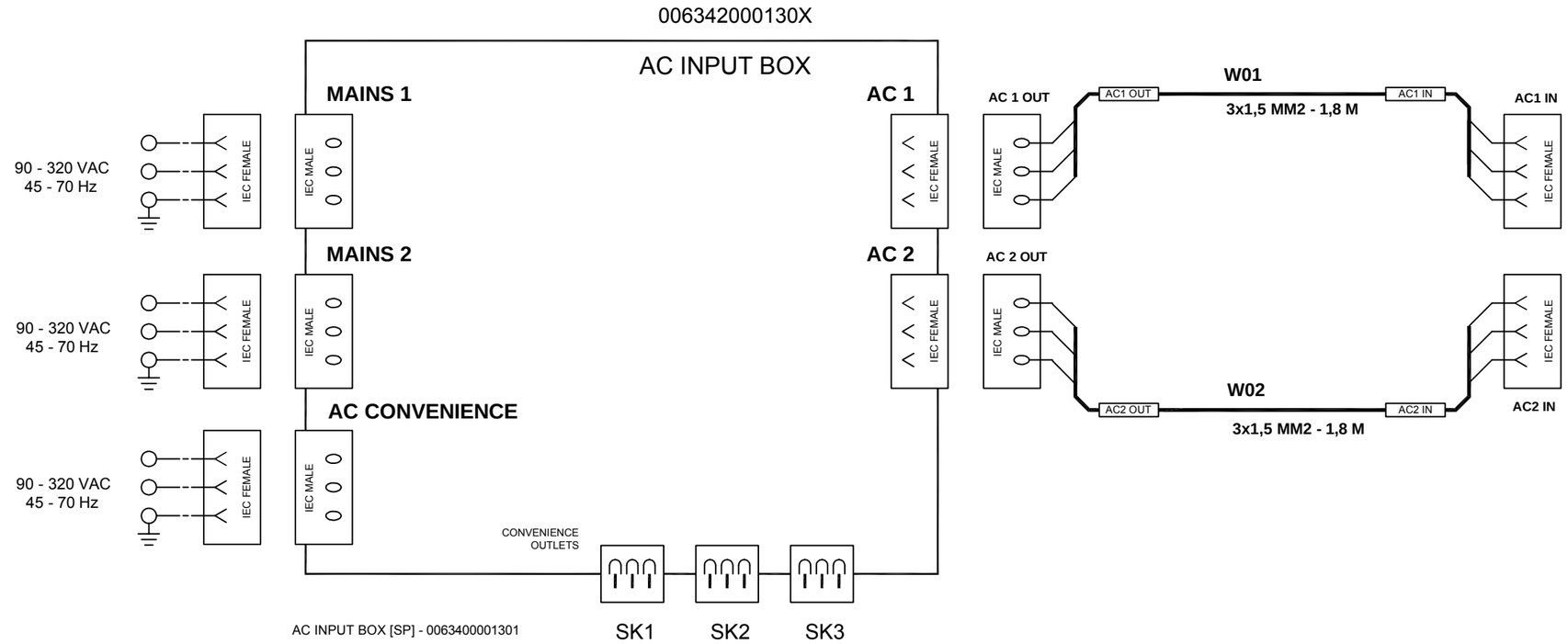
PARA TERMINALES / FOR TERMINALS

H6	H7	H8	H9	H10	H11	H12	H13	H14	H15	H22	H23
1	12	8	14	22	8	10	10			3	12

PARA CABLES / FOR WIRES

H25	H26	H27
16	16	16

0063420001201	MISCELLANEOUS [HP][2 MTU]	WIRING
0063440001110 to 1160	Cable Assembly W01 to W06	
0063440001160 to 1210	Cable Assembly W08 to W11	
0063440001230 to 1460	Cable Assembly W13 to W36	
0063440001480 to 1550	Cable Assembly W38 to W45	
0063440001570 to 1580	Cable Assembly W47 to W48	
0063440001600 to 1680	Cable Assembly W50 to W58	
0063440001700 to 1710	Cable Assembly W60 to W61	
0063440001730 to 1860	Cable Assembly W63 to W76	



AC INPUT BOX [SP] - 0063400001301

AC INPUT BOX [AU/NZ] - 0063400001302

AC INPUT BOX [USA] - 0063400001303

AC INPUT BOX [UK] - 0063400001304

NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

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indra	N° DE PLANO *DRAWING N°* 00634 2 00010 09		TIPO *TYPE* DE	ORD. 00	ED RV A3
	CLASIFICACIÓN	*CLASSIFICATION*	Nº CONTRATO	*CONTR. NUM*	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 5 / 16		

FRM-A2-H1-INDRA
09-06-08

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0063420005100

POWER SUPPLY 2 (PSU2) [Down]

PSU2 FEED

LOAD LOAD BATTERY BATTERY LOAD COMMON LOAD COMMON LOAD COMMON LOAD COMMON BATTERY COMMON BATTERY COMMON

1 2 3 4 5 6 7 8 9 10 11 12

TB2-18 TB2-2 BI2-OUT1+ BI2-OUT2+ TB2-10 TB2-30 BI2_OUT1- BI2_OUT2-

PS2-1 PS2-2 PS2-5 PS2-6 PS2-7 PS2-8 PS2-11 PS2-12

W08 — 1.5 MM2 - 0.85 M

W09 — W10

BI2_OUT1+ AWG10-RED
BI2_OUT2+ AWG10-BLACK
BI2_OUT1- AWG10-RED
BI2_OUT2- AWG10-BLACK

0063420005100

POWER SUPPLY 1 (PSU1) [Up]

PSU1 FEED

BATTERY COMMON BATTERY COMMON LOAD COMMON LOAD COMMON LOAD COMMON LOAD COMMON BATTERY BATTERY LOAD LOAD

12 11 10 9 8 7 6 5 4 3 2 1

BI1_OUT2- BI1_OUT1- TB1-30 TB1-10 BI1-OUT2+ BI1-OUT1+ TB1-2 TB1-18

PS1-12 PS1-11 PS1-8 PS1-7 PS1-6 PS1-5 PS1-2 PS1-1

W03 — 1.5 MM2 - 0.85 M

W05 — W04

AWG10-RED BI1_OUT1+
AWG10-BLACK BI1_OUT2+
AWG10-RED BI1_OUT1+
AWG10-BLACK BI1_OUT2+

H30 H17 4 — H3 40 — H2 5

INTERFACE PANEL TB2 [Left Hand Side Rear View]

INTERFACE PANEL TB1 [Right Hand Side Rear View]

PS2-5 PS2-6 PS2-11 PS2-12 — PS1-5 PS1-6 PS1-11 PS1-12

P2 N2 P1 N1

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40

PS2-2 PS2-7 PS2-1 PS2-8 — PS1-2 PS1-7 PS1-2 PS1-8

H4 10 — H35 8 — H5 4

W08 — TB2-2 TB2-10 TB2-18 TB2-30 — W09 — W03

AWG10-RED AWG10-BLACK AWG10-RED AWG10-BLACK

W09 — TB1-2 TB1-10 TB1-18 TB1-30 — W04

AWG10-RED AWG10-BLACK AWG10-RED AWG10-BLACK

AC PSU2 — AC PSU21

AC PSU2 — PSU2 — IEC MALE — IEC FEMALE

H1 2 — AC2 — IEC MALE FILTERED

W76

3x1,5 mm2
BLUE - BROWN - YELLOW/GREEN

MISCELLANEOUS

0063420001201

0063480003700PM00

PSU1 — AC PSU1 — IEC FEMALE — IEC MALE

AC1 — IEC MALE FILTERED — H1 2

W76

3x1,5 mm2
BLUE - BROWN - YELLOW/GREEN

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

x2 ABRAZADERAS TIPO NX-3 O EQUIVALENTE
x2 TUERCAS ENJAULADA M6
x4 TORNILLOS M6X16 MM + DIN 125 WASHER + DIN 127 WASHER

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

x2 NX-3 PLASTIC CLIPS TYPE OR EQUIVALENT
x2 CAGE NUTS M6
x4 SCREWS M6X16 MM + DIN 125 WASHER + DIN 127 WASHER

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 09		TIPO *TYPE* DE	ORD. 00	ED RV A3
INDRA SISTEMAS S.A.	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 6 / 16		

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09-06-08

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0063420005100

POWER SUPPLY 2 (PSU2) [Down]

PSU2 FEED

LOAD | LOAD | BATTERY | BATTERY | LOAD COMMON | LOAD COMMON | LOAD COMMON | LOAD COMMON | BATTERY COMMON | BATTERY COMMON

1 2 3 4 5 6 7 8 9 10 11 12

BI2-OUT1+ BI2-OUT2+ BI2_OUT1- BI2_OUT2-

PS2-5 PS2-6 PS2-11 PS2-12

W08 — 1,5 MM2 - 0.85 M

W10

BI2_OUT1+ AWG10-RED
BI2_OUT2+ AWG10-BLACK
BI2_OUT1- AWG10-RED
BI2_OUT2- AWG10-BLACK

0063420005100

[Up] POWER SUPPLY 1 (PSU1)

PSU1 FEED

BATTERY COMMON | BATTERY COMMON | LOAD COMMON | LOAD COMMON | LOAD COMMON | LOAD COMMON | BATTERY | BATTERY | LOAD | LOAD

12 11 10 9 8 7 6 5 4 3 2 1

BI1_OUT2- BI1_OUT1- BI1-OUT2+ BI1-OUT1+

PS1-12 PS1-11 PS1-6 PS1-5

W05

BI1_OUT1- AWG10-RED
BI1_OUT2- AWG10-BLACK
BI1_OUT1+ AWG10-RED
BI1_OUT2+ AWG10-BLACK

W03 — 1.5 MM2 - 0.85 M

0063480003700PM00

H30 | H17 / 4

INTERFACE PANEL TB2 [Left Hand Side Rear View]

INTERFACE PANEL TB1 [Right Hand Side Rear View]

PS2-5 PS2-6 PS2-11 PS2-12 — P2 N2 P1 N1 — 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 / 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40

PS1-5 PS1-6 PS1-11 PS1-12 — P2 N2 P1 N1 — 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 / 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40

BTT2+ BTT2- — BI2_IN1+ BI2_IN1-

BTT1+ BTT1- — BI1_IN1+ BI1_IN2-

W11 — AWG10-RED / AWG10-BLACK

W06 — AWG10-RED / AWG10-BLACK

W08 — AC PSU2

W03 — AC PSU1

AC PSU2 — IEC MALE

PSU2 — IEC FEMALE

AC2 — IEC MALE FILTERED

W76 — 3x1,5 mm2 BLUE - BROWN - YELLOW/GREEN

BI2_IN1- BI2_IN1+ — BTT2- BTT2+ — M12V90FT (-) M12V90FT (+)

BI1_IN1- BI1_IN1+ — BTT1- BTT1+ — M12V90FT (-) M12V90FT (+)

MISCELLANEOUS

0063420001201

PSU1 — IEC FEMALE

AC PSU1 — IEC MALE

AC1 — IEC MALE FILTERED

W76 — 3x1,5 mm2 BLUE - BROWN - YELLOW/GREEN

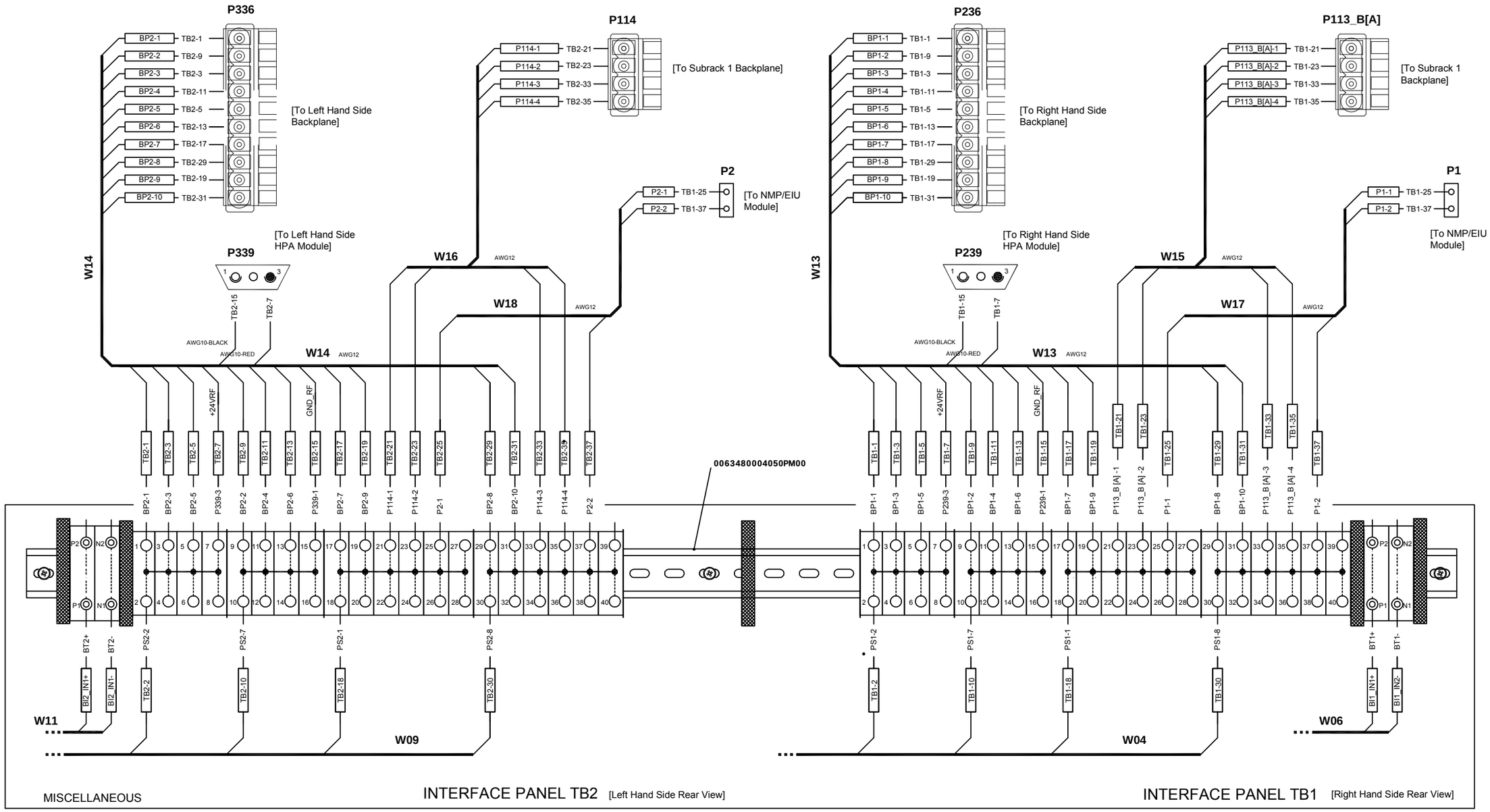
1 x4 BATTERIES 86AH P/N: NAMF120090HM0FA - Indra 1260116000700

INDRA SISTEMAS S.A.	N° DE PLANO *DRAWING N°* 00634 2 00010 09	TIPO *TYPE* DE	ORD. 00	ED RV A3	
CAGE CODE 0177B / 0178B	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 7 / 16		

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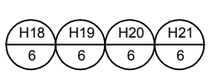
MISCELLANEOUS

INTERFACE PANEL TB2 [Left Hand Side Rear View]

INTERFACE PANEL TB1 [Right Hand Side Rear View]

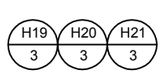
0063420001201

MONTAJE DE REAR PATCH PANEL COVER



REAR PATCH PANEL COVER ASSEMBLY

MONTAJE DE DIN RAIL 7S35x7,5



DIN RAIL TS35x7.5 ASSEMBLY

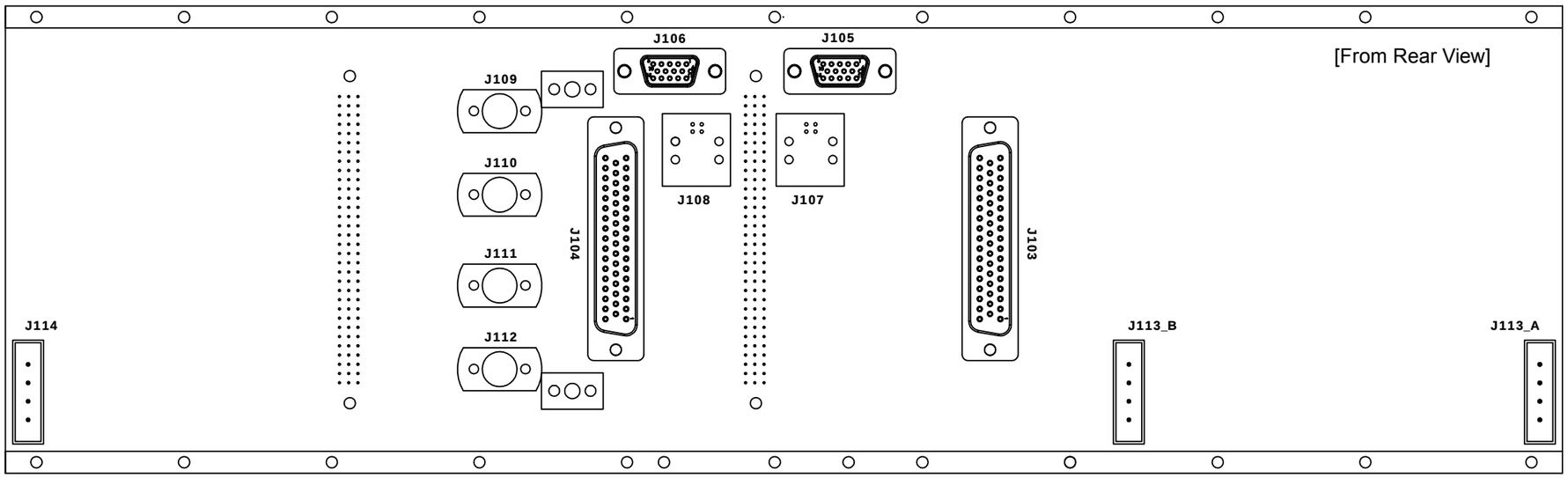
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	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 8 / 16		

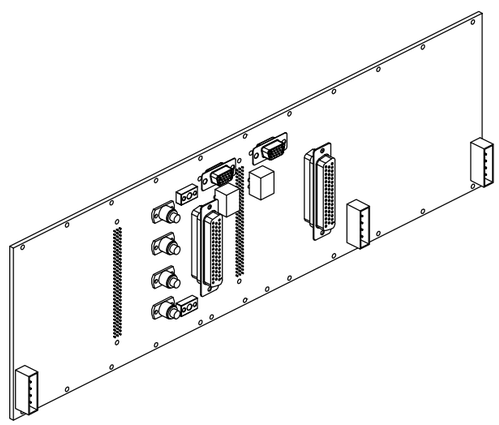
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09-06-08

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SUBRACK 1
MOTHER BOARD

0063430003000





METALWORKS		SUBRACK 1	
1	M01125012LPA0	Screw M2.5*12 DIN 7985	24
2	1509009012021	Screw M2.5x12,3 RAN	4
3	1589990340000	Manguito de protección	4
4	1709981061000	ESD pin. Ref. H12	4
5	1229990750000	GND Lead	1

0063430003000LM00		SUBRACK 1 MOTHER BOARD	
1	...	...	
2	M01125012LPA0	Screw M2.5*12 DIN 7985	24
3	M01125010LPA0	Screw M2.5x10 DIN 7985	4
4	M01125008LPA0	Screw M2.5x8 DIN 7985	4
5	M151250125AA0	Washer M2.5 DIN 125	32
6	M151250127EA0	Washer M2.5 DIN 127	32
7	M01120010LPA0	Screw M2*10 DIN 7985	6
8	M151200125AA0	Washer M2 DIN 125	12
9	M151200127EA0	Washer M2 DIN 127	6
10	M101250934EA0	Nut M2.5 DIN 934	4
11	M101200934EA0	Nut M2 DIN 934	6

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE SUBRACK 1 MOTHERBOARD:
x4 M2.5X8mm DIN 7985 + DIN 127 + DIN 125 - LOS CENTRADORES HEMBRA
x4 M2.5X10mm DIN 7985 + DIN 127 + DIN 125 + DIN 934 - J101, J102
x24 M2.5X12mm DIN 7985 + DIN 127 + DIN 125 - FIJACIÓN A SUBRACK 1
x6 M2X10mm DIN 7985 + DIN 127 + 2 DIN 125 + DIN 934 - CONECTORES SMB

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

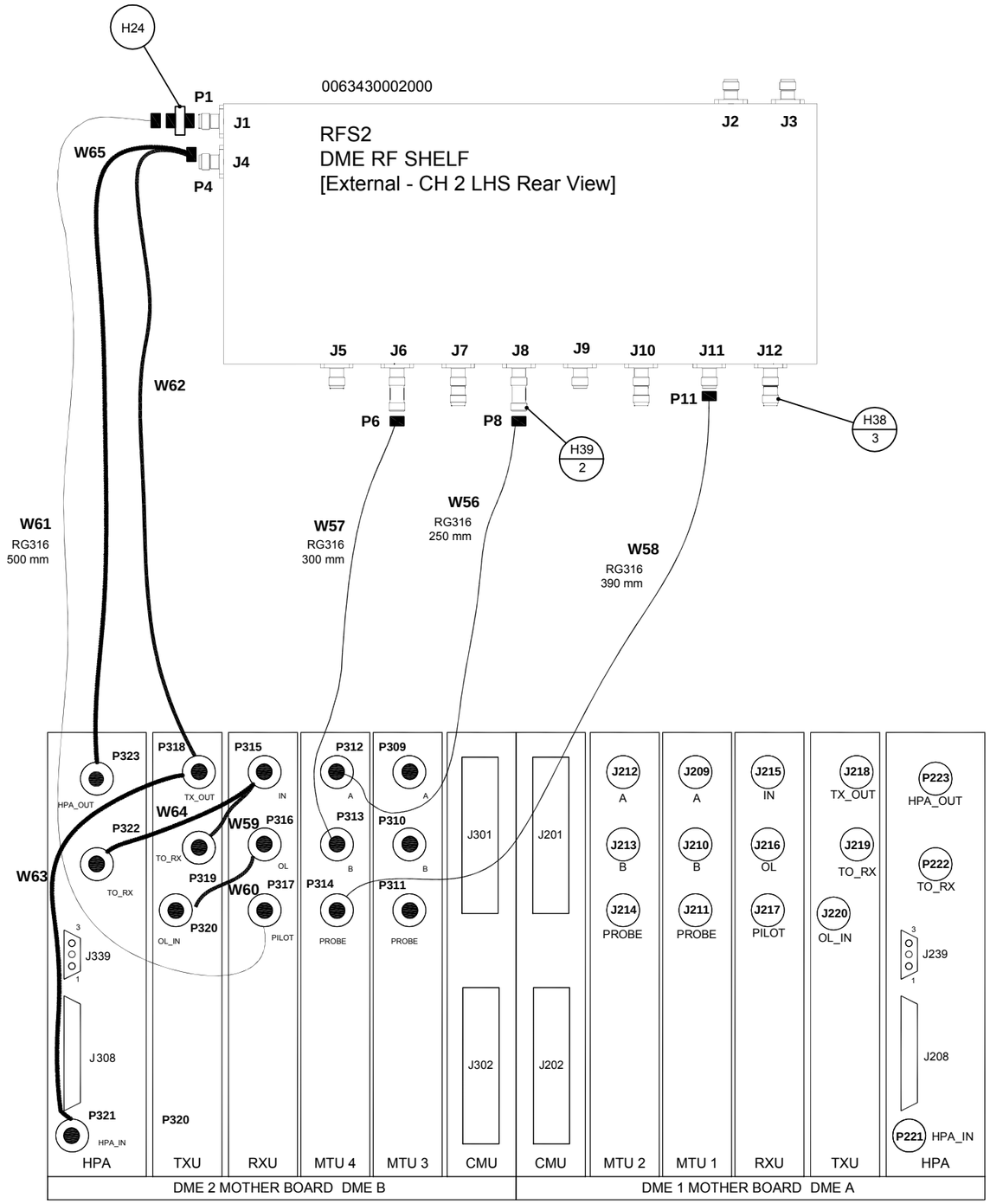
SUBRACK 1 MOTHERBOARD ASSEMBLY:
x4 M2.5X8mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - FEMALE POSITIONERS
x4 M2.5X10mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER + DIN 934 - J101, J102
x24 M2.5X12mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - MOTHER BOARD 1 TO SUBRACK
x6 M2X10mm DIN 7985 + DIN 127 WASHER + 2 DIN 125 WASHER + DIN 934 - SMB CONNECTORS

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	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO		*CONTR. NUM*
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 9 / 16		

FRM-A2-H1-INDRA
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REAR VIEW VISTA DESDE ATRAS

MISCELLANEOUS - 0063420001202

ASSEMBLY WIRES/CAB LES - LOW POWER VERSION

W53 - RG316 275 MM - NU IN 2 MTU CONFIGURATIONS
W54 - RG316 355 MM - NU IN 2 MTU CONFIGURATIONS
W55 - RG316 420 MM - NU IN 2 MTU CONFIGURATIONS
W56 - RG316 250 MM
W57 - RG316 300 MM
W58 - RG316 390 MM
W59 - EZ141 130 MM
W60 - EZ141 130 MM
W61 - RG316 500 MM
W62 - EZ141 340 MM

MISCELLANEOUS - 0063420001201

ASSEMBLY WIRES/CAB LES - HIGH POWER VERSION

W53 - RG316 275 MM - NU IN 2 MTU CONFIGURATIONS
W54 - RG316 355 MM - NU IN 2 MTU CONFIGURATIONS
W55 - RG316 420 MM - NU IN 2 MTU CONFIGURATIONS
W56 - RG316 250 MM
W57 - RG316 300 MM
W58 - RG316 390 MM
W60 - EZ141 130 MM
W61 - RG316 500 MM
W63 - EZ141 430 MM
W64 - EZ141 270 MM
W65 - EZ141 230 MM

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE LOS M DULOS RF SHELF:
x8 M3X18mm DIN 7985 + PLANA + GROWER
x4 M4X8mm DIN 7985 + PLANA + GROWER

NOTES:

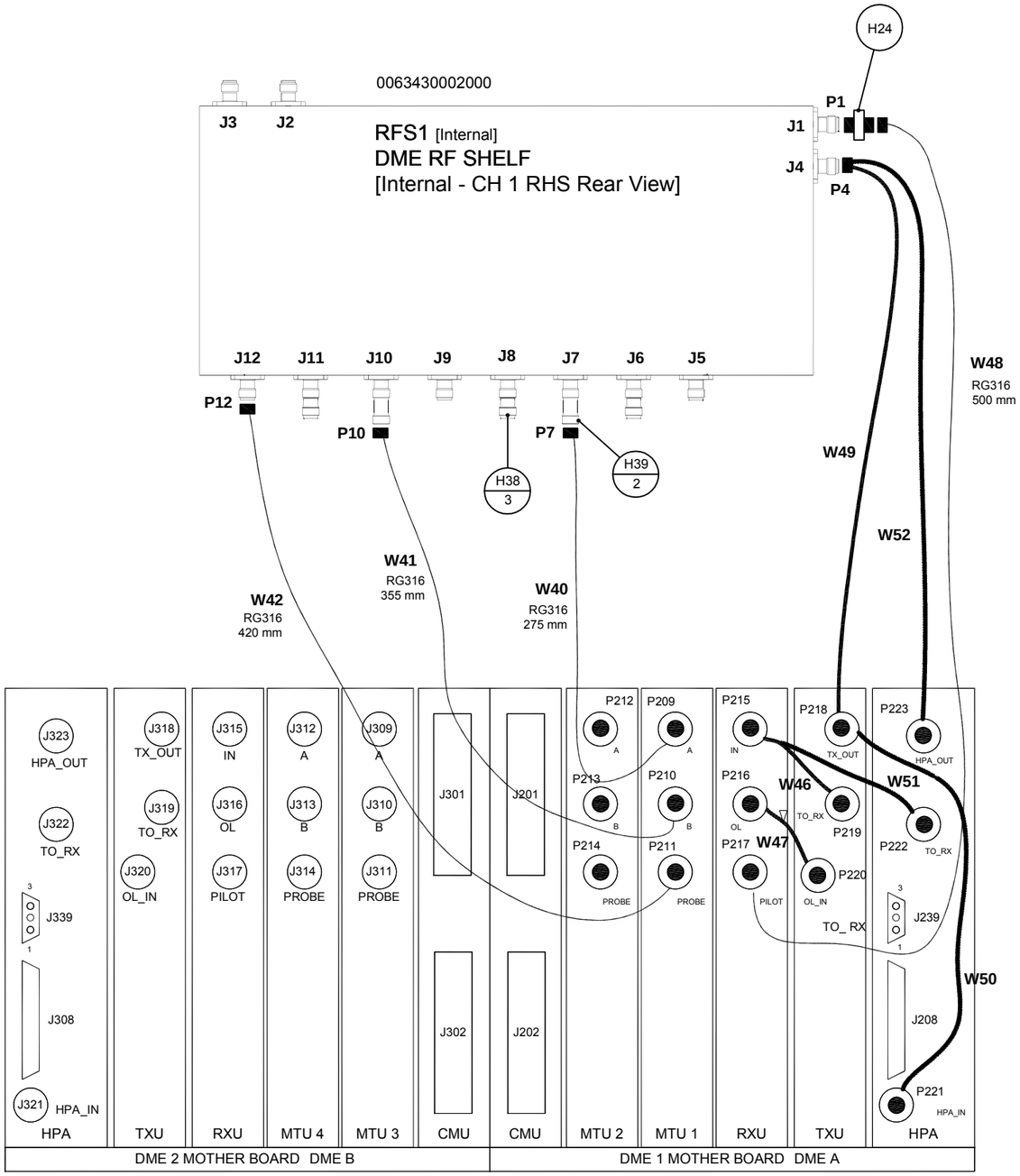
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

RF SHELF MODULES ASSEMBLY:
x8 M3X18mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER
x4 M4X8mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER

indra	N DE PLANO *DRAWING N°* 00634 2 00010 09		TIPO *TYPE* DE	ORD. 00	ED RV A3
	CLASIFICACI N	*CLASSIFICATION*	N CONTRATO		*CONTR. NUM*
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 10 / 16		

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REAR VIEW VISTA DESDE ATRAS

MISCELLANEOUS - 0063420001202

ASSEMBLY WIRES/CAB LES - LOW POWER VERSION

W40 - RG316 275 MM
W41 - RG316 355 MM
W42 - RG316 420 MM
W43 - RG316 250 MM - NU IN 2 MTU CONFIGURATIONS
W44 - RG316 300 MM - NU IN 2 MTU CONFIGURATIONS
W45 - RG316 390 MM - NU IN 2 MTU CONFIGURATIONS
W46 - EZ141 130 MM
W47 - EZ141 130 MM
W48 - RG316 500 MM
W49 - EZ141 375 MM

MISCELLANEOUS - 0063420001201

ASSEMBLY WIRES/CAB LES - HIGH POWER VERSION

W40 - RG316 275 MM
W41 - RG316 355 MM
W42 - RG316 420 MM
W43 - RG316 250 MM - NU IN 2 MTU CONFIGURATIONS
W44 - RG316 300 MM - NU IN 2 MTU CONFIGURATIONS
W45 - RG316 390 MM - NU IN 2 MTU CONFIGURATIONS
W47 - EZ141 130 MM
W48 - RG316 500 MM
W50 - EZ141 410 MM
W51 - EZ141 270 MM
W52 - EZ141 255 MM

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE LOS M DULOS RF SHELF:
x8 M3X18mm DIN 7985 + PLANA + GROWER
x4 M4X8mm DIN 7985 + PLANA + GROWER

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

RF SHELF MODULES ASSEMBLY:
x8 M3X18mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER
x4 M4X8mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER

indra	N DE PLANO *DRAWING N°* 00634 2 00010 09		TIPO *TYPE* DE	ORD. 00	ED RV A3
	CLASIFICACI N *CLASSIFICATION*		N CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 11 / 16		

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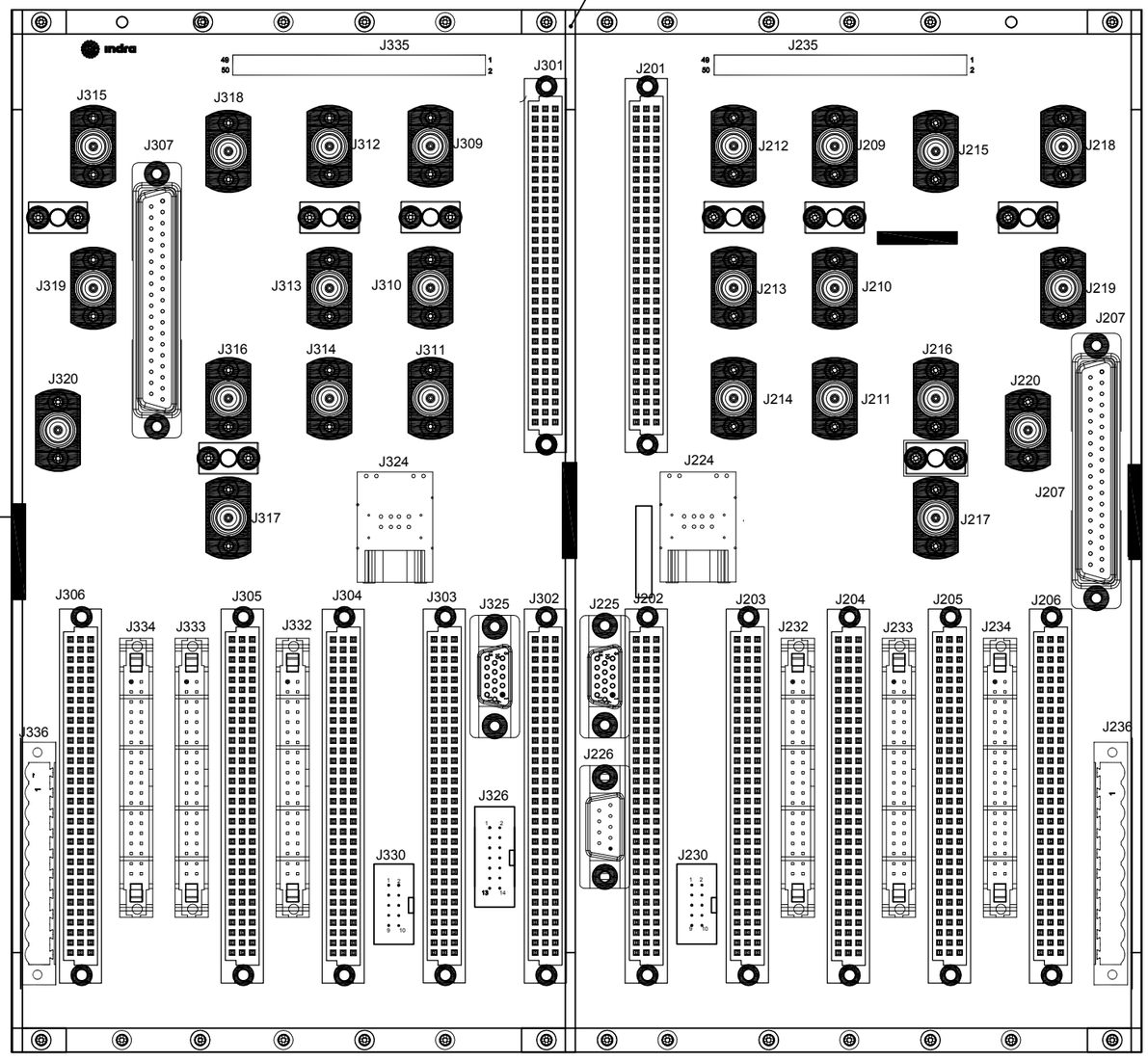
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0024780004070PM00

3

SUBRACK 2
MOTHER BOARD

0063430005700



METALWORKS		SUBRACK 2	
1	1709981061000	ESD pin Ref. H12	26
2	1229990750000	GND Lead	1

0063430005700LM00		SUBRACK 2 MOTHER BOARD	
1	...	...	
2	M01125016LPA0	Screw M2.5*16 DIN 7985	6
3	M01125012LPA0	Screw M2.5x12 DIN 7985	22
4	M01125008LPA0	Screw M2.5x8 DIN 7985	16
5	M151250125AA0	Washer M2.5 DIN 125	44
6	M151250127EA0	Washer M2.5 DIN 127	44
7	1540109000050	Washer M2.5 NYLON	16
8	M01120010LPA0	Screw M2*10 DIN 7985	44
9	M151200125AA0	Washer M2 DIN 125	88
10	M151200127EA0	Washer M2 DIN 127	44
11	M101200934EA0	Nut M2 DIN 934	44
12	M01130006LPA0	Screw M3*6 DIN 7985	10
13	M151300125AA0	Washer M3 DIN 125	10
14	M151300127EA0	Washer M3 DIN 127	10
15	G251511502010	Foam Acrylic TAPE 15 mm	-

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE SUBRACK 2 MOTHERBOARD:
x16 M2.5X8mm DIN 7985 + DIN 127 + DIN 125 + NYLON - CENTRADORES HEMBRA
x22 M2.5X12mm DIN 7985 + DIN 127 + DIN 125 - FIJACIÓN A SUBRACK 2
x6 M2.5X16mm DIN 7985 + DIN 127 + DIN 125 - RIGIZADORES
x44 M2X10mm DIN 7085 + DIN 127 + 2 DIN 125 + DIN 934 - CONECTORES SMB
x10 M3X6mm DIN 7985 + DIN 127 + DIN 125 - CONECTORES SUB-D

COMPROBAR QUE LA PCB SUBRACK 2 MOTHER BOARD TIENE MONTADAS LAS TRES TIRAS DE ESPUMA ADHESIVA PARA EVITAR CORTOCIRCUITOS CON LOS RIGIZADORES.

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

SUBRACK 2 MOTHERBOARD ASSEMBLY:
x16 M2.5X8mm DIN 7985 + DIN 127 WASHER+ DIN 125 WASHER + NYLON - FEMALE POSITIONERS
x22 M2.5X12mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - MB TO SUBRACK 2
x6 M2.5X16mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - STIFFENERS 6U
x44 M2X10mm DIN 7085 + DIN 127 WASHER + 2 DIN 125 WASHER + DIN 934 NUT - SMB CONECTORS
x10 M3X6mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - SUB-D CONECTORS

CHECK THE THREE PROTECTIVE FOAM TAPES ARE FITTED ON SUBRACK 2 MOTHER BOARD PBA TO AVOID SHORT CIRCUITS AFTER MOUNTING MOTHER BOARD STIFFENERS

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 09		TIPO *TYPE* DE	ORD. 00	ED RV A2
	CLASIFICACIÓN	*CLASSIFICATION*	Nº CONTRATO	*CONTR. NUM*	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 13 / 16		

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09-06-08

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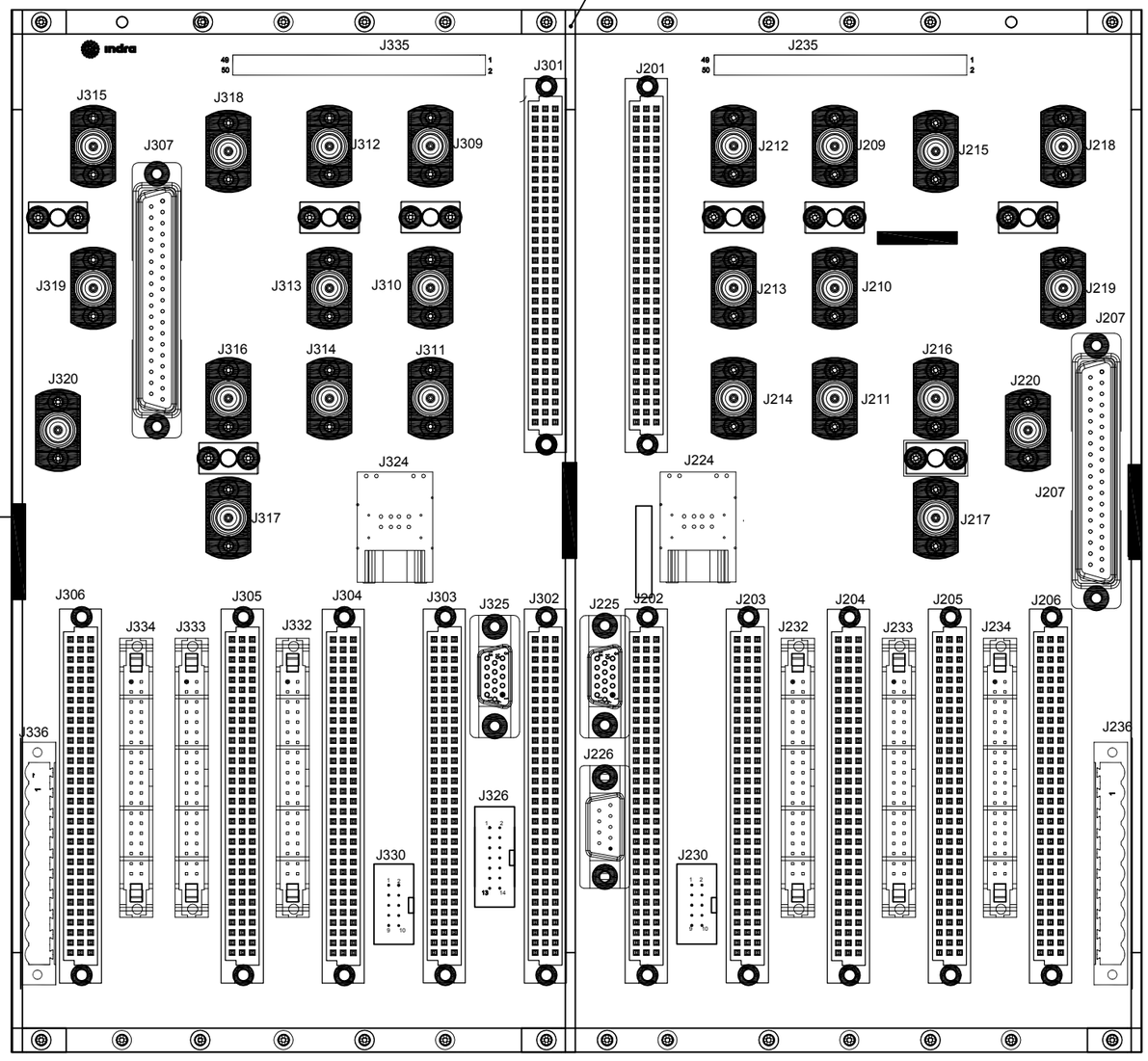
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0024780004070PM00

3

SUBRACK 2
MOTHER BOARD

0063430005700



FROM THE BACK

FROM THE BACK

METALWORKS		SUBRACK 2	
1	1709981061000	ESD pin Ref. H12	26
2	1229990750000	GND Lead	1

0063430005700LM00		SUBRACK 2 MOTHER BOARD	
1	...	...	
2	M01125016LPA0	Screw M2.5*16 DIN 7985	6
3	M01125012LPA0	Screw M2.5x12 DIN 7985	22
4	M01125008LPA0	Screw M2.5x8 DIN 7985	16
5	M151250125AA0	Washer M2.5 DIN 125	44
6	M151250127EA0	Washer M2.5 DIN 127	44
7	1540109000050	Washer M2.5 NYLON	16
8	M01120010LPA0	Screw M2*10 DIN 7985	44
9	M151200125AA0	Washer M2 DIN 125	88
10	M151200127EA0	Washer M2 DIN 127	44
11	M101200934EA0	Nut M2 DIN 934	44
12	M01130006LPA0	Screw M3*6 DIN 7985	10
13	M151300125AA0	Washer M3 DIN 125	10
14	M151300127EA0	Washer M3 DIN 127	10
15	G251511502010	Foam Acrylic TAPE 15 mm	-

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE SUBRACK 2 MOTHERBOARD:
x16 M2.5X8mm DIN 7985 + DIN 127 + DIN 125 + NYLON - CENTRADORES HEMBRA
x22 M2.5X12mm DIN 7985 + DIN 127 + DIN 125 - FIJACIÓN A SUBRACK 2
x6 M2.5X16mm DIN 7985 + DIN 127 + DIN 125 - RIGIZADORES
x44 M2X10mm DIN 7085 + DIN 127 + 2 DIN 125 + DIN 934 - CONECTORES SMB
x10 M3X6mm DIN 7985 + DIN 127 + DIN 125 - CONECTORES SUB-D

COMPROBAR QUE LA PCB SUBRACK 2 MOTHER BOARD TIENE MONTADAS LAS TRES TIRAS DE ESPUMA ADHESIVA PARA EVITAR CORTOCIRCUITOS CON LOS RIGIZADORES.

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

SUBRACK 2 MOTHERBOARD ASSEMBLY:
x16 M2.5X8mm DIN 7985 + DIN 127 WASHER+ DIN 125 WASHER + NYLON - FEMALE POSITIONERS
x22 M2.5X12mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - MB TO SUBRACK 2
x6 M2.5X16mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - STIFFENERS 6U
x44 M2X10mm DIN 7085 + DIN 127 WASHER + 2 DIN 125 WASHER + DIN 934 NUT - SMB CONECTORS
x10 M3X6mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - SUB-D CONECTORS

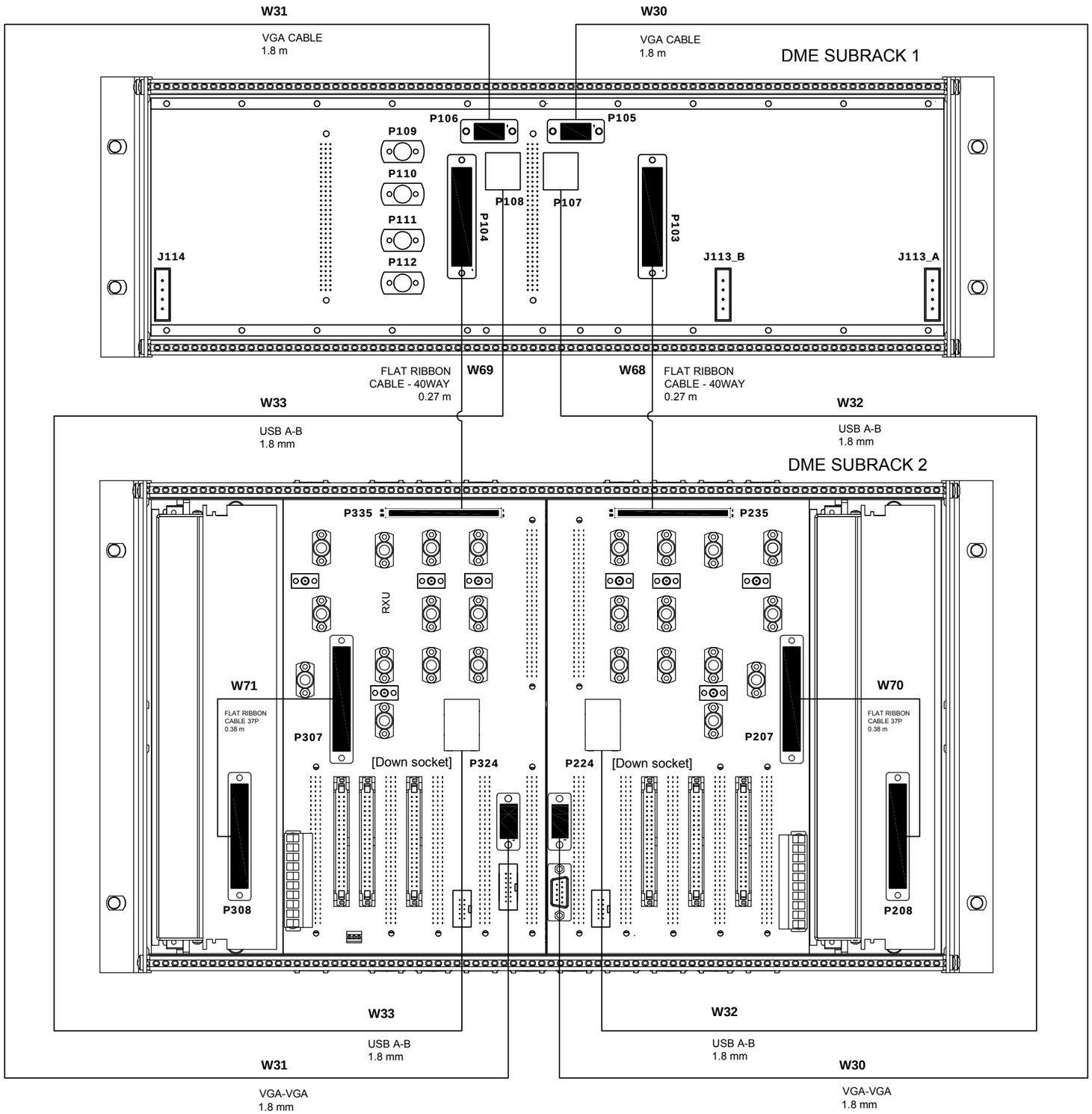
CHECK THE THREE PROTECTIVE FOAM TAPES ARE FITTED ON SUBRACK 2 MOTHER BOARD PBA TO AVOID SHORT CIRCUITS AFTER MOUNTING MOTHER BOARD STIFFENERS

indra	Nº DE PLANO *DRAWING Nº* 00634 2 00010 09		TIPO *TYPE* DE	ORD. 00	ED RV A2
	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 13 / 16		

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NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE CABLES ETH, VGA, USB:
x7 TORNILLOS M6X12 MM AUTOROSCABLES
x2 ABRAZADERAS TIPO NX-3 O EQUIVALENTE
x2 ABRAZADERAS TIPO NX-5 O EQUIVALENTE
x1 ABRAZADERA TIPO NX-6 O EQUIVALENTE
x2 ABRAZADERA TIPO NX-8 O EQUIVALENTE
x2 BASES DE BRIDA TORNILLO BLANCAS
x2 TORNILLOS M4X6 MM DIN 7985

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

ETH, VGA, USB WIRING ASSEMBLY:
x7 SCREWS M6X12 MM AUTO
x2 NX-3 PLASTIC CLIPS TYPE OR EQUIVALENT
x2 NX-5 PLASTIC CLIPS TYPE OR EQUIVALENT
x1 NX-6 PLASTIC CLIPS TYPE OR EQUIVALENT
x2 NX-8 PLASTIC CLIPS TYPE OR EQUIVALENT
x2 WHITE BASE-SCREW PLASTIC CLIP
x2 SCREWS M4X6 MM DIN 7985

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 09		TIPO *TYPE* DE	ORD. 00	ED RV A3
	CLASIFICACIÓN	*CLASSIFICATION*	N° CONTRATO	*CONTR. NUM*	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 14 / 16		

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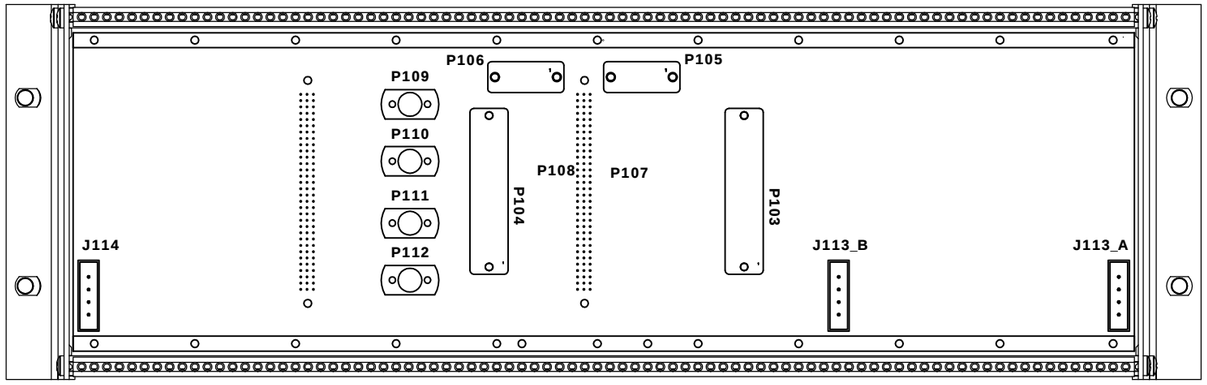
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[From Interface Panel TB2
Left Hand Side Rear View]

P114

P114-1 — TB2-21
P114-2 — TB2-23
P114-3 — TB2-33
P114-4 — TB2-35

DME SUBRACK 1

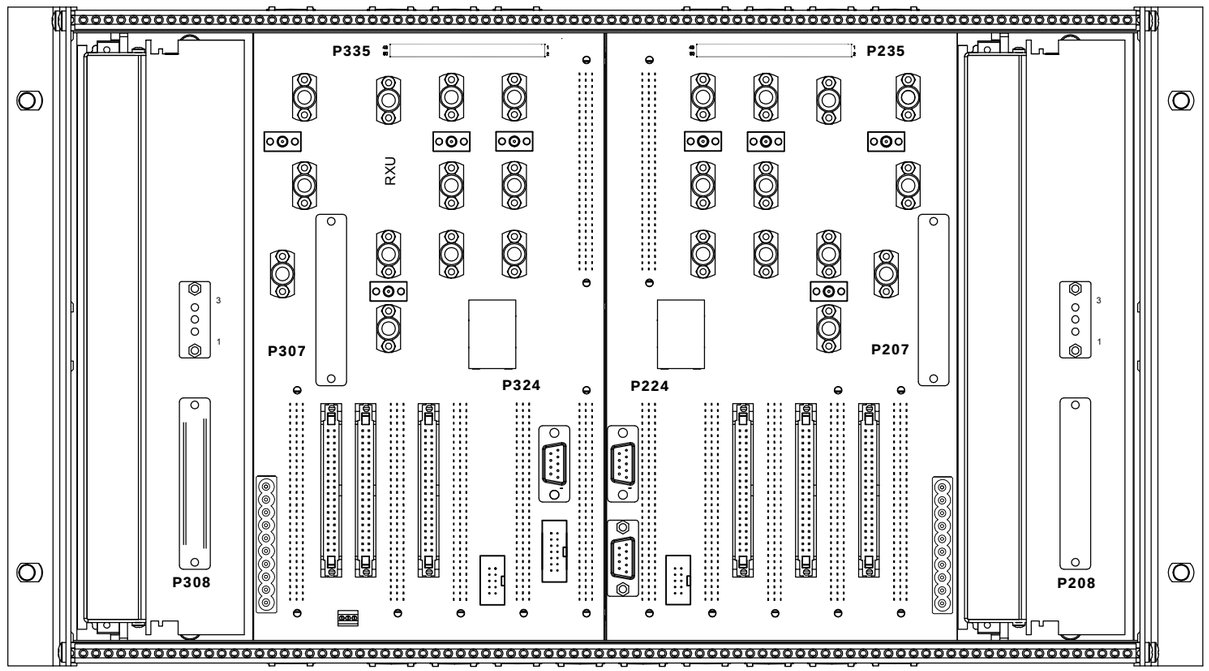


[From Interface Panel TB1
Right Hand Side Rear View]

P113_B[A]

TB1-21 — P113_B[A]-1
TB1-23 — P113_B[A]-2
TB1-33 — P113_B[A]-3
TB1-35 — P113_B[A]-4

DME SUBRACK 2



P339

P339-1 — TB2-15
P339-3 — TB2-7

P239

TB1-7 — P239-3
TB1-15 — P239-1

P336

BP2-1 — TB2-1
BP2-2 — TB2-9
BP2-3 — TB2-3
BP2-4 — TB2-11
BP2-5 — TB2-5
BP2-6 — TB2-13
BP2-7 — TB2-17
BP2-8 — TB2-29
BP2-9 — TB2-19
BP2-10 — TB2-31

P236

TB1-1 — BP1-1
TB1-9 — BP1-2
TB1-3 — BP1-3
TB1-11 — BP1-4
TB1-5 — BP1-5
TB1-13 — BP1-6
TB1-17 — BP1-7
TB1-29 — BP1-8
TB1-19 — BP1-9
TB1-31 — BP1-10

NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

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INDRA SISTEMAS S.A.	CLASIFICACIÓN	*CLASSIFICATION*	Nº CONTRATO	*CONTR. NUM*		
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 15 / 16			

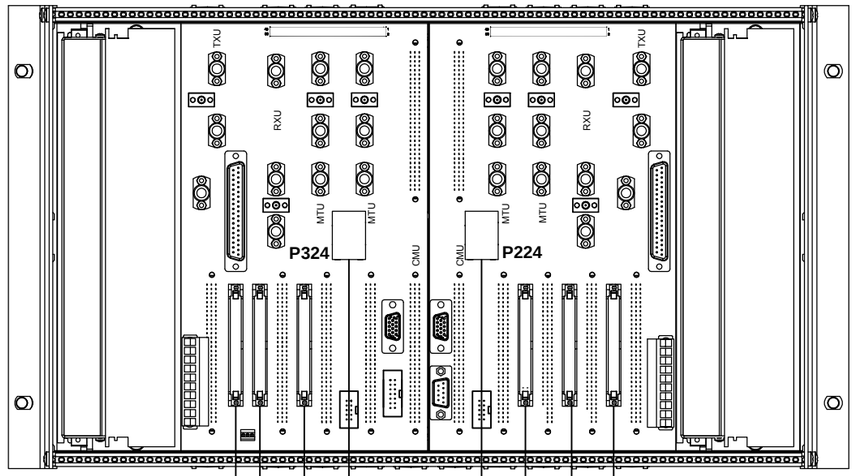
FRM-A2-H1-INDRA
09-06-08

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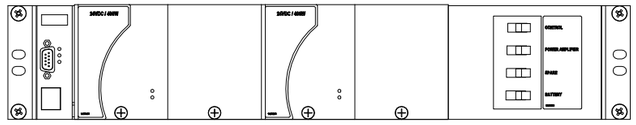
NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

DME SUBRACK 2



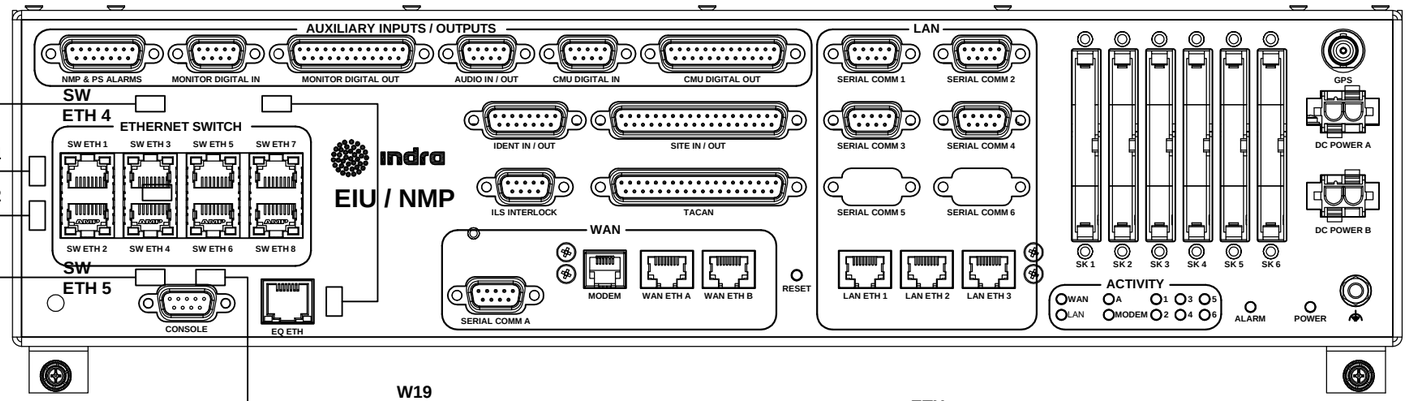
W20
W21
W29
W28
W27
W24
W25
W26
P3 P4 P5 P6 P7 P8

0063420005100
POWER SUPPLY 1 (PSU1)



ETH
PSU1

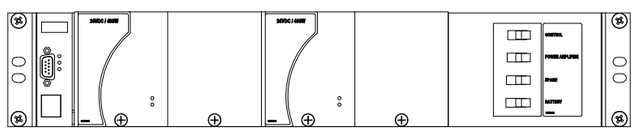
W22



P1 — W17 — [From Interface Panel TB1]
P2 — W18 — [From Interface Panel TB2]

W23
W19
ETH
LOCAL
H16

ETH
PSU2



0063420005100
POWER SUPPLY 2 (PSU2)

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 09	TIPO *TYPE* DE	ORD. 00	ED RV A3
	CLASIFICACIÓN / *CLASSIFICATION*	Nº CONTRATO / *CONTR. NUM*		
INDRA SISTEMAS S.A.				
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 16 / 16	

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FRM-A2-H1-INDRA
09-06-08

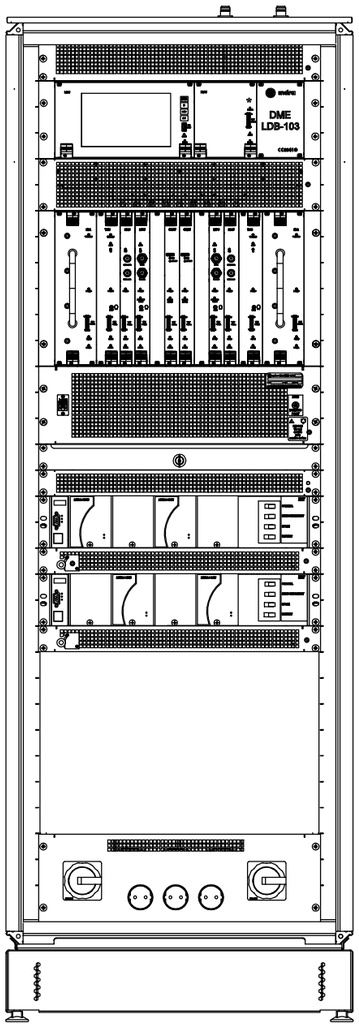
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4.2.4 HIGH POWER DME CABINET [0063420001010]

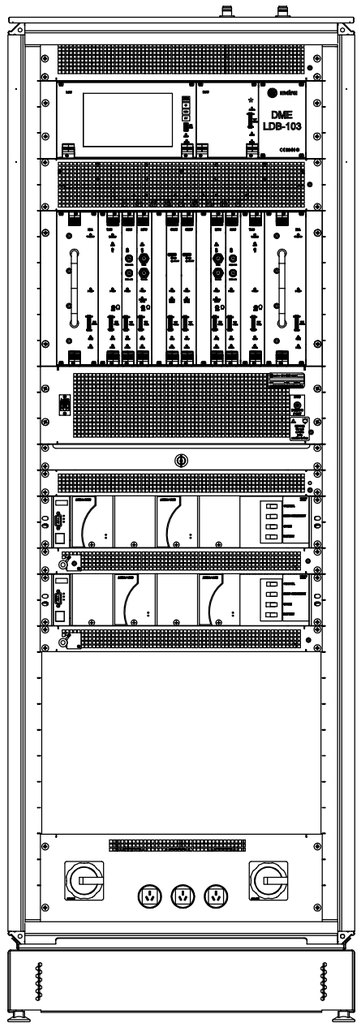
DME CABINET drawings [0063420001010DE00]

(19 pages attached)

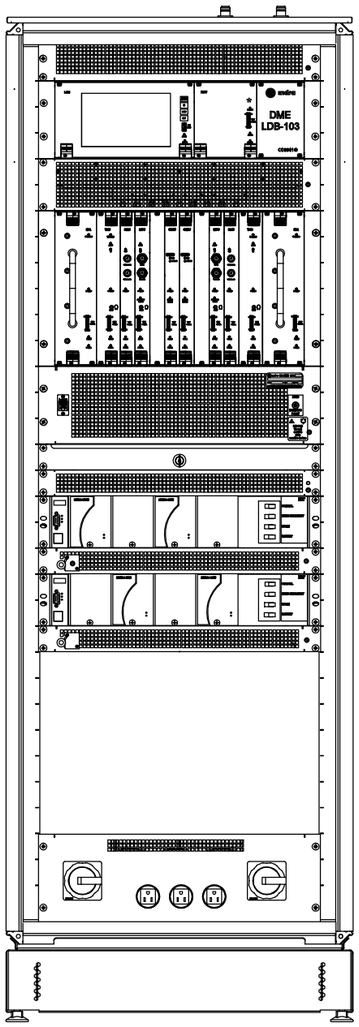
ED/RV	MODIFICACIÓN *MODIFICATION*	DIBUJA *DRAWN*	FECHA *DATE*	ZONA *ZONE*
A0	PRIMERA EDICIÓN / FIRST EDITION	aspro	13-07-12	
A1	REVISIÓN / REVIEW - PCI Nº. 0063420001010PC01	aspro	06-03-13	
A2	REVISIÓN / REVIEW - PCI Nº. 0063420001010PC03	mgrequera	05-12-13	



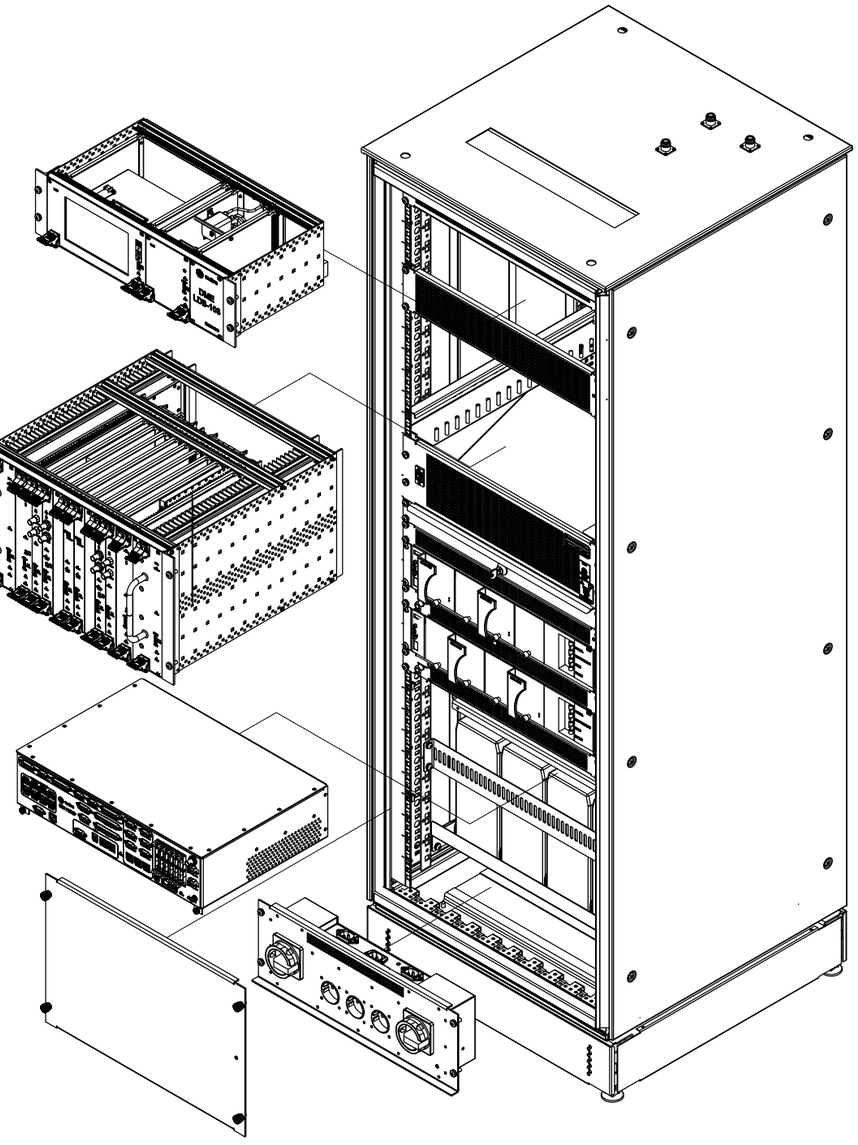
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DME LDB-103 100 W / DUAL SYSTEM
2 MONITORS - SP



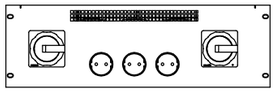
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DME LDB-103 100 W / DUAL SYSTEM
2 MONITORS - AU/NZ



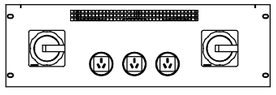
MODEL .13
DME LDB-103 100 W / DUAL SYSTEM
2 MONITORS - USA



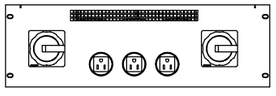
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AC INPUT BOX [SP] - 0063400001301



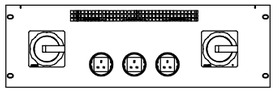
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AC INPUT BOX [AU/NZ] - 0063400001302



DETALLE / DETAIL
AC INPUT BOX [USA] - 0063400001303



DETALLE / DETAIL
AC INPUT BOX [UK] - 0063400001304



NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

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23		17	A2	11		5
22		16	A2	10		4
21		15	A2	9		3
20		14	A2	8		2
19	A2	13	A2	7		1

TOLERANCIAS GENERALES S/NORMA *GENERAL TOLERANCES P/NORME*
ISO 2768-mK
ARISTAS MATADAS CON R.-0,3 O CHAFLANES DE 0,3x45° *BREAK ALL SHARP EDGES WITH R.-0.3 OR CHAMFER OF 0,3x45°*
LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD *CAD MAINTENANCE*
MODEL:
CAD:

MATERIAL *MATERIAL*
TRATAMIENTO *TREATMENT*
ACABADO *FINISH*
RUG.SUP. *ROUGHNESS*

	PREP. *PREP*	REV. *CHECK*	APROB. *APVD*	AUTO. *AUTH*
NOMBRE *NAME*	mgreguera	jlsbuendia	jblazquez	pbravo
FECHA *DATE*	29-11-13	29-11-13	29-11-13	29-11-13

indra
INDRA SISTEMAS S.A.
CAGE CODE 0177B / 0178B

DENOMINACION *TITLE*
DME CABINET [FC][HP][DUAL MONITOR]

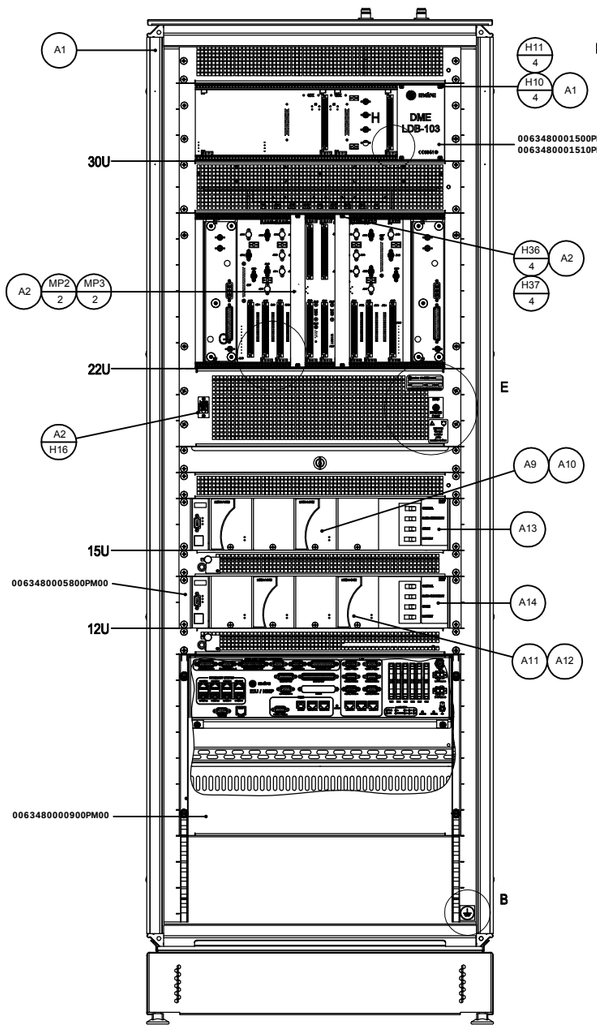
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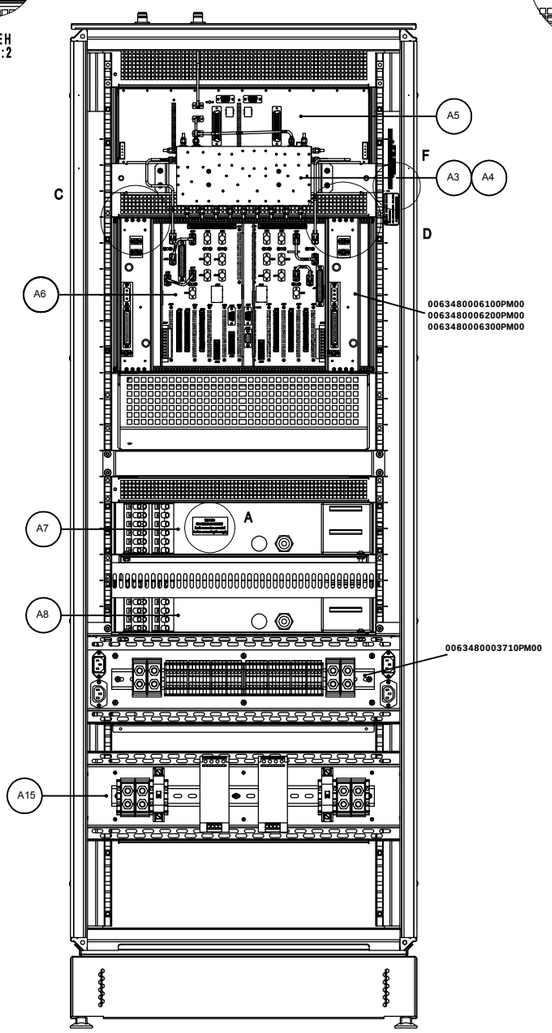
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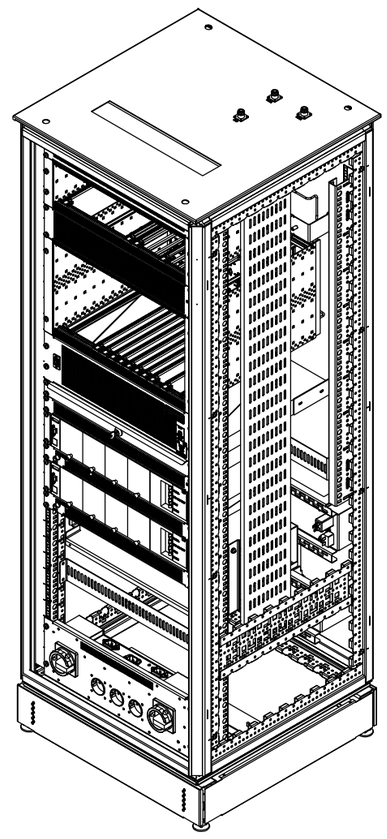
ESCALA *SCALE* N / S | FORMATO *SIZE* A1 | HOJA *SHEET* 1 / 19

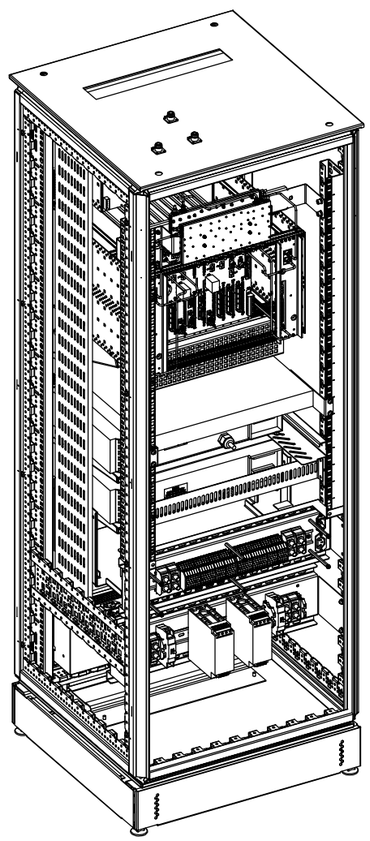
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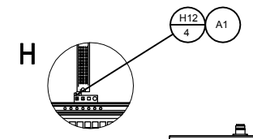
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09-06-08



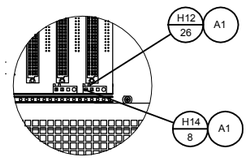




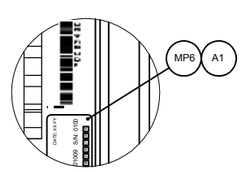




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ESCALA 1:2



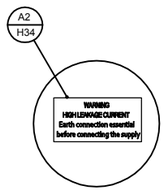
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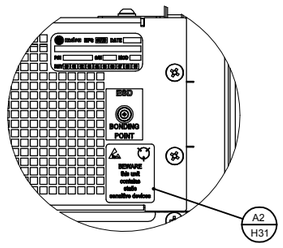
DETALLE F
ESCALA 1:2



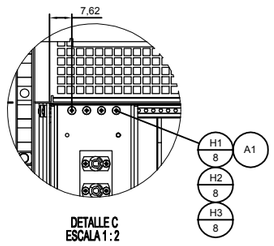
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ESCALA 1:2



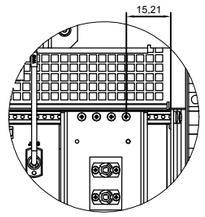
DETALLE A
ESCALA 1:2



DETALLE E
ESCALA 1:2



DETALLE C
ESCALA 1:2



DETALLE D
ESCALA 1:2

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0063420001100	A1	METALWORKS
0063420001202	A2	MISCELLANEOUS [HP][2 MTU]
0063430002000	A3, A4	RFS SHELF
0063430003000	A5	SUBRACK 1 MOTHERBOARD
0063430005700	A6	SUBRACK 2 MOTHERBOARD
0063420006200	A7, A8	POWER SUPPLY SUBRACK UNIT LRU
0063420005500	A9-A12	RECTIFIER MODULE LRU
0063420006300	A13, A14	BREAKERS SET LRU
0063420006600	A15	DC POWER KIT

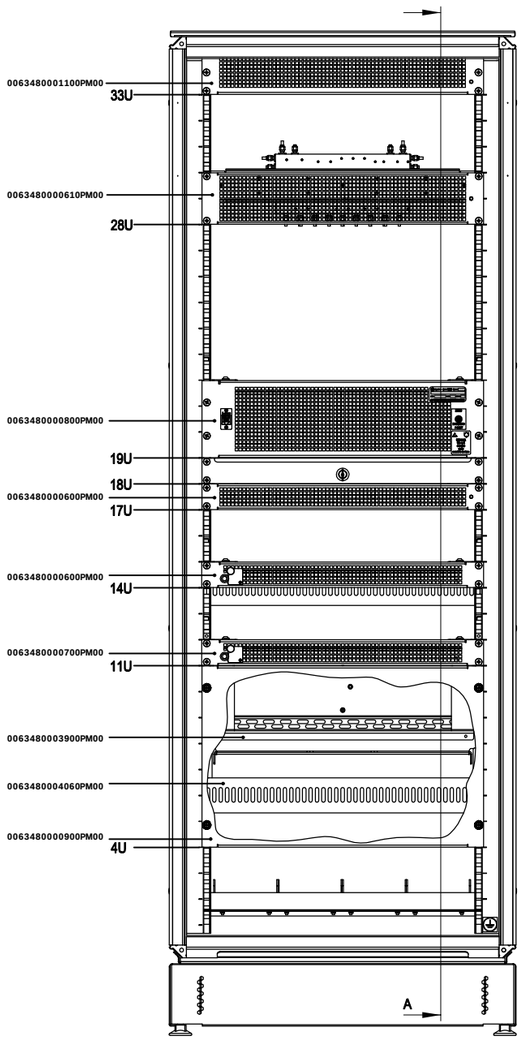
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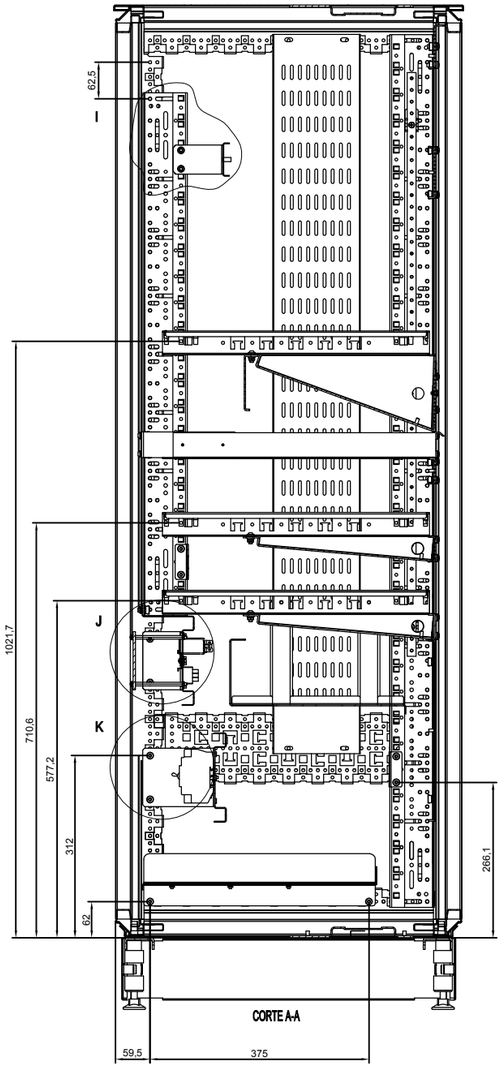
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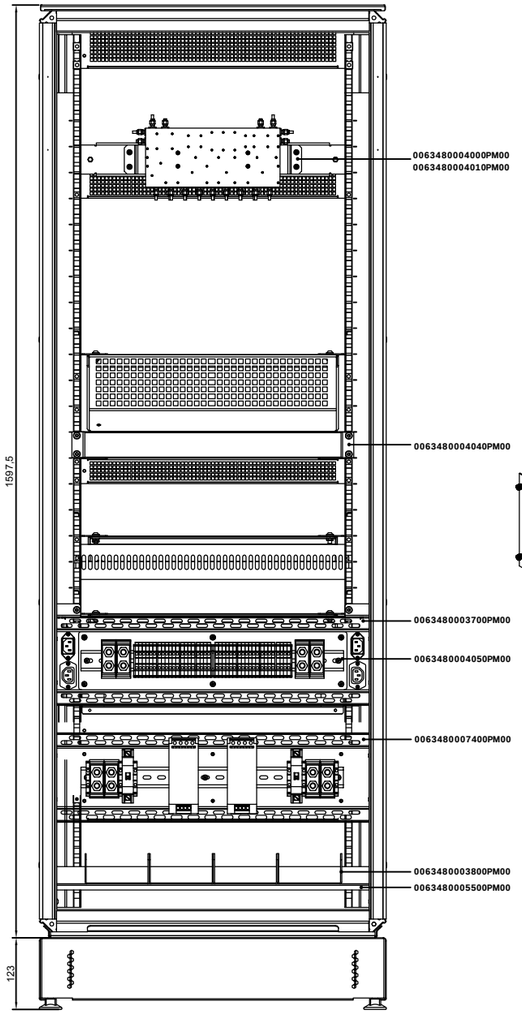
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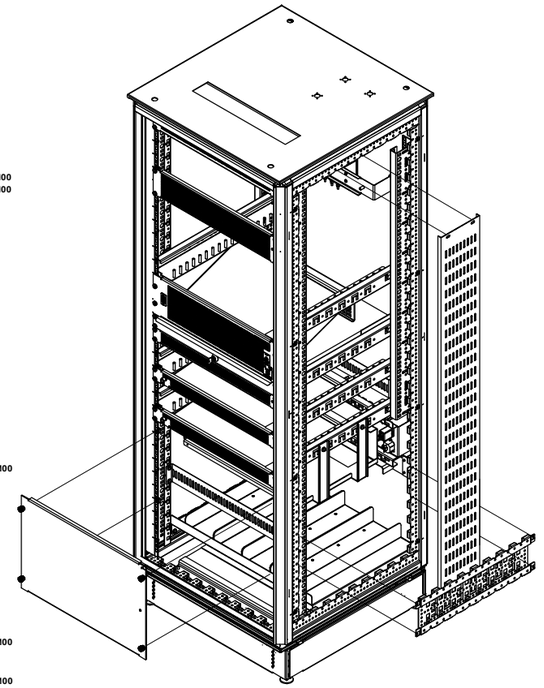
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INDRA SISTEMAS S.A.					
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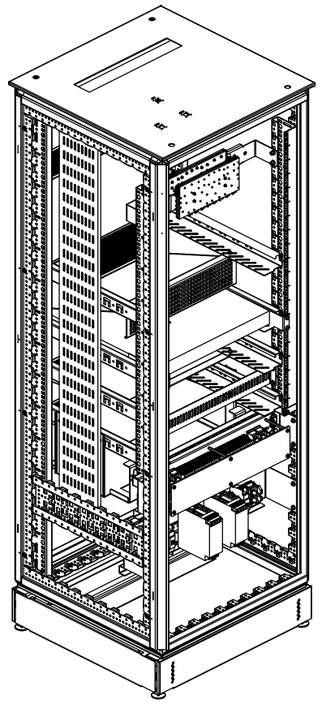
FRM-A1-H1-INDRA
09-06-08







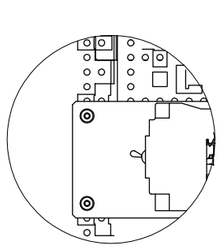


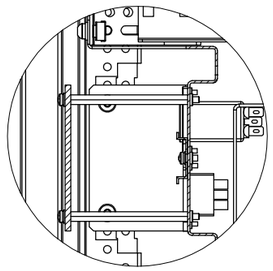


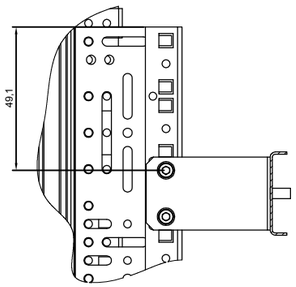
NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

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2	M0114000BLPA0	Screw M4*8 DIN 7985	6
3	M0115001 2LPA0	Screw M5*12 DIN 7985	4
4	M0116001 6LPA0	Screw M6*16 DIN 7985	16
5	M151300125LA0	Washer M3 DIN 125	2
6	M151300127EA6	Washer M3 DIN 127	2
7	M151400125ARS	Washer M4 DIN 125	30
8	M151500125AA0	Washer M5 DIN 125	13
9	M151500127EA0	Washer M5 DIN 127	13
10	M151600127EA6	Washer M6 DIN 127	112
11	M151400127EA6	Washer M4 DIN 127	30
12	M101400934EA0	Nut M4 DIN 934	24
13	M101500934EA0	Nut M5 DIN 934	9
14	1502516016001	Screw Allen M6x16 ISO7380	100
15	M151600125AA0	Washer M6 DIN 125	68
16	1883000260000	GND Point	1
17	1237714523000	Faston terminal M6.3 45°	14
18	1235026153000	PANEL PASACAB PERF 27U	1
19	0063420006400	Conj. Rack Metalworks	1
20	M151300125AA0	Washer M3 DIN 125	26
21	M151300127EA0	Washer M3 DIN 127	26
22	M151400125AA6	Washer M4 DIN 125	7
23	M151400127EA6	Washer M4 DIN 127	7
24	M0113001 8LPA0	Screw M3*18 DIN 7985	8
25	M0114000BLPA0	Screw M4*8 DIN 7985	7
26	1701501980000	Rack Varistar 1600x600	1
27	M151506798JA0	Washer M5 DIN 6798	28
28	M0112500BLPA0	Screw M2.5*8 DIN 7985	16
29	1709981061000	Clip ESD PIN	30
30	1229990750000	GND Lead P/19"	2
31	M0112000BLPA0	Screw M2*8 DIN 7985	12
32	M151250125AA0	Washer M2.5 DIN 125	16
33	M151250127EA0	Washer M2.5 DIN 127	16
34	M151200125AA0	Washer M2 DIN 125	12
35	M151200127EA0	Washer M2 DIN 127	12
36	1589909012021	Screw M2.5*12.3 RAN	8
37	1589990340000	Sleeve 5.9 mm - L=3.3 mm	8
38	1701501980000	Coding PIN. Ref. H10	8
39	M0113001 2LPA0	Screw M3*12 DIN 7985	10
40	M0113000 6LPA0	Screw M3*6 DIN 7985	8







DETALLE / DETAIL:
0063420006400
CONJ. RACK METALWORK PARTS

indra	N° DE PLANO / DRAWING N°	TIPO / TYPE	ORD.	ED RV
	00634 2 00010 10	DE	00	A2
	CLASIFICACIÓN / CLASSIFICATION	Nº CONTRATO / CONTR. NUM		
INDRA SISTEMAS S.A.				
CAGE CODE 0177B / 0178B	ESCALA / SCALE N/S	FORMATO / SIZE A1	HOJA / SHEET 3 / 19	

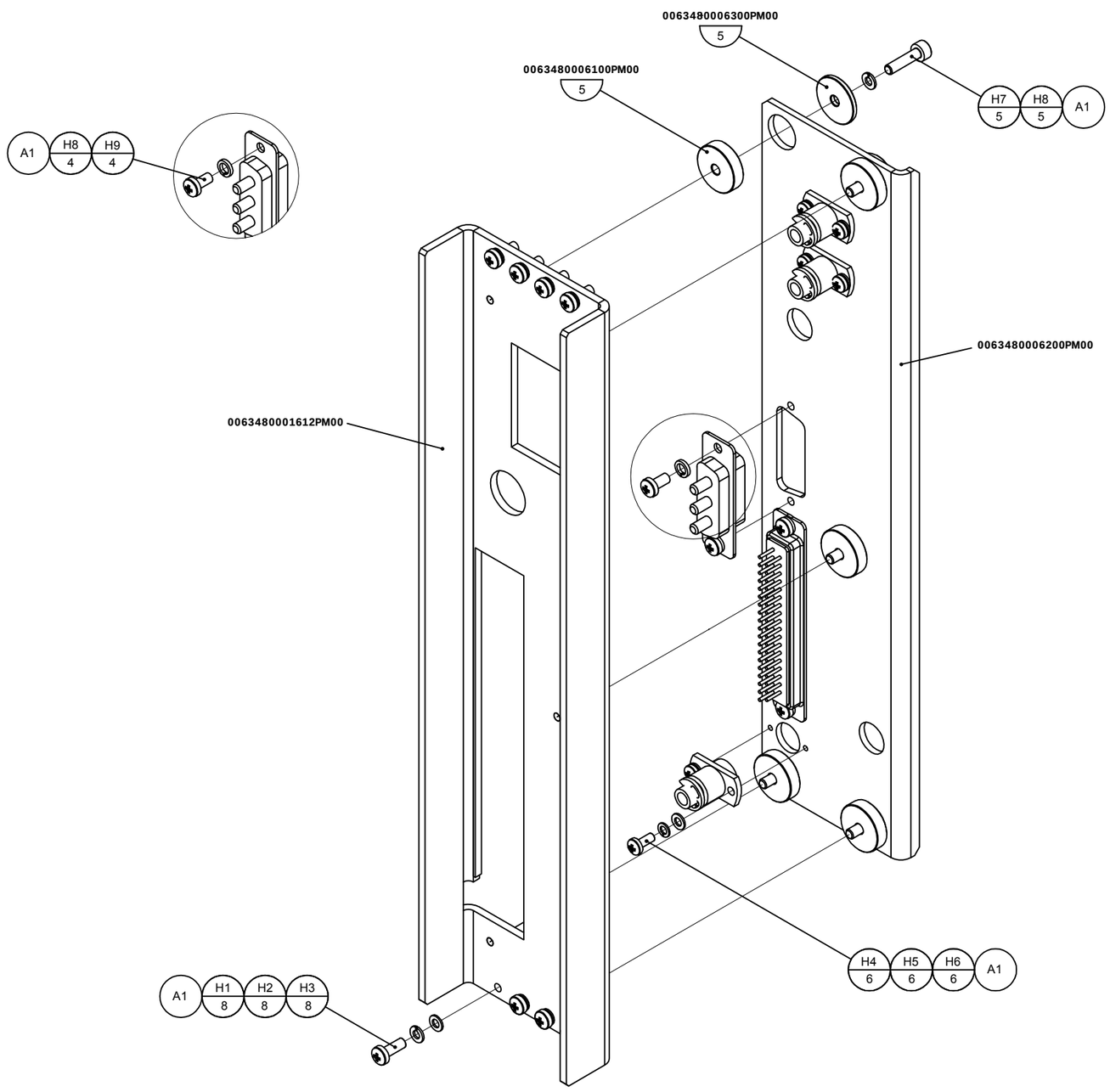
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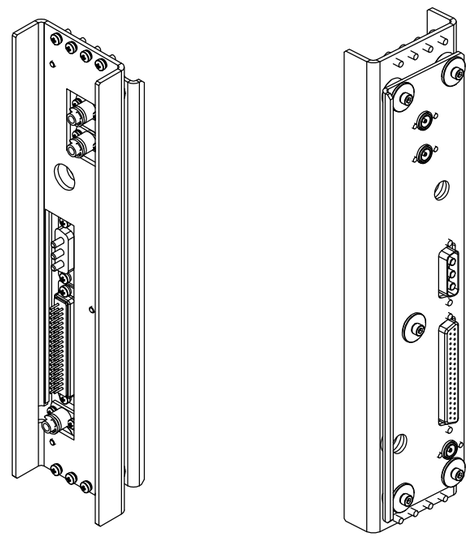
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CONNECTOR PLATE FLOATING



NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE LAS DOS PIEZAS CONNECTOR PLATE FLOATING :
x10 M3X12mm DIN 7985 + DIN 127 + DIN 125 - HPA FLOATING CAPS
x8 M3X6 DIN 7985 + DIN 127 + DIN 125 - CONECTORES SUB-D
x16 M2.5X8mm DIN 7985 + DIN 127 + DIN 125 - HPA CONNECTOR SUPPORT
x12 M2X6mm DIN 7985 + DIN 127 + DIN 125 - CONECTORES SMB CUANDO 0063420001009 [HP]

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

CONNECTOR PLATE FLOATING PARTS, LHS AND RHS, ASSEMBLY:
x10 M3X12mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - HPA FLOATING CAPS
x8 M3X6mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - SUB-D CONNECTORS
x16 M2.5X8mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - HPA CONNECTOR SUPPORT
x12 M2X6mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - SMB CONNECTORS WHEN 0063420001009 [HP]

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 10		TIPO *TYPE* DE	ORD. 00	ED RV A2
INDRA SISTEMAS S.A.	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 4 / 19		

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PARA TERMINALES / FOR TERMINALS

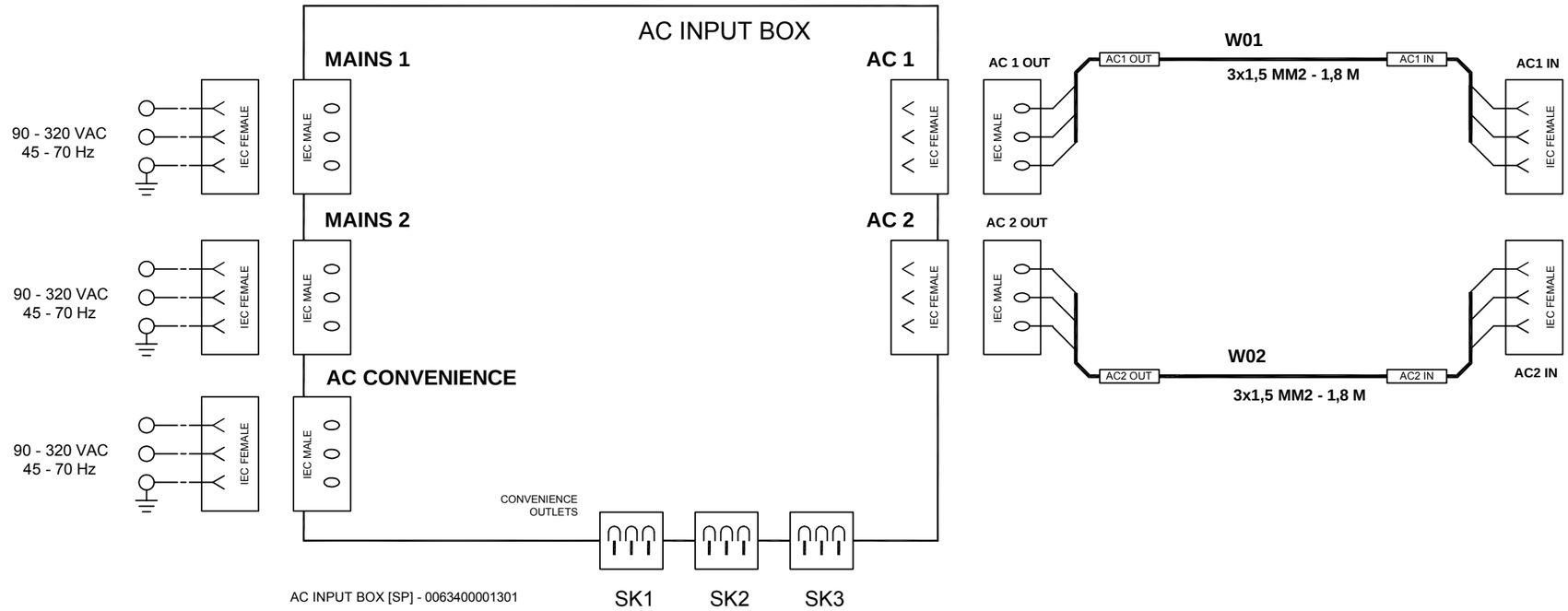
H6	H7	H8	H9	H10	H11	H12	H13	H14	H15	H22	H23
1	12	8	14	22	8	10	10			3	12

PARA CABLES / FOR WIRES

H25	H26	H27
16	16	16

0063420001201	MISCELLANEOUS [HP][2 MTU]	WIRING
0063440001110 to 1160	Cable Assembly W01 to W06	
0063440001160 to 1210	Cable Assembly W08 to W11	
0063440001230 to 1460	Cable Assembly W13 to W36	
0063440001480 to 1550	Cable Assembly W38 to W45	
0063440001570 to 1580	Cable Assembly W47 to W48	
0063440001600 to 1680	Cable Assembly W50 to W58	
0063440001700 to 1710	Cable Assembly W60 to W61	
0063440001730 to 1860	Cable Assembly W63 to W76	

006342000130X



AC INPUT BOX [SP] - 0063400001301

AC INPUT BOX [AU/NZ] - 0063400001302

AC INPUT BOX [USA] - 0063400001303

AC INPUT BOX [UK] - 0063400001304

NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

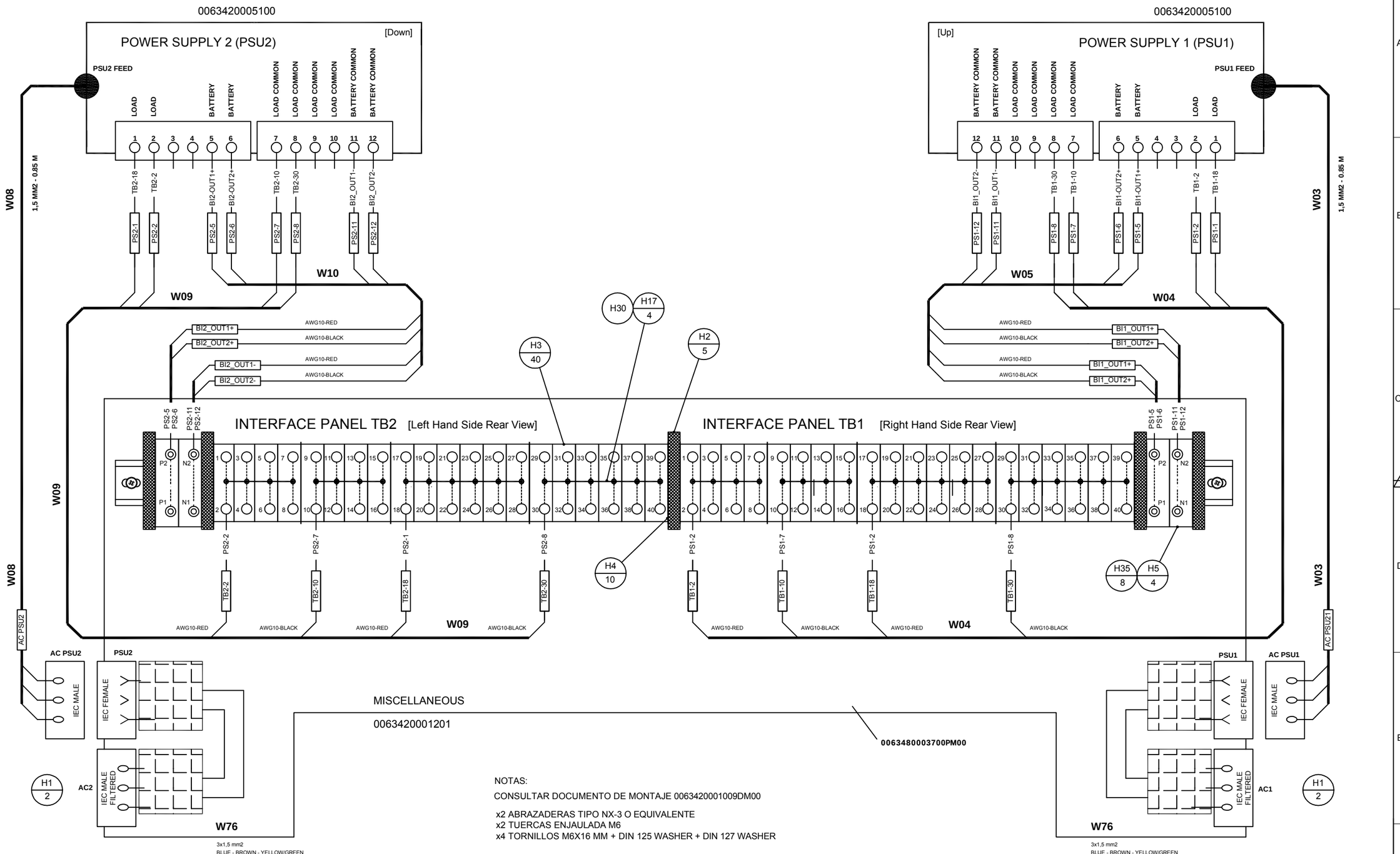
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indra	N° DE PLANO *DRAWING N°* 00634 2 00010 10		TIPO *TYPE* DE	ORD. 00	ED RV A2
	CLASIFICACIÓN	*CLASSIFICATION*	Nº CONTRATO	*CONTR. NUM*	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 5 / 19		

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09-06-08

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NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

x2 ABRAZADERAS TIPO NX-3 O EQUIVALENTE
x2 TUERCAS ENJAULADA M6
x4 TORNILLOS M6X16 MM + DIN 125 WASHER + DIN 127 WASHER

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

x2 NX-3 PLASTIC CLIPS TYPE OR EQUIVALENT
x2 CAGE NUTS M6
x4 SCREWS M6X16 MM + DIN 125 WASHER + DIN 127 WASHER

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 10		TIPO *TYPE* DE	ORD. 00	ED RV A2
	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 6 / 19		

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0063420005100

POWER SUPPLY 2 (PSU2) [Down]

PSU2 FEED

LOAD | LOAD | BATTERY | BATTERY | LOAD COMMON | LOAD COMMON | LOAD COMMON | LOAD COMMON | BATTERY COMMON | BATTERY COMMON

1 2 3 4 5 6 7 8 9 10 11 12

BI2-OUT1+ BI2-OUT2+ BI2_OUT1- BI2_OUT2-

PS2-5 PS2-6 PS2-11 PS2-12

W08 — 1,5 MM2 - 0.85 M

W10

BI2_OUT1+ AWG10-RED
BI2_OUT2+ AWG10-BLACK
BI2_OUT1- AWG10-RED
BI2_OUT2- AWG10-BLACK

0063420005100

[Up] POWER SUPPLY 1 (PSU1)

PSU1 FEED

BATTERY COMMON | BATTERY COMMON | LOAD COMMON | LOAD COMMON | LOAD COMMON | LOAD COMMON | BATTERY | BATTERY | LOAD | LOAD

12 11 10 9 8 7 6 5 4 3 2 1

BI1_OUT2- BI1_OUT1- BI1-OUT2+ BI1-OUT1+

PS1-12 PS1-11 PS1-6 PS1-5

W05

AWG10-RED BI1_OUT1-
AWG10-BLACK BI1_OUT2-
AWG10-RED BI1_OUT1+
AWG10-BLACK BI1_OUT2+

W03 — 1.5 MM2 - 0.85 M

0063480003700PM00

H30 H17 4

INTERFACE PANEL TB2 [Left Hand Side Rear View]

INTERFACE PANEL TB1 [Right Hand Side Rear View]

PS2-5 PS2-6 PS2-11 PS2-12 — P2 N2 P1 N1 — 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 / 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40

PS1-5 PS1-6 PS1-11 PS1-12 — P2 N2 P1 N1 — 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 / 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40

BTT2+ BTT2- — BI2_IN1+ BI2_IN1-

BTT1+ BTT1- — BI1_IN1+ BI1_IN2-

W08 — AC PSU2

W11 AWG10-RED AWG10-BLACK

W06 AWG10-RED AWG10-BLACK

W03 — AC PSU1

AC PSU2 — IEC MALE

PSU2 — IEC FEMALE

AC2 — IEC MALE FILTERED

W76 — 3x1,5 mm2 BLUE - BROWN - YELLOW/GREEN

BI2_IN1- BI2_IN1+ — BTT2- BTT2+

MI2V90FT - MI2V90FT +

BI1_IN1- BI1_IN1+ — BTT1- BTT1+

MI2V90FT - MI2V90FT +

MISCELLANEOUS

0063420001201

PSU1 — IEC FEMALE

AC PSU1 — IEC MALE

AC1 — IEC MALE FILTERED

W76 — 3x1,5 mm2 BLUE - BROWN - YELLOW/GREEN

1

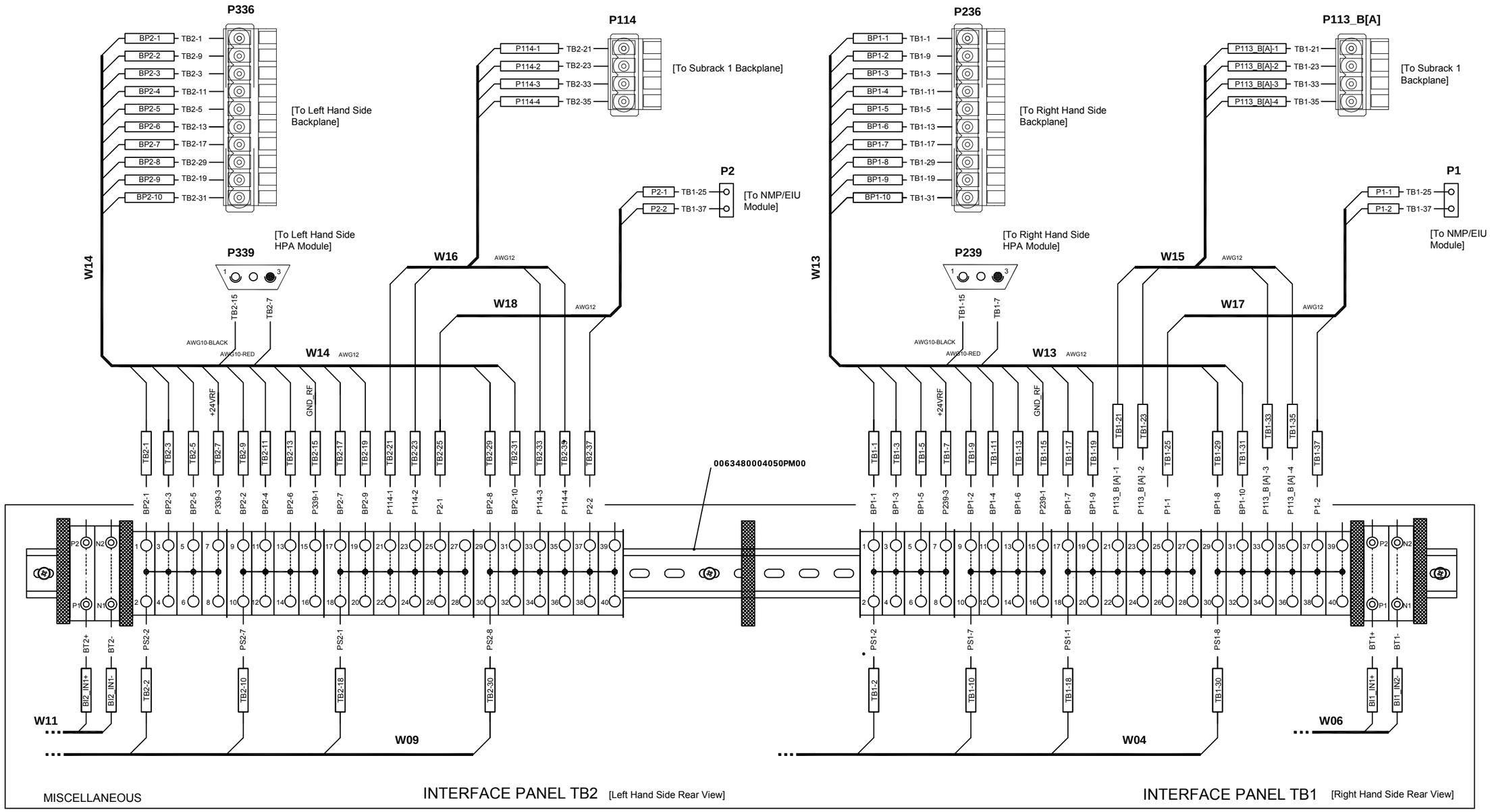
1 x4 BATTERIES 86AH P/N: NAMF120090HM0FA - Indra 1260116000700

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 10		TIPO *TYPE* DE	ORD. 00	ED RV A2
	CLASIFICACIÓN	*CLASSIFICATION*	Nº CONTRATO	*CONTR. NUM*	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 7 / 19		

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MONTAJE DE REAR PATCH PANEL COVER

H18	H19	H20	H21
6	6	6	6

REAR PATCH PANEL COVER ASSEMBLY

MONTAJE DE DIN RAIL 7S35x7,5

H19	H20	H21
3	3	3

DIN RAIL TS35x7.5 ASSEMBLY

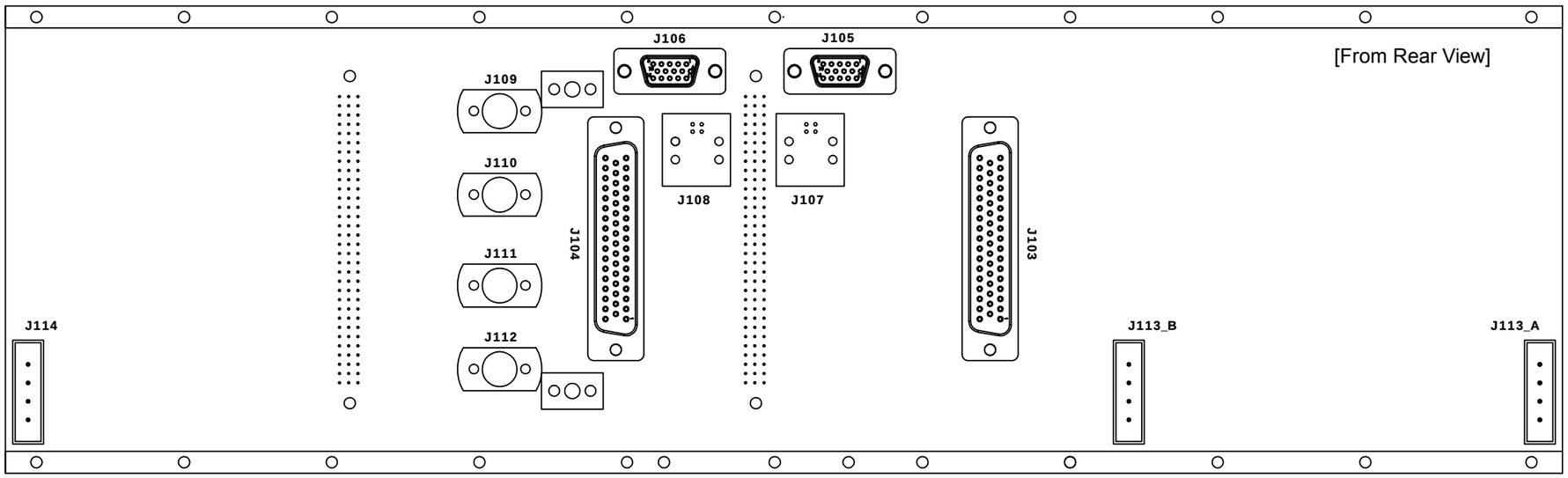
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INDRA SISTEMAS S.A.	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*			
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 8 / 19			

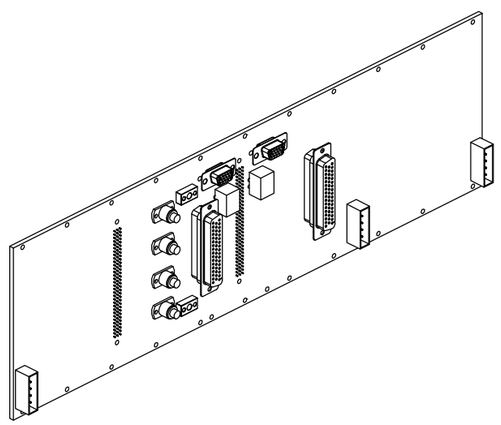
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SUBRACK 1
MOTHER BOARD

0063430003000





METALWORKS		SUBRACK 1	
1	M01125012LPA0	Screw M2.5*12 DIN 7985	24
2	1509009012021	Screw M2.5x12,3 RAN	4
3	1589990340000	Manguito de protección	4
4	1709981061000	ESD pin. Ref. H12	4
5	1229990750000	GND Lead	1

0063430003000LM00		SUBRACK 1 MOTHER BOARD	
1	...	...	
2	M01125012LPA0	Screw M2.5*12 DIN 7985	24
3	M01125010LPA0	Screw M2.5x10 DIN 7985	4
4	M01125008LPA0	Screw M2.5x8 DIN 7985	4
5	M151250125AA0	Washer M2.5 DIN 125	32
6	M151250127EA0	Washer M2.5 DIN 127	32
7	M01120010LPA0	Screw M2*10 DIN 7985	6
8	M151200125AA0	Washer M2 DIN 125	12
9	M151200127EA0	Washer M2 DIN 127	6
10	M101250934EA0	Nut M2.5 DIN 934	4
11	M101200934EA0	Nut M2 DIN 934	6

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE SUBRACK 1 MOTHERBOARD:
x4 M2.5X8mm DIN 7985 + DIN 127 + DIN 125 - LOS CENTRADORES HEMBRA
x4 M2.5X10mm DIN 7985 + DIN 127 + DIN 125 + DIN 934 - J101, J102
x24 M2.5X12mm DIN 7985 + DIN 127 + DIN 125 - FIJACIÓN A SUBRACK 1
x6 M2X10mm DIN 7985 + DIN 127 + 2 DIN 125 + DIN 934 - CONECTORES SMB

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

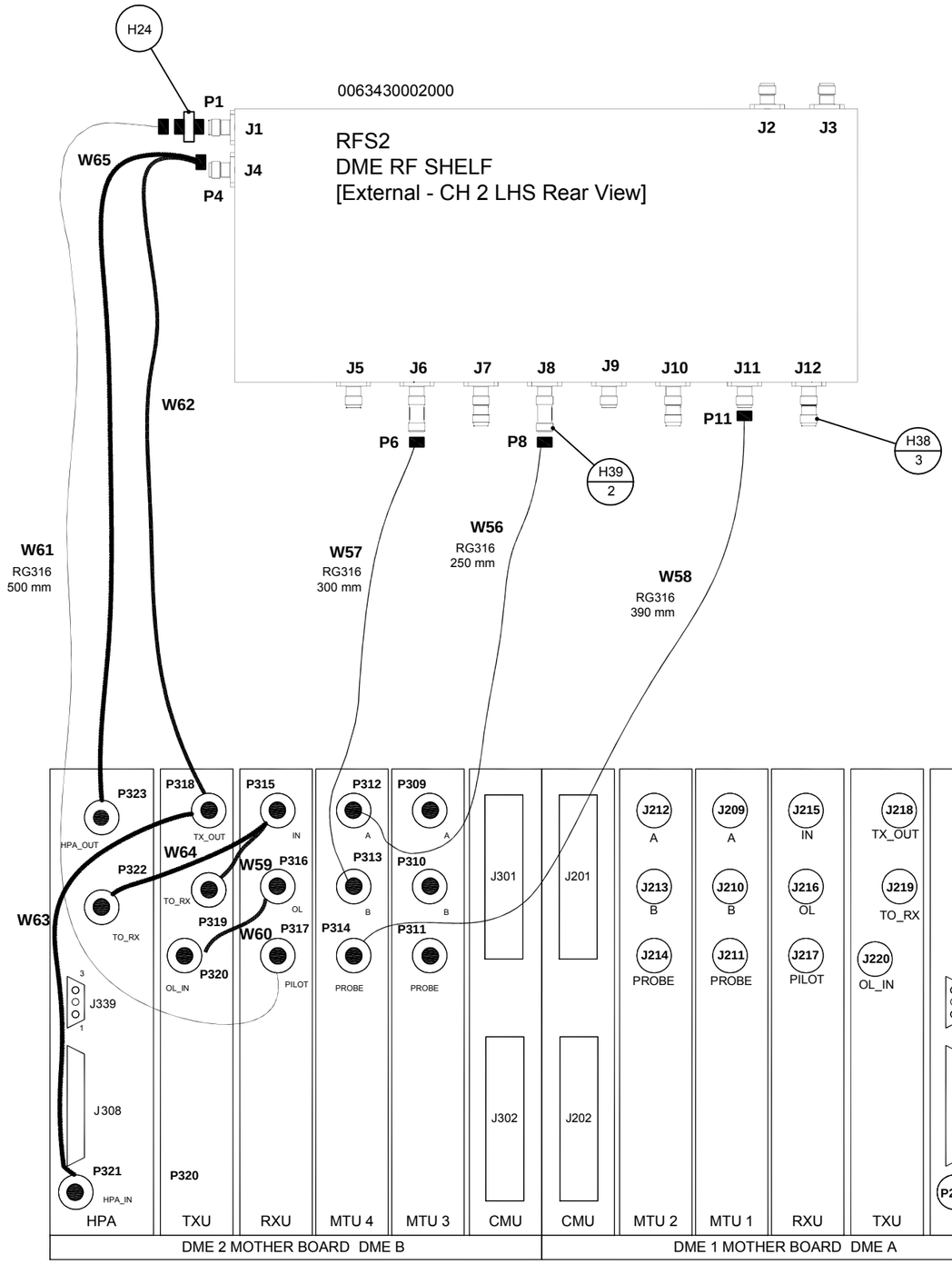
SUBRACK 1 MOTHERBOARD ASSEMBLY:
x4 M2.5X8mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - FEMALE POSITIONERS
x4 M2.5X10mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER + DIN 934 - J101, J102
x24 M2.5X12mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - MOTHER BOARD 1 TO SUBRACK
x6 M2X10mm DIN 7985 + DIN 127 WASHER + 2 DIN 125 WASHER + DIN 934 - SMB CONNECTORS

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indra	N° DE PLANO *DRAWING N°* 00634 2 00010 10		TIPO *TYPE* DE	ORD. 00	ED RV A2
	CLASIFICACIÓN	*CLASSIFICATION*	Nº CONTRATO	*CONTR. NUM*	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 9 / 19		

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REAR VIEW VISTA DESDE ATRAS

MISCELLANEOUS - 0063420001202

ASSEMBLY WIRES/CAB LES - LOW POWER VERSION

W53 - RG316 275 MM - NU IN 2 MTU CONFIGURATIONS
W54 - RG316 355 MM - NU IN 2 MTU CONFIGURATIONS
W55 - RG316 420 MM - NU IN 2 MTU CONFIGURATIONS
W56 - RG316 250 MM
W57 - RG316 300 MM
W58 - RG316 390 MM
W59 - RG316 340 MM
W60 - EZ141 130 MM
W61 - RG316 500 MM
W62 - EZ141 340 MM

MISCELLANEOUS - 0063420001201

ASSEMBLY WIRES/CAB LES - HIGH POWER VERSION

W53 - RG316 275 MM - NU IN 2 MTU CONFIGURATIONS
W54 - RG316 355 MM - NU IN 2 MTU CONFIGURATIONS
W55 - RG316 420 MM - NU IN 2 MTU CONFIGURATIONS
W56 - RG316 250 MM
W57 - RG316 300 MM
W58 - RG316 390 MM

W61 - RG316 500 MM
W63 - EZ141 430 MM
W64 - EZ141 270 MM
W65 - EZ141 230 MM

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE LOS M DULOS RF SHELF:
x8 M3X18mm DIN 7985 + PLANA + GROWER
x4 M4X8mm DIN 7985 + PLANA + GROWER

NOTES:

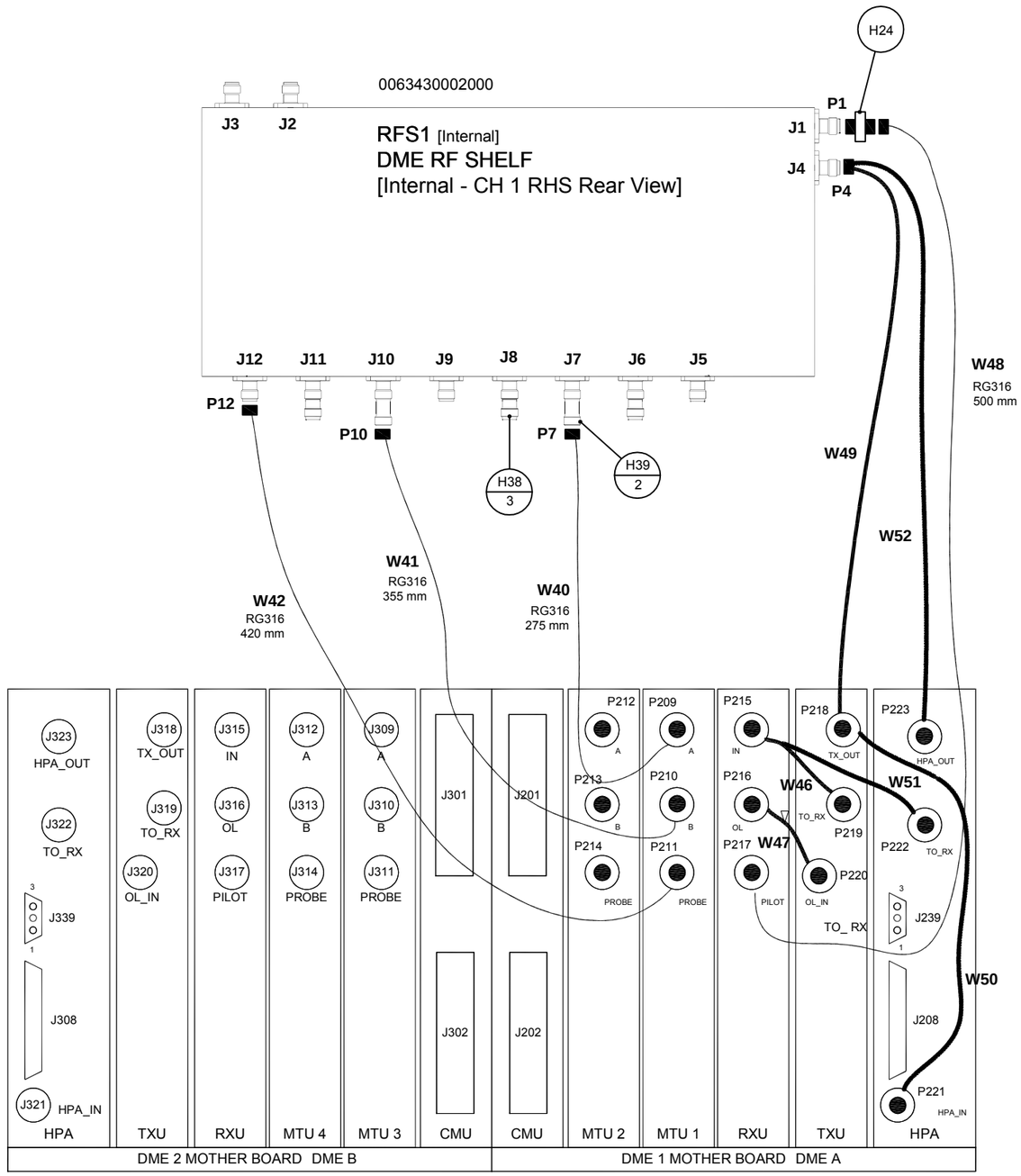
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

RF SHELF MODULES ASSEMBLY:
x8 M3X18mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER
x4 M4X8mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER

indra	N DE PLANO *DRAWING N°* 00634 2 00010 10		TIPO *TYPE* DE	ORD. 00	ED RV A2
	CLASIFICACI N	*CLASSIFICATION*	N CONTRATO		*CONTR. NUM*
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 10 / 19		

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REAR VIEW VISTA DESDE ATRAS

MISCELLANEOUS - 0063420001202

ASSEMBLY WIRES/CAB LES - LOW POWER VERSION

W40 - RG316 275 MM
W41 - RG316 355 MM
W42 - RG316 420 MM
W43 - RG316 250 MM - NU IN 2 MTU CONFIGURATIONS
W44 - RG316 300 MM - NU IN 2 MTU CONFIGURATIONS
W45 - RG316 390 MM - NU IN 2 MTU CONFIGURATIONS
W46 - EZ141 130 MM
W47 - EZ141 130 MM
W48 - RG316 500 MM
W49 - EZ141 375 MM

MISCELLANEOUS - 0063420001201

ASSEMBLY WIRES/CAB LES - HIGH POWER VERSION

W40 - RG316 275 MM
W41 - RG316 355 MM
W42 - RG316 420 MM
W43 - RG316 250 MM - NU IN 2 MTU CONFIGURATIONS
W44 - RG316 300 MM - NU IN 2 MTU CONFIGURATIONS
W45 - RG316 390 MM - NU IN 2 MTU CONFIGURATIONS
W47 - EZ141 130 MM
W48 - RG316 500 MM
W50 - EZ141 410 MM
W51 - EZ141 270 MM
W52 - EZ141 255 MM

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE LOS M DULOS RF SHELF:
x8 M3X18mm DIN 7985 + PLANA + GROWER
x4 M4X8mm DIN 7985 + PLANA + GROWER

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

RF SHELF MODULES ASSEMBLY:
x8 M3X18mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER
x4 M4X8mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER

indra	N DE PLANO *DRAWING N°* 00634 2 00010 10		TIPO *TYPE* DE	ORD. 00	ED RV A2
	CLASIFICACI N *CLASSIFICATION*		N CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 11 / 19		

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0063420003200

RCU
(RELAY CONTROL UNIT)

Top

P109

P110

P111

[RCU Back Connectors]

Bottom

[Rack Ceiling]

J401 / RF_OUT

W34

J402
ANT. PROBE 1

J403
ANT. PROBE 2

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

x1 ABRAZADERA TIPO NX-1 O EQUIVALENTE:
x3 ABRAZADERAS TIPO NX-0 O EQUIVALENTE
x3 TORNILLOS M3X8 MM + DIN 125 WASHER + DIN 127 WASHER
x1 M6X12 MM AUTORROSCABLE

(CONECTORES J401, J402 Y J403)
x12 TORNILLOS M3X10mm DIN 7985
x24 ARANDELAS DIN 125
x12 ARANDELAS DIN 127
x12 TUERCAS DIN 934

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

x2 NX-3 PLASTIC CLIPS TYPE OR EQUIVALENT
x3 NX-0 PLASTIC CLIPS TYPE OR EQUIVALENT
x3 SCREWS M3X8 MM DIN 7985 + DIN 125 WASHER + DIN 127 WASHER
x1 SCREW M6X16 MM AUTO

(J401, J402 AND J403 CONNECTORS)
x12 SCREWS M3X10mm DIN 7985
x24 DIN 125 WASHER
x12 DIN 127 WASHER
x12 DIN 934 HEX NUTS

W39
RG316
1050 mm

W36
RG316
330 mm

W38
RG316
880 mm

W35
RG316
165 mm

P3 P2

0063430002000

RFS1 [Internal]
DME RF SHELF

J3 J2 J1 J4

J12 J11 J10 J9 J8 J7 J6 J5

P9 P5

P2 P3

0063430002000

RFS2 [External]
DME RF SHELF

J2 J3 J1 J4

J5 J6 J7 J8 J9 J10 J11 J12

P5 P9

W67

W66

ASSEMBLY WIRES/CAB LES

W34 - EZ141
W35 - EZ141
W36 - EZ141
W38 - RG316 880 MM
W39 - RG316 1050 MM
W66 - RG316
W67 - RG316

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 10		TIPO *TYPE* DE	ORD. 00	ED RV A2
	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 12 / 19		

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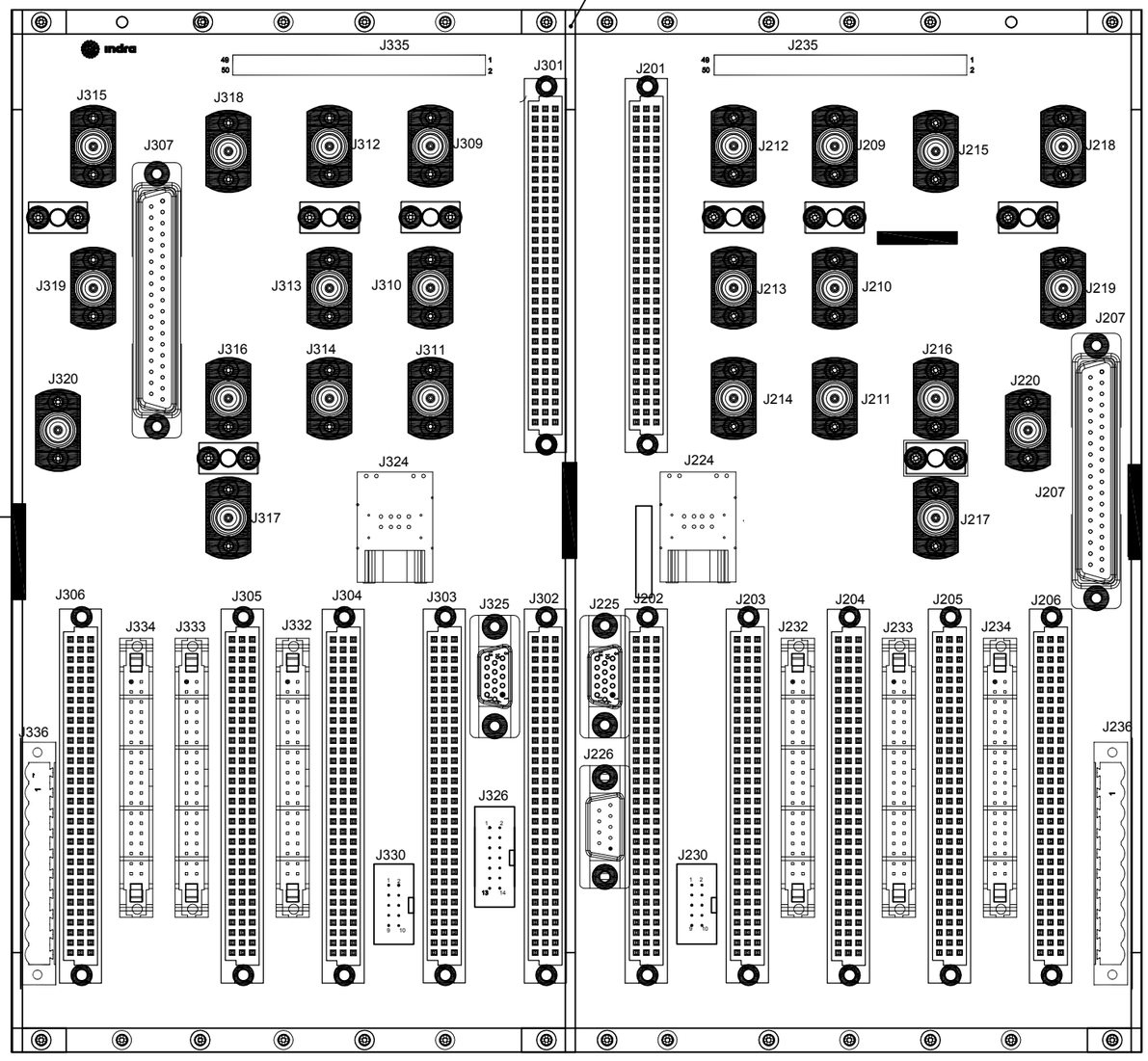
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0024780004070PM00

3

SUBRACK 2
MOTHER BOARD

0063430005700



METALWORKS		SUBRACK 2	
1	1709981061000	ESD pin Ref. H12	26
2	1229990750000	GND Lead	1

0063430005700LM00		SUBRACK 2 MOTHER BOARD	
1	...	...	
2	M01125016LPA0	Screw M2.5*16 DIN 7985	6
3	M01125012LPA0	Screw M2.5x12 DIN 7985	22
4	M01125008LPA0	Screw M2.5x8 DIN 7985	16
5	M151250125AA0	Washer M2.5 DIN 125	44
6	M151250127EA0	Washer M2.5 DIN 127	44
7	1540109000050	Washer M2.5 NYLON	16
8	M01120010LPA0	Screw M2*10 DIN 7985	44
9	M151200125AA0	Washer M2 DIN 125	88
10	M151200127EA0	Washer M2 DIN 127	44
11	M101200934EA0	Nut M2 DIN 934	44
12	M01130006LPA0	Screw M3*6 DIN 7985	10
13	M151300125AA0	Washer M3 DIN 125	10
14	M151300127EA0	Washer M3 DIN 127	10
15	G251511502010	Foam Acrylic TAPE 15 mm	-

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE SUBRACK 2 MOTHERBOARD:
x16 M2.5X8mm DIN 7985 + DIN 127 + DIN 125 + NYLON - CENTRADORES HEMBRA
x22 M2.5X12mm DIN 7985 + DIN 127 + DIN 125 - FIJACIÓN A SUBRACK 2
x6 M2.5X16mm DIN 7985 + DIN 127 + DIN 125 - RIGIZADORES
x44 M2X10mm DIN 7085 + DIN 127 + 2 DIN 125 + DIN 934 - CONECTORES SMB
x10 M3X6mm DIN 7985 + DIN 127 + DIN 125 - CONECTORES SUB-D

COMPROBAR QUE LA PCB SUBRACK 2 MOTHER BOARD TIENE MONTADAS LAS TRES TIRAS DE ESPUMA ADHESIVA PARA EVITAR CORTOCIRCUITOS CON LOS RIGIZADORES.

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

SUBRACK 2 MOTHERBOARD ASSEMBLY:
x16 M2.5X8mm DIN 7985 + DIN 127 WASHER+ DIN 125 WASHER + NYLON - FEMALE POSITIONERS
x22 M2.5X12mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - MB TO SUBRACK 2
x6 M2.5X16mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - STIFFENERS 6U
x44 M2X10mm DIN 7085 + DIN 127 WASHER + 2 DIN 125 WASHER + DIN 934 NUT - SMB CONECTORS
x10 M3X6mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - SUB-D CONECTORS

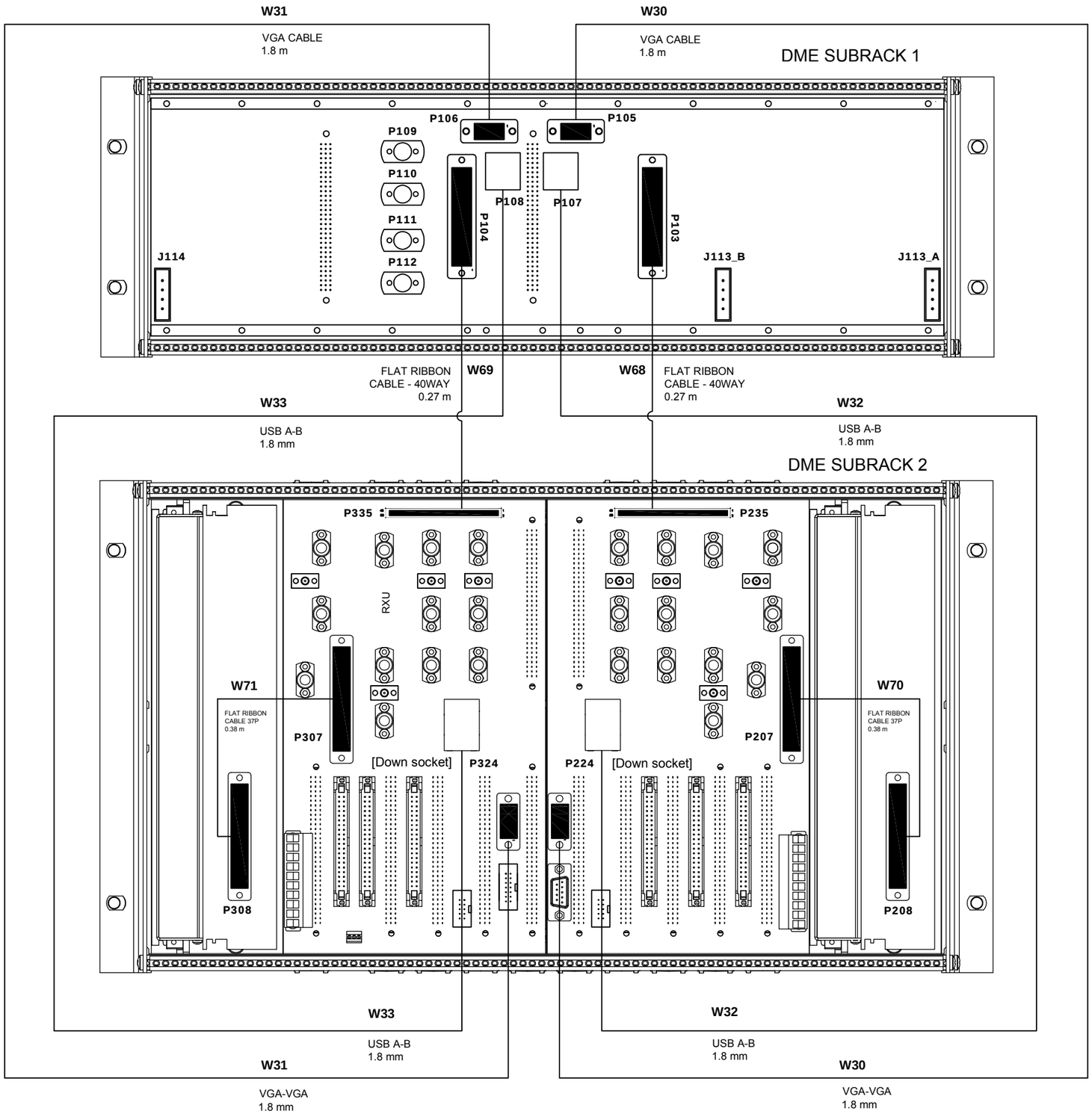
CHECK THE THREE PROTECTIVE FOAM TAPES ARE FITTED ON SUBRACK 2 MOTHER BOARD PBA TO AVOID SHORT CIRCUITS AFTER MOUNTING MOTHER BOARD STIFFENERS

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 10		TIPO *TYPE* DE	ORD. 00	ED RV A2
	CLASIFICACIÓN	*CLASSIFICATION*	Nº CONTRATO	*CONTR. NUM*	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 13 / 19		

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NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE CABLES ETH, VGA, USB:
x7 TORNILLOS M6X12 MM AUTOROSCABLES
x2 ABRAZADERAS TIPO NX-3 O EQUIVALENTE
x2 ABRAZADERAS TIPO NX-5 O EQUIVALENTE
x1 ABRAZADERA TIPO NX-6 O EQUIVALENTE
x2 ABRAZADERA TIPO NX-8 O EQUIVALENTE
x2 BASES DE BRIDA TORNILLO BLANCAS
x2 TORNILLOS M4X6 MM DIN 7985

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

ETH, VGA, USB WIRING ASSEMBLY:
x7 SCREWS M6X12 MM AUTO
x2 NX-3 PLASTIC CLIPS TYPE OR EQUIVALENT
x2 NX-5 PLASTIC CLIPS TYPE OR EQUIVALENT
x1 NX-6 PLASTIC CLIPS TYPE OR EQUIVALENT
x2 NX-8 PLASTIC CLIPS TYPE OR EQUIVALENT
x2 WHITE BASE-SCREW PLASTIC CLIP
x2 SCREWS M4X6 MM DIN 7985

INDRA SISTEMAS S.A.	N° DE PLANO *DRAWING N°* 00634 2 00010 10		TIPO *TYPE* DE	ORD. 00	ED RV A2
CAGE CODE 0177B / 0178B	CLASIFICACIÓN *CLASSIFICATION*		N° CONTRATO *CONTR. NUM*		
	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 14 / 19		

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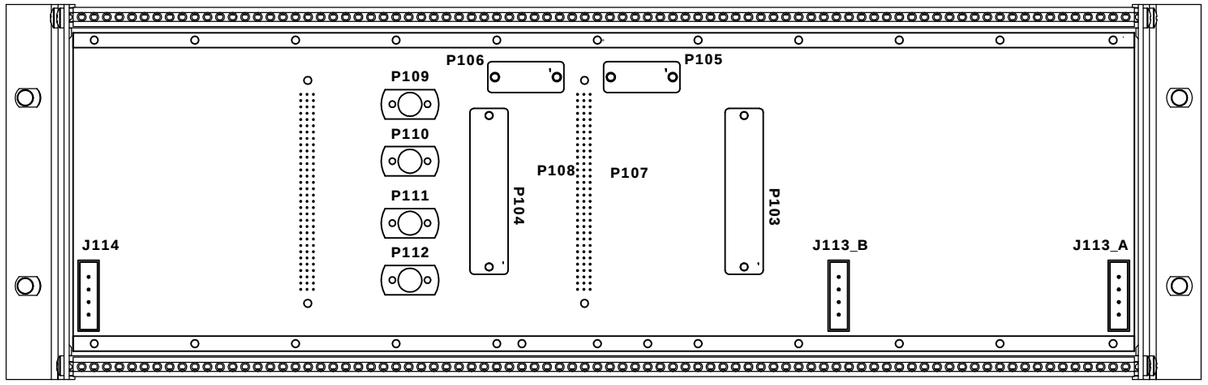
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DME SUBRACK 1

[From Interface Panel TB2
Left Hand Side Rear View]

P114

P114-1	TB2-21
P114-2	TB2-23
P114-3	TB2-33
P114-4	TB2-35



[From Interface Panel TB1
Right Hand Side Rear View]

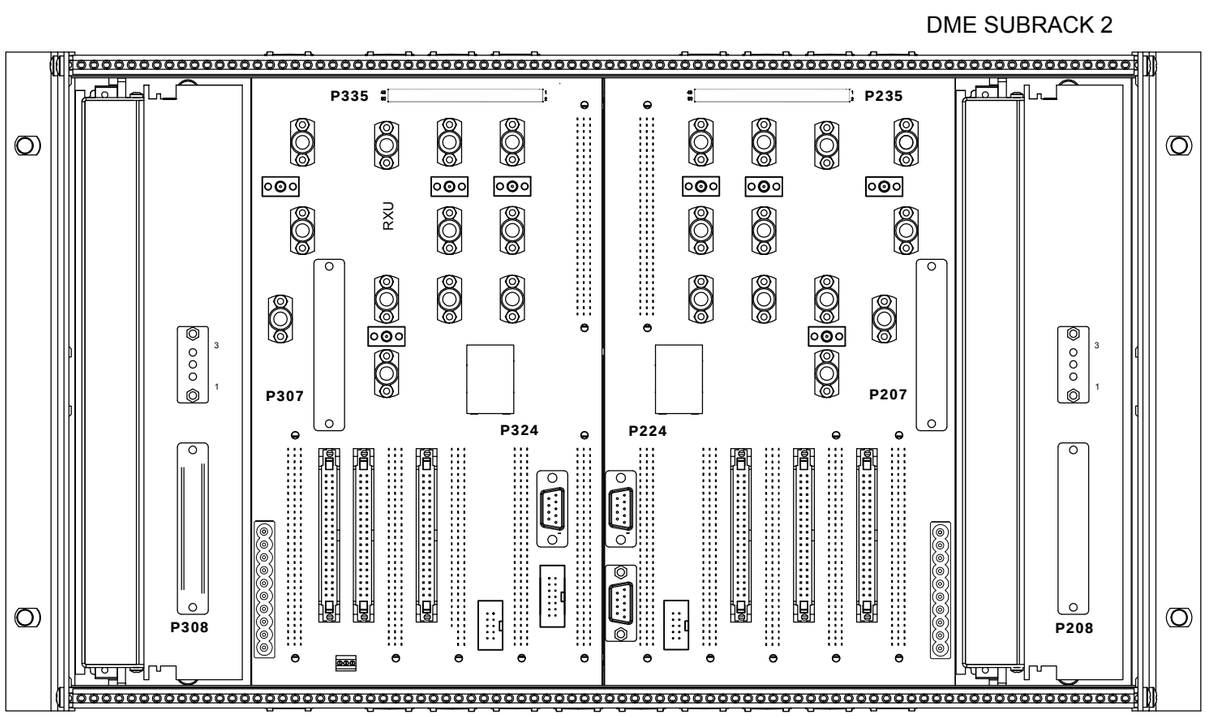
P113_B[A]

TB1-21	P113_B[A]-1
TB1-23	P113_B[A]-2
TB1-33	P113_B[A]-3
TB1-35	P113_B[A]-4

DME SUBRACK 2

P339

P339-1	TB2-15
P339-3	TB2-7



P239

TB1-7	P239-3
TB1-15	P239-1

P336

BP2-1	TB2-1
BP2-2	TB2-9
BP2-3	TB2-3
BP2-4	TB2-11
BP2-5	TB2-5
BP2-6	TB2-13
BP2-7	TB2-17
BP2-8	TB2-29
BP2-9	TB2-19
BP2-10	TB2-31

P236

TB1-1	BP1-1
TB1-9	BP1-2
TB1-3	BP1-3
TB1-11	BP1-4
TB1-5	BP1-5
TB1-13	BP1-6
TB1-17	BP1-7
TB1-29	BP1-8
TB1-19	BP1-9
TB1-31	BP1-10

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NOTES:
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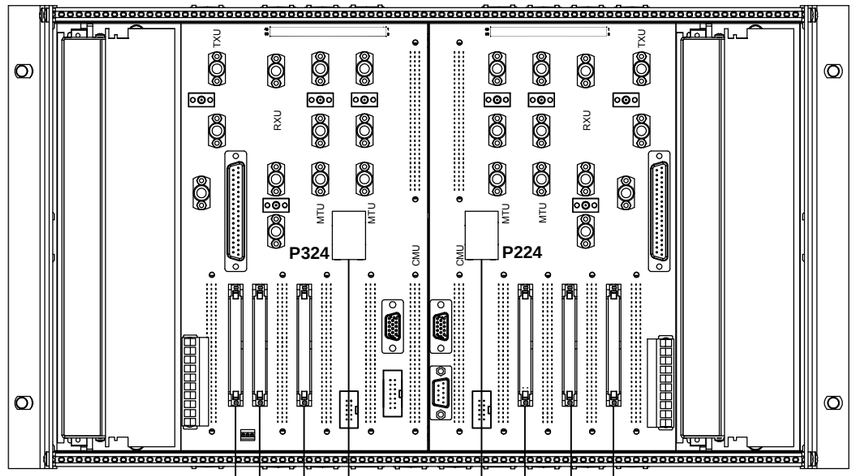
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	CLASIFICACIÓN	*CLASSIFICATION*	Nº CONTRATO		*CONTR. NUM*
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CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 15 / 19		

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DME SUBRACK 2

NOTAS:
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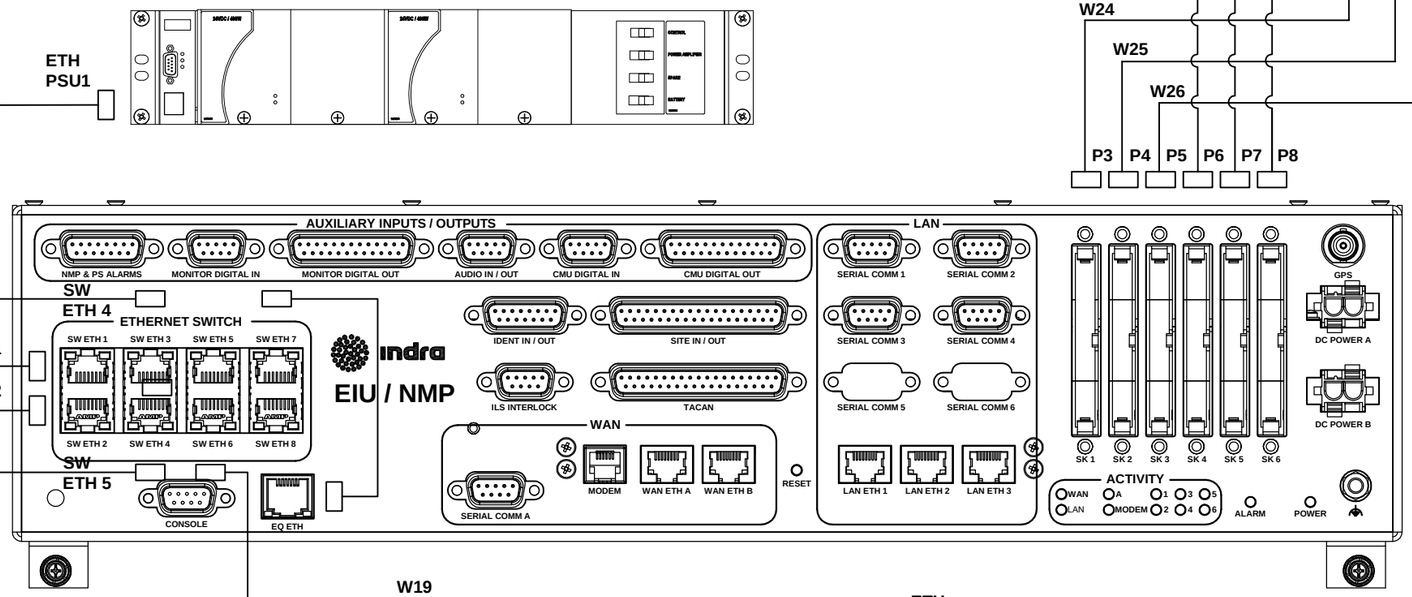


W20
W21
W29
W28
W27
W24
W25
W26
P3 P4 P5 P6 P7 P8

0063420005100
POWER SUPPLY 1 (PSU1)

ETH
PSU1

W22



P1 — W17 — [From Interface Panel TB1]
P2 — W18 — [From Interface Panel TB2]

W23
W19
ETH
LOCAL
H16

ETH
PSU2

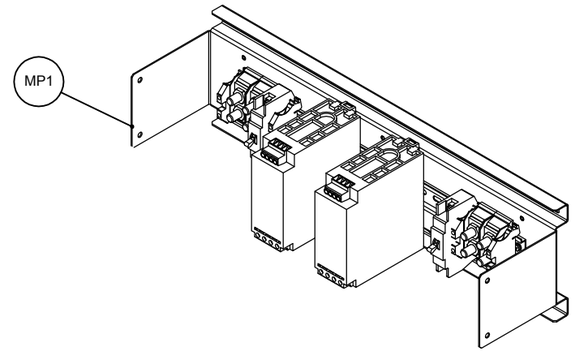
0063420005100
POWER SUPPLY 2 (PSU2)

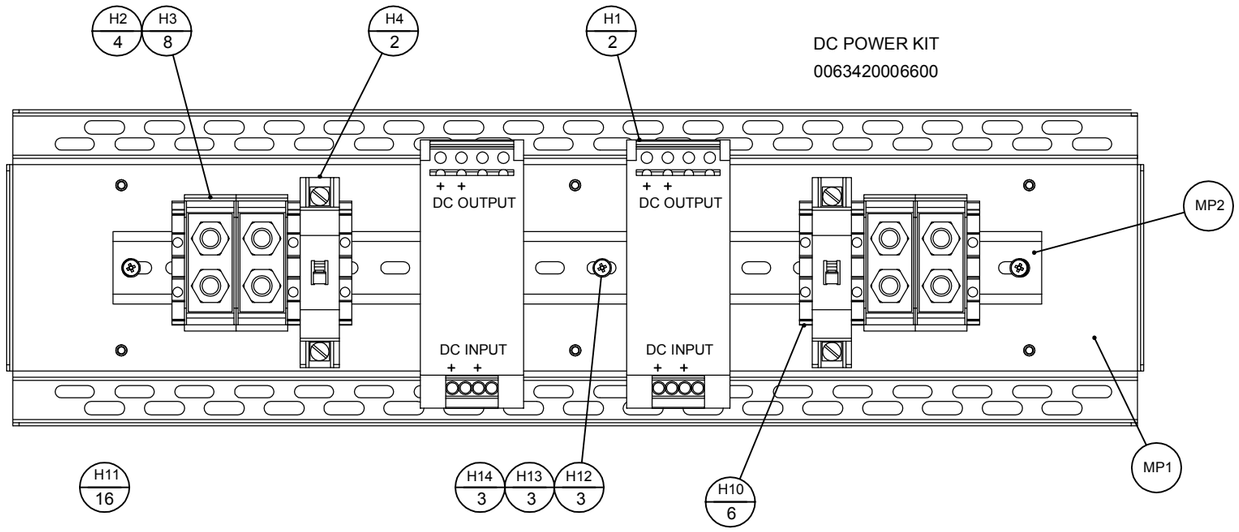
indra	N° DE PLANO *DRAWING N°* 00634 2 00010 10	TIPO *TYPE* DE	ORD. 00	ED RV A2
INDRA SISTEMAS S.A.	CLASIFICACIÓN / *CLASSIFICATION*	Nº CONTRATO / *CONTR. NUM*		
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 16 / 19	

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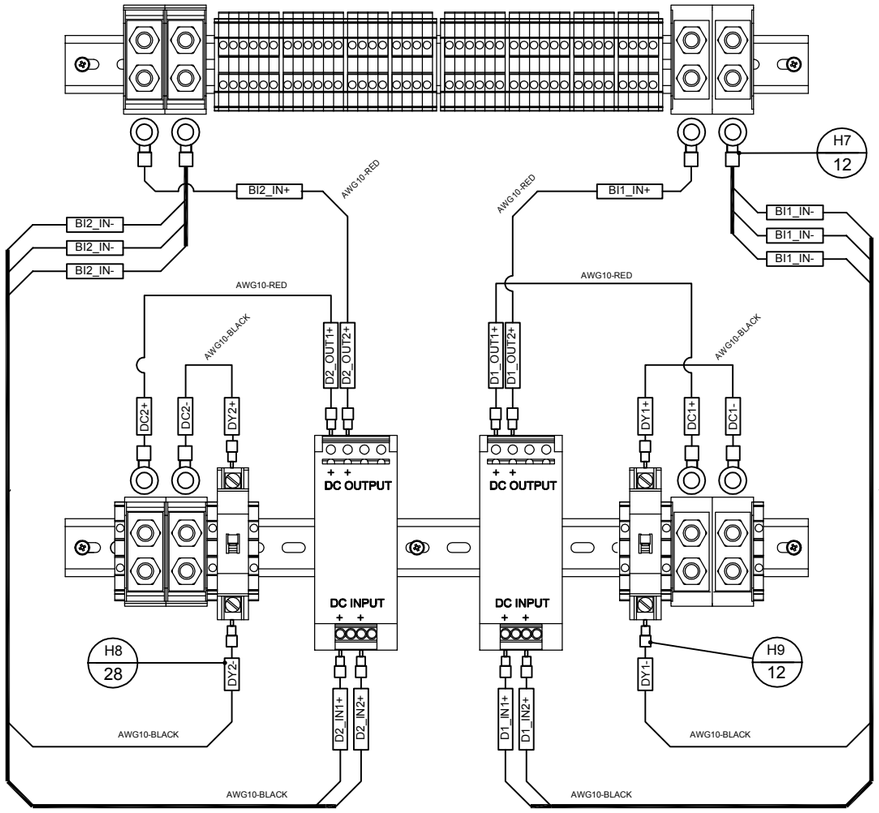
NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420006600DM00

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 10		TIPO *TYPE* DE	ORD. 00	ED RV A2
	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 17 / 19		

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FRM-A2-H1-INDRA
09-06-08

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DC POWER KIT
0063420006600

LEFT SIDE WIRING

TYPE - DESCRIPTION	LENGTH	MARKING	
AWG10 - RED	45 mm	DC1+	D1_OUT1+
AWG10 - BLACK	20 mm	DC1-	DY1+
AWG10 - BLACK	75 mm	D1_IN1+	BI1_IN-
AWG10 - BLACK	75 mm	D1_IN2+	BI1_IN-
AWG10 - RED	30 mm	D1_OUT2+	BI1_IN+
AWG10 - BLACK	65 mm	DY1-	BI1_IN-

RIGHT SIDE WIRING

TYPE - DESCRIPTION	LENGTH	MARKING	
AWG10 - RED	45 mm	DC2+	D2_OUT1+
AWG10 - BLACK	20 mm	DC2-	DY2+
AWG10 - BLACK	75 mm	D2_IN1+	BI2_IN-
AWG10 - BLACK	75 mm	D2_IN2+	BI2_IN-
AWG10 - RED	30 mm	D2_OUT2+	BI2_IN+
AWG10 - BLACK	65 mm	DY2-	BI2_IN-

NOTAS:

1 .- LENGTH INDICATES APPLY TO A TOLERANCE OF 2.5%. THE REFINE YOUR CABLE MEASURES CORRESPONDING TO THE CABLES EXTENDED.

2 .- WELDING COMPONENTS AS IPC / EIA J-STD-001C

3 .- ALL WIRE ARE AWG10 TYPE UNLESS SPECIFIED OTHERWISE

4 .- MARK AS SHOWN CHARACTERS WITH HEIGHT 2.3mm.

NOTAS:

1.- APLICAR A LAS LONGITUDES INDICADAS UNA TOLERANCIA DEL 2.5%. LAS MEDIDAS DE LOS CABLES ACOTADAS CORRESPONDEN A LOS CABLES EXTENDIDOS.

2.- SOLDAR COMPONENTES SEGUN IPC/EIA J-STD-001C

3.- CABLES SON TIPO AWG 10 SALVO QUE SE ESPECIFIQUE LO CONTRARIO

4.- MARCAR SEGUN SE INDICA CON CARACTERES DE 2.3mm DE ALTURA.

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indra	N° DE PLANO *DRAWING N°* 00634 2 00010 10		TIPO *TYPE* DE	ORD. 00	ED RV A2
INDRA SISTEMAS S.A.	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 18 / 19		

FRM-A2-H1-INDRA
09-06-08

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0063420005100
POWER SUPPLY 2 (PSU2)

[Down]

PSU2 FEED

13 14 15 16 17 18 19 20 21 22 23

12 11 10 9 8 7 6 5 4

DB37-13 DB37-31 DB37-12 DB37-10 DB37-28 DB37-9 DB37-11 DB37-29

12 11 10 9 8 7 6 5 4 3 2 1

NC C NO NC C NO NC C NO NC C NO

K4 K3 K2 K1

W08
1,5 MM2 - 0.85 M

PSU - NMP AUXILIARY

AUXILIARY

0063420005100
POWER SUPPLY 1 (PSU1)

[Up]

13 14 15 16 17 18 19 20 21 22 23

PSU1 FEED

12 11 10 9 8 7 5 4

DB37-1 DB37-20 DB37-2 DB37-4 DB37-23 DB37-5 DB37-3 DB37-22

12 11 10 9 8 7 6 5 4 3 2 1

NC C NO NC C NO NC C NO NC C NO

K4 K3 K2 K1

W03
1,5 MM2 - 0.85 M

AUXILIARY INPUTS / OUTPUTS

NMP & PS ALARMS | MONITOR DIGITAL IN | MONITOR DIGITAL OUT | AUDIO IN / OUT | CMU DIGITAL IN | CMU DIGITAL OUT

ETHERNET SWITCH

SW ETH 1 SW ETH 3 SW ETH 5 SW ETH 7

SW ETH 2 SW ETH 4 SW ETH 6 SW ETH 8

CONSOLE | EQ ETH

indra

EIU / NMP

IDENT IN / OUT | SITE IN / OUT

ILS INTERLOCK | AUXILIARY

WAN

SERIAL COMM A | MODEM | WAN ETH A | WAN ETH B

RESET

LAN

SERIAL COMM 1 | SERIAL COMM 2

SERIAL COMM 3 | SERIAL COMM 4

SERIAL COMM 5 | SERIAL COMM 6

LAN ETH 1 | LAN ETH 2 | LAN ETH 3

SK 1 SK 2 SK 3 SK 4 SK 5 SK 6

GPS

DC POWER A

DC POWER B

ACTIVITY

WAN LAN A MODEM 1 2 3 4 5 6

ALARM

POWER

NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

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INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 19 / 19		

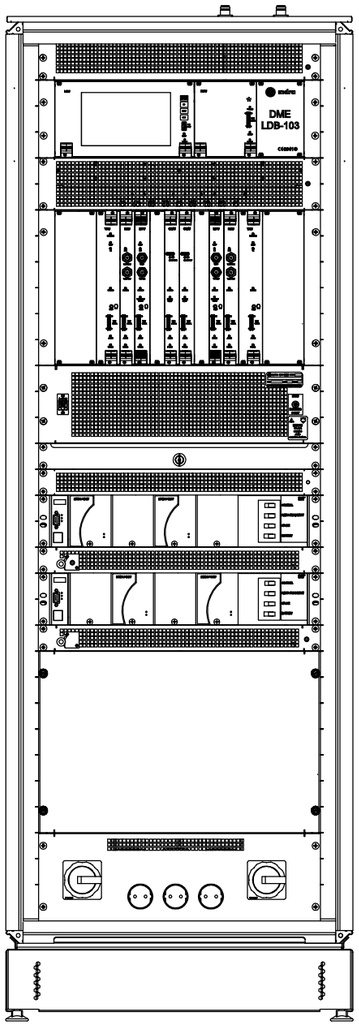
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09-06-08

4.2.5 LOW POWER DME CABINET [0063420001022]

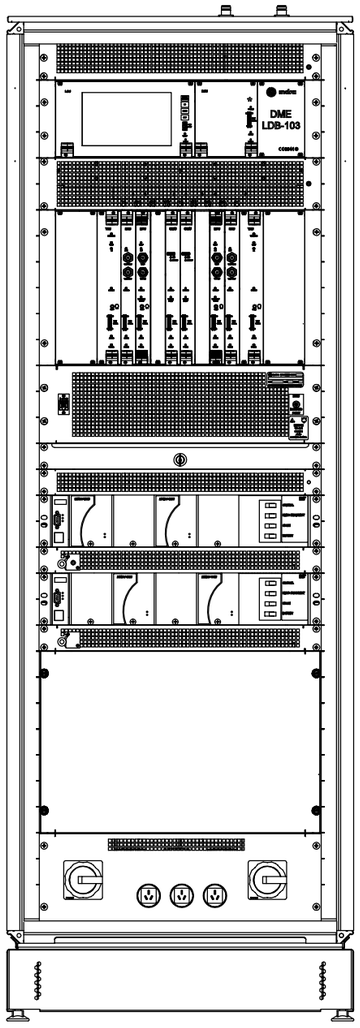
DME CABINET drawings [0063420001022DE00]

(16 pages attached)

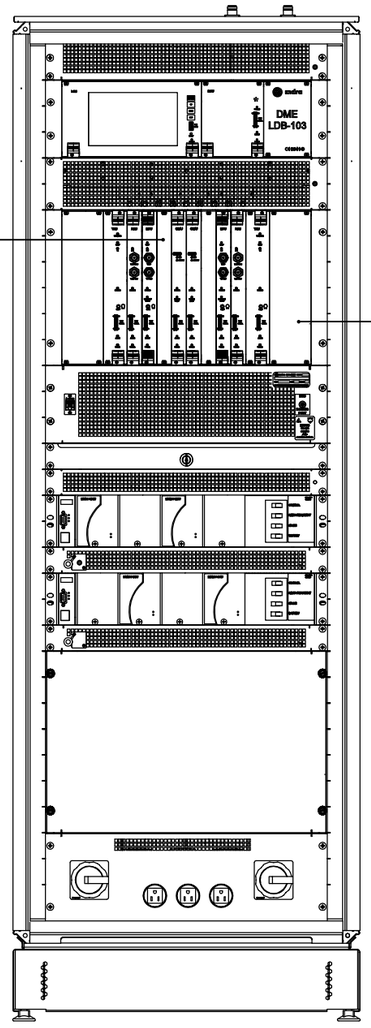
ED/RV	MODIFICACIÓN *MODIFICATION*	DIBUJA *DRAWN*	FECHA *DATE*	ZONA *ZONE*
A0	PRIMERA EDICIÓN / FIRST EDITION	aspro	06-03-13	
A1	REVISION / REVIEW - PCI Nº. 0063420001022PC01	mgreguera	05-12-13	



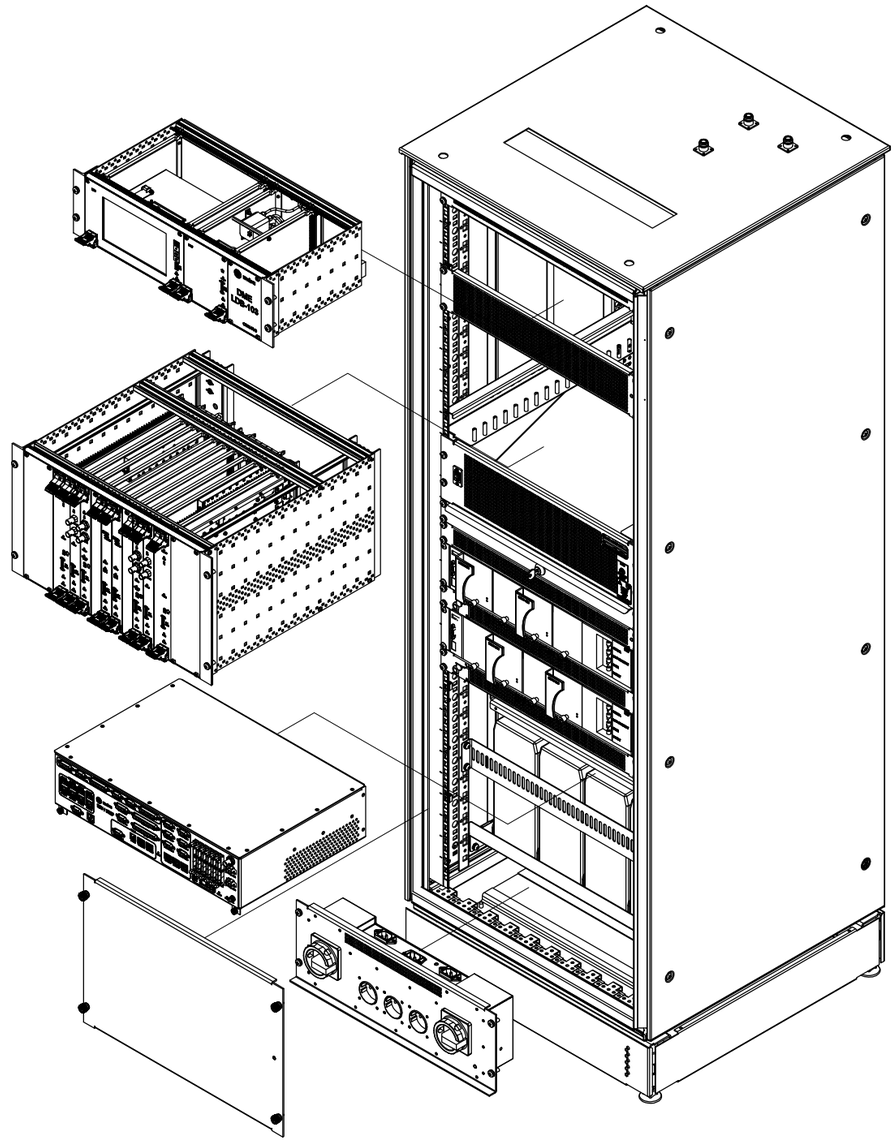
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DME LDB-103 100 W / DUAL SYSTEM
2 MONTORS - SP - NORMAC



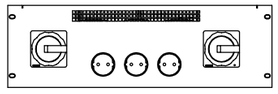
MODEL .08
DME LDB-103 100 W / DUAL SYSTEM
2 MONTORS - AU/NZ



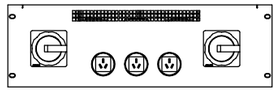
MODEL .13
DME LDB-103 100 W / DUAL SYSTEM
2 MONTORS - USA



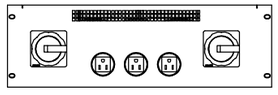
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AC INPUT BOX [SP] - 0063400001301



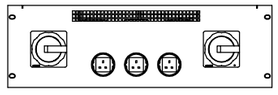
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DETALLE / DETAIL
AC INPUT BOX [USA] - 0063400001303



DETALLE / DETAIL
AC INPUT BOX [UK] - 0063400001304



NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00
MODELOS NORMAC EN GRIS CLARO RAL 7035

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00
NORMAC MODELS IN LIGHT GREY RAL 7035

ED/RV DE HOJAS *ED/RV OF SHEETS*						
18		12	A1	6	A1
17		11	A1	5	A1
16	A1	10	A1	4	A1
15	A1	9	A1	3	A1
14	A1	8	A1	2	A1
13	A1	7	A1	1	A1

TOLERANCIAS GENERALES S/NORMA *GENERAL TOLERANCES P/NORME*
ISO 2768-mK
ARISTAS MATADAS CON R.-0,3 O CHAFLANES DE 0,3x45° *BREAK ALL SHARP EDGES WITH R.-0,3 OR CHAMFER OF 0,3x45°*
LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD *CAD MAINTENANCE*
MODEL:
CAD:

MATERIAL *MATERIAL*
TRATAMIENTO *TREATMENT*
ACABADO *FINISH*
RUG.SUP. *ROUGHNESS*

	PREP. *PREP*	REV. *CHECK*	APROB. *APVD*	AUTO. *AUTH*
NOMBRE *NAME*	mgreguera	jlsbuendia	jblazquez	pbravo
FECHA *DATE*	29-11-13	29-11-2013	29-11-13	29-11-13

indra
INDRA SISTEMAS S.A.
CAGE CODE 0177B / 0178B

DENOMINACION *TITLE*
DME CABINET [FC][LP][NORMAC]

Nº DE PLANO *DRAWING NUM*	TIPO *TYPE*	ORD.	ED/RV
00634 2 00010 22	DE	00	A1

CLASIFICACIÓN *CLASSIFICATION*	Nº CONTRATO *CONTR. NUM*

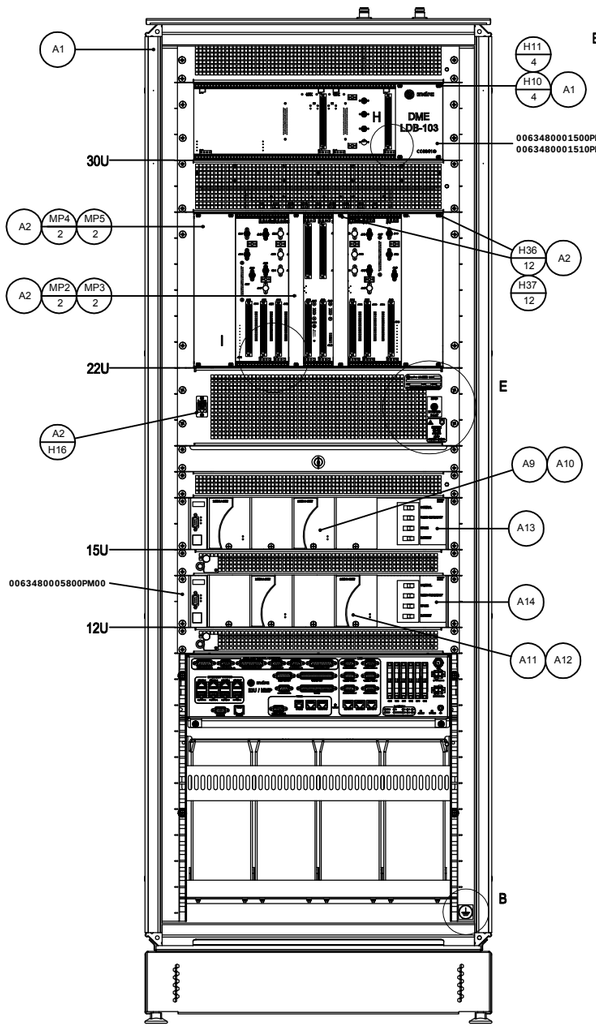
ESCALA *SCALE* N / S | FORMATO *SIZE* A1 | HOJA *SHEET* 1 / 16

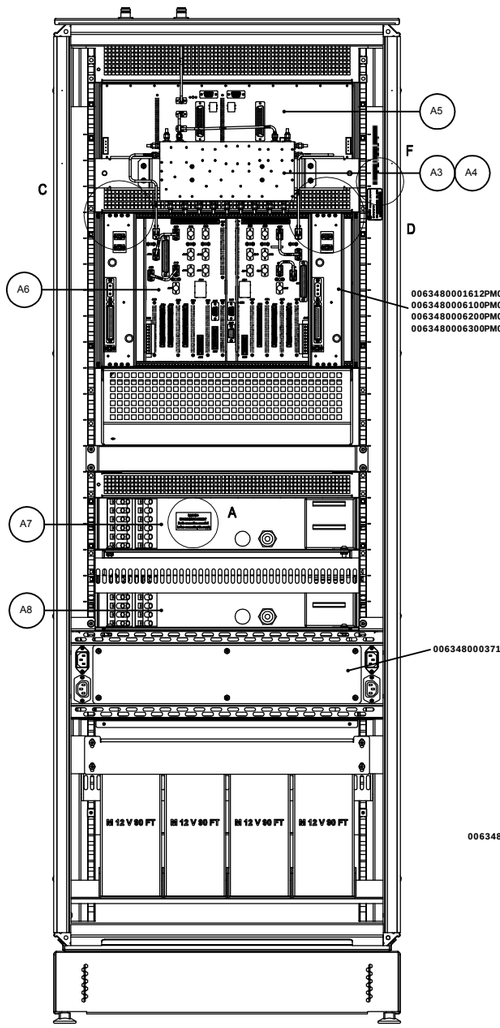
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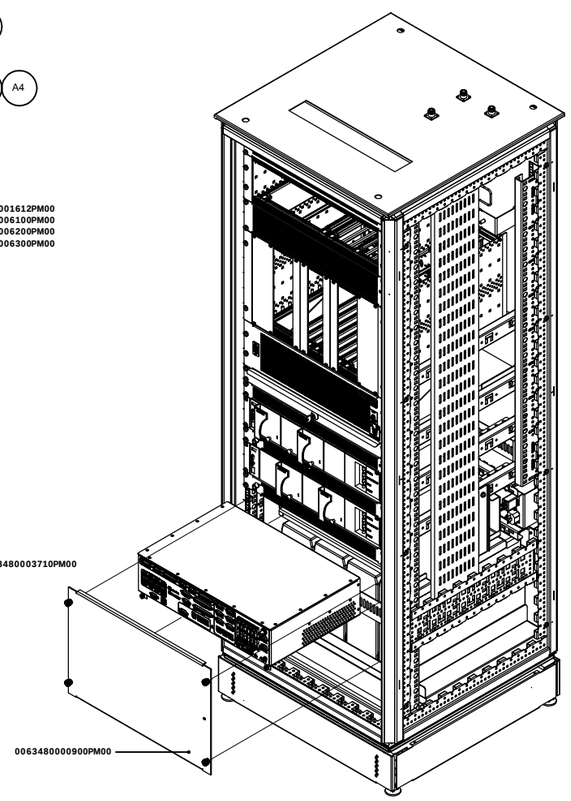
FRM-A1-H1-INDRA
09-06-08

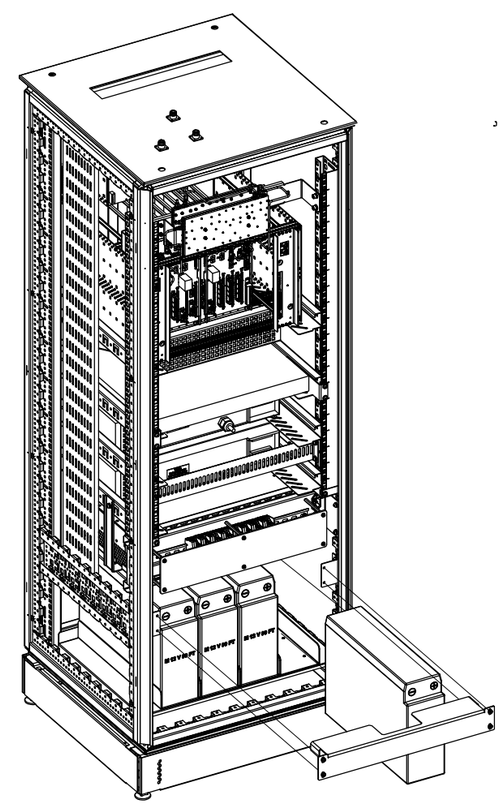
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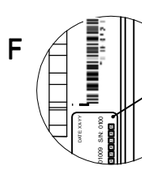
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HA SIDO CREADO, Y SERÁ COPIADO Y ENTREGADO A TERCERAS PERSONAS SIN AUTORIZACIÓN EXPRESA DE INDRA.
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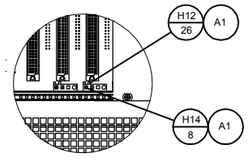








DETALLE H
ESCALA 1 : 2

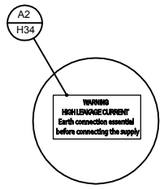


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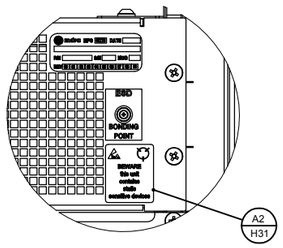
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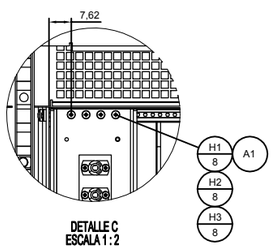
DETALLE B
ESCALA 1 : 2



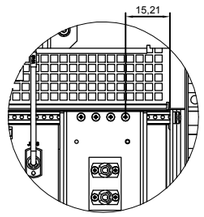
DETALLE A
ESCALA 1 : 2



DETALLE E
ESCALA 1 : 2



DETALLE C
ESCALA 1 : 2



DETALLE D
ESCALA 1 : 2

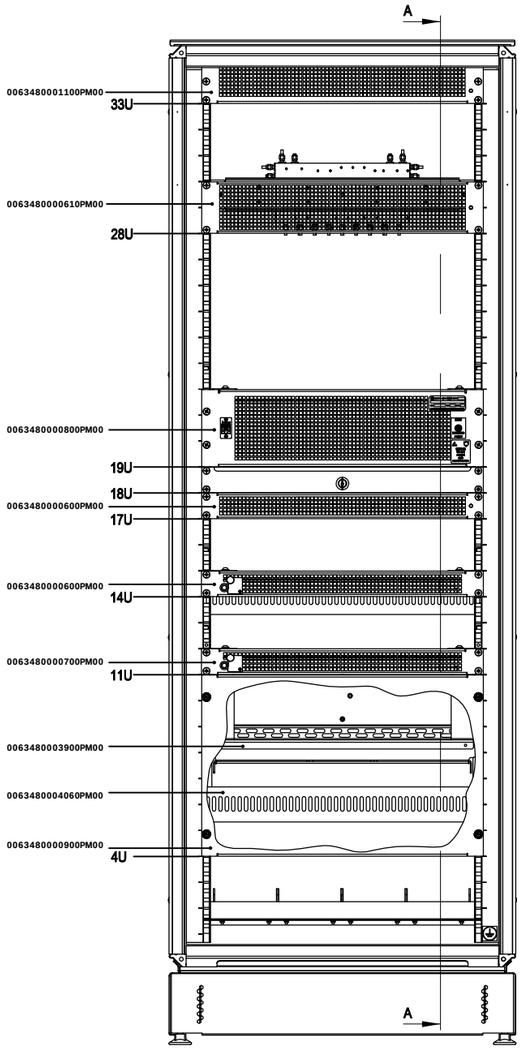
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0063420001202	A2	MISCELLANEOUS [LP][2 MTU]
0063430002000	A3, A4	RFS SHELF
0063430003000	A5	SUBRACK 1 MOTHERBOARD
0063430005700	A6	SUBRACK 2 MOTHERBOARD
0063420006200	A7, A8	POWER SUPPLY SUBRACK UNIT LRU
0063420005500	A9-A12	RECTIFIER MODULE LRU
0063420006300	A13, A14	BREAKERS SET LRU

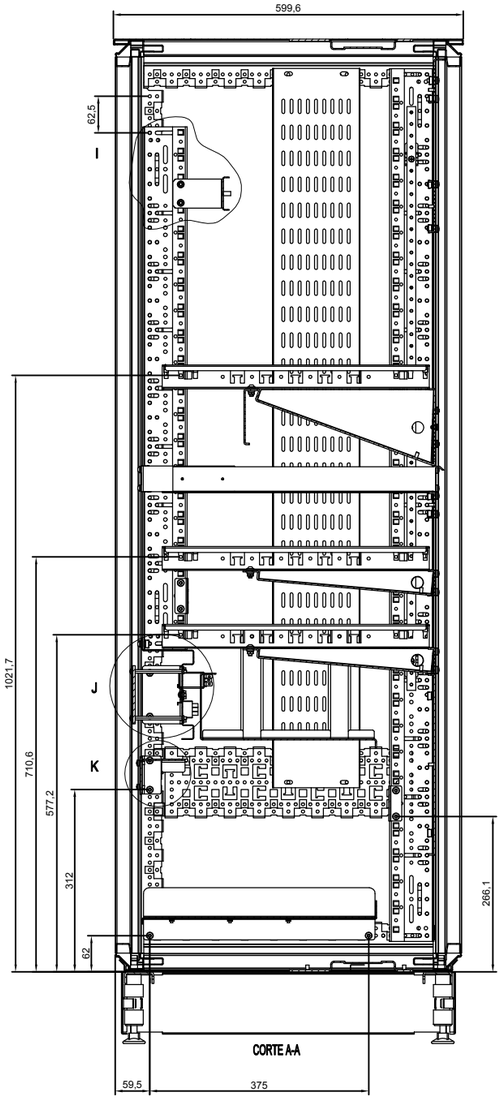
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MODELOS NORMAC EN GRIS CLARO RAL 7035

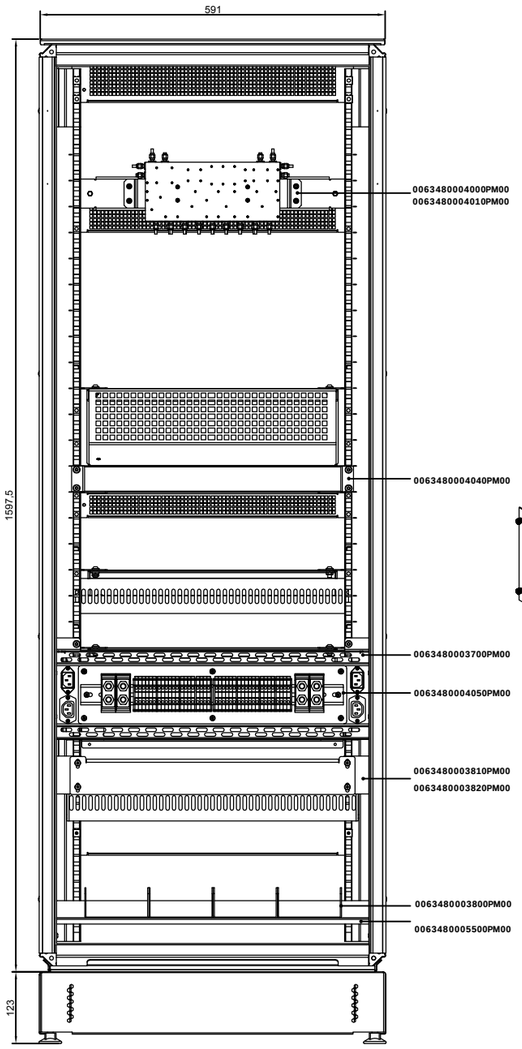
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NORMAC MODELS IN LIGHT GREY RAL 7035

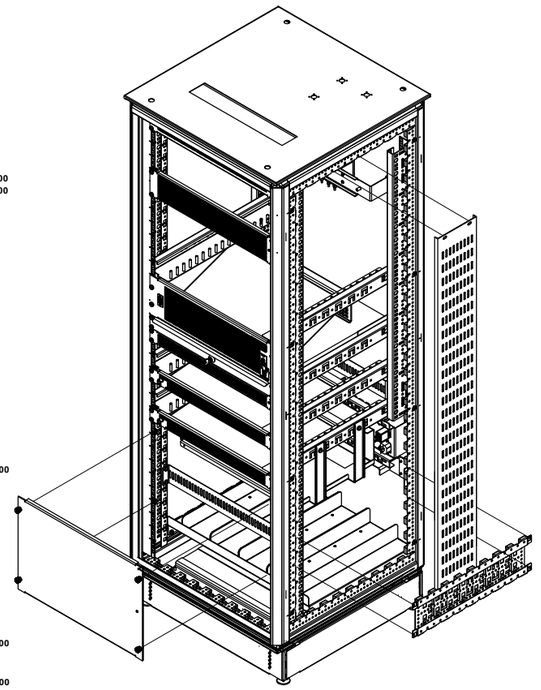
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	CLASIFICACIÓN / CLASSIFICATION		Nº CONTRATO	CONTR. NUM	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA / SCALE: N/S	FORMATO / SIZE: A1	HOJA / SHEET: 2 / 16		

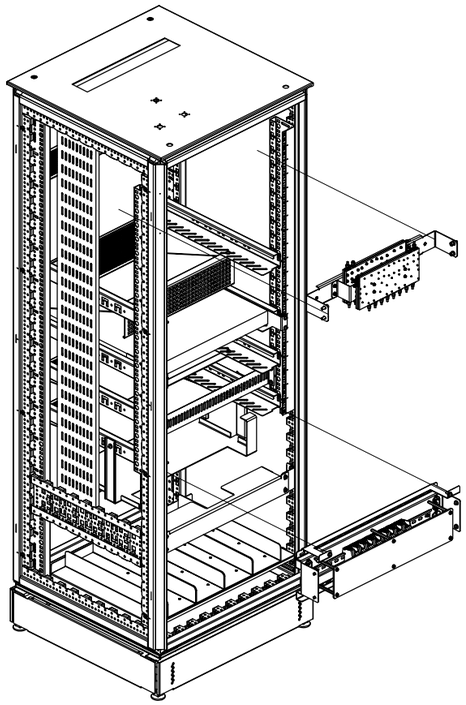
FRM-A1-H1-INDRA
09-06-08







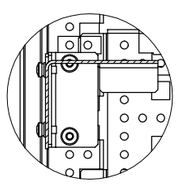


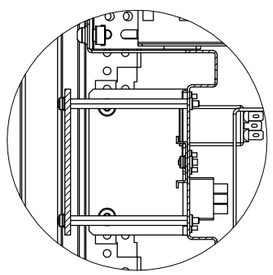


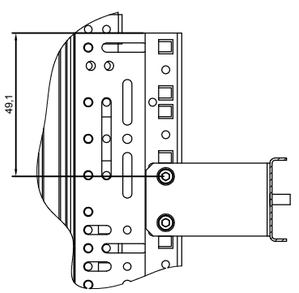
NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

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1	M01130010LPA0	Screw M3*10 DIN 7985	2
2	M01140008LPA0	Screw M4*8 DIN 7985	6
3	M01150012LPA0	Screw M5*12 DIN 7985	4
4	M01160016LPA0	Screw M6*16 DIN 7985	16
5	M151300125LA0	Washer M3 DIN 125	2
6	M151300127EA6	Washer M3 DIN 127	2
7	M151400125ARS	Washer M4 DIN 125	30
8	M151500125AA0	Washer M5 DIN 125	13
9	M151500127EA0	Washer M5 DIN 127	13
10	M151600127EA6	Washer M6 DIN 127	112
11	M151400127EA6	Washer M4 DIN 127	30
12	M101400934EA0	Nut M4 DIN 934	24
13	M101500934EA0	Nut M5 DIN 934	9
14	1502516016001	Screw Allen M6x16 ISO7380	100
15	M151600125AA0	Washer M6 DIN 125	68
16	1883000260000	GND Point	1
17	1237714523000	Faston terminal M6.3 45°	14
18	1235026153000	PANEL PASACAB PERF 27U	1
19	0063420006400	Conj. Rack Metalworks	1
20	M151300125AA0	Washer M3 DIN 125	26
21	M151300127EA0	Washer M3 DIN 127	26
22	M151400125AA6	Washer M4 DIN 125	7
23	M151400127EA6	Washer M4 DIN 127	7
24	M01130018LPA0	Screw M3*18 DIN 7985	8
25	M01140008LPA0	Screw M4*8 DIN 7985	7
26	1701501980001	Rack Varistar 1600x600	1
27	M151506798JA0	Washer M5 DIN 6798	28
28	M01125008LPA0	Screw M2.5*8 DIN 7985	16
29	1709981061000	Clip ESD PIN	30
30	1229990750000	GND Lead P/19"	2
31	M01120008LPA0	Screw M2*8 DIN 7985	12
32	M151250125AA0	Washer M2.5 DIN 125	16
33	M151250127EA0	Washer M2.5 DIN 127	16
34	M151200125AA0	Washer M2 DIN 125	12
35	M151200127EA0	Washer M2 DIN 127	12
36	1509909012021	Screw M2.5*12.3 RAN	8
37	1589990340000	Sleeve 5.9 mm - L=3.3 mm	8
38	1701501980000	Coding PIN. Ref. H10	8
39	M01130012LPA0	Screw M3*12 DIN 7985	10
40	M01130006LPA0	Screw M3*6 DIN 7985	8







DETALLE I
ESCALA 1:2

DETALLE / DETAIL:
0063420006400
CONJ. RACK METALWORK PARTS

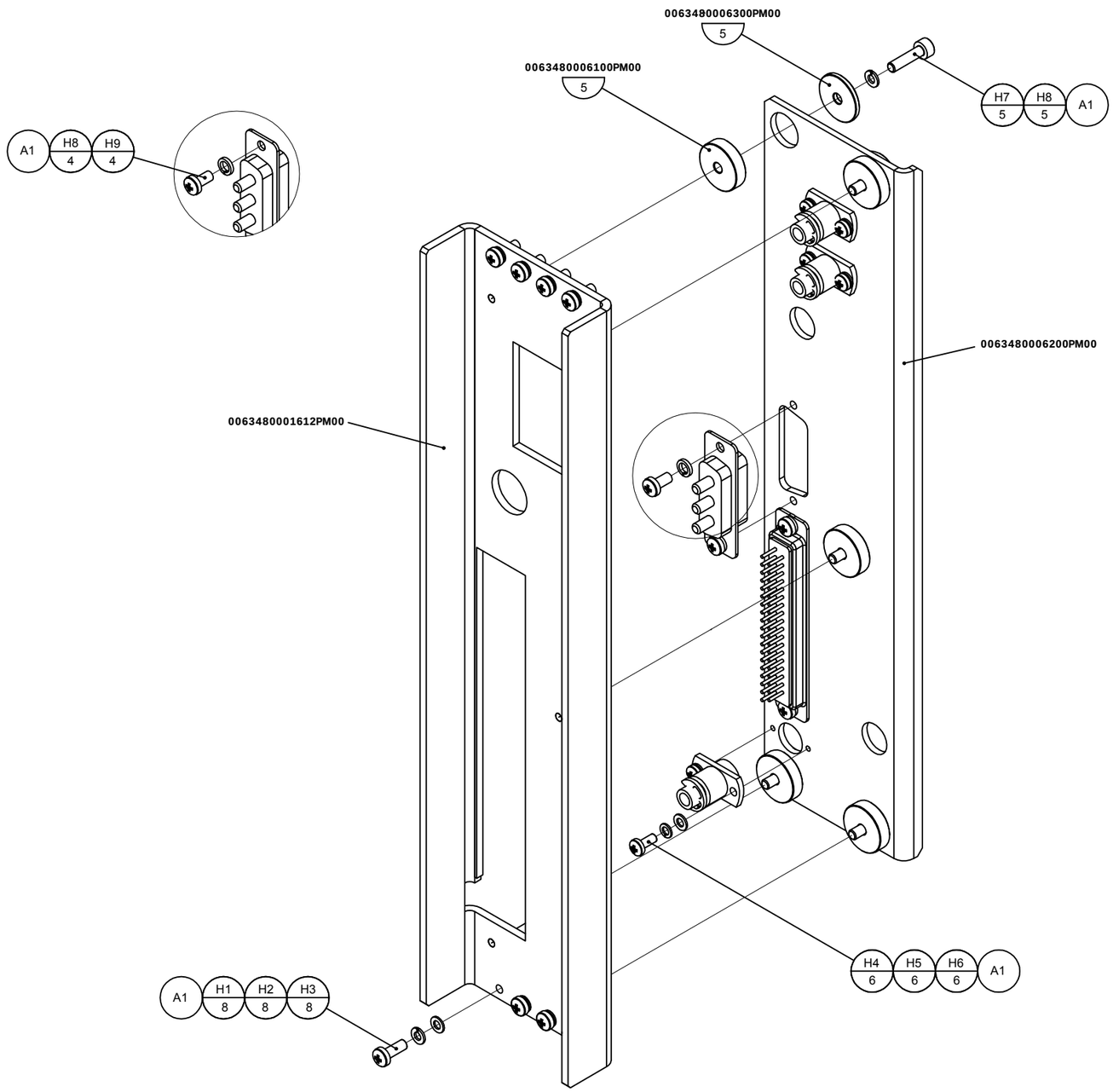
MODELOS NORMAC EN GRIS CLARO RAL 7035
NORMAC MODELS IN LIGHT GREY RAL 7035

indra	N° DE PLANO / DRAWING N°	00634 2 00010 22	TIPO / TYPE	ORD.	ED RV
			DE	00	A1
	CLASIFICACIÓN / CLASSIFICATION		Nº CONTRATO / CONTR. NUM		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA / SCALE	N/S	FORMATO / SIZE	A1	HOJA / SHEET 3 / 16

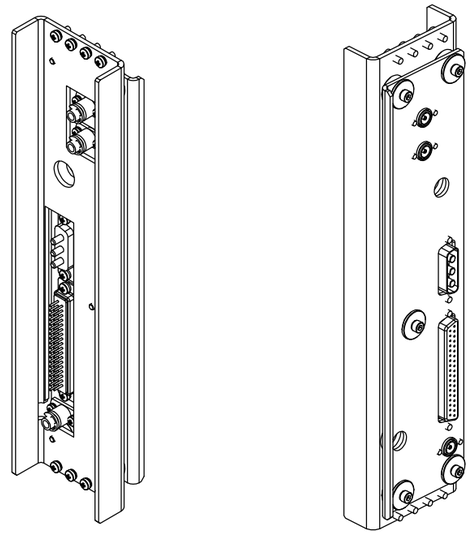
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CONNECTOR PLATE FLOATING



NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE LAS DOS PIEZAS CONNECTOR PLATE FLOATING :
x10 M3X12mm DIN 7985 + DIN 127 + DIN 125 - HPA FLOATING CAPS
x8 M3X6 DIN 7985 + DIN 127 + DIN 125 - CONECTORES SUB-D
x16 M2.5X8mm DIN 7985 + DIN 127 + DIN 125 - HPA CONNECTOR SUPPORT
x12 M2X6mm DIN 7985 + DIN 127 + DIN 125 - CONECTORES SMB CUANDO 0063420001009 [HP]

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

CONNECTOR PLATE FLOATING PARTS, LHS AND RHS, ASSEMBLY:
x10 M3X12mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - HPA FLOATING CAPS
x8 M3X6mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - SUB-D CONNECTORS
x16 M2.5X8mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - HPA CONNECTOR SUPPORT
x12 M2X6mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - SMB CONNECTORS WHEN 0063420001009 [HP]

indra	Nº DE PLANO *DRAWING Nº*		TIPO *TYPE*	ORD.	ED RV
	00634 2 00010 22		DE	00	A1
	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 4 / 16		

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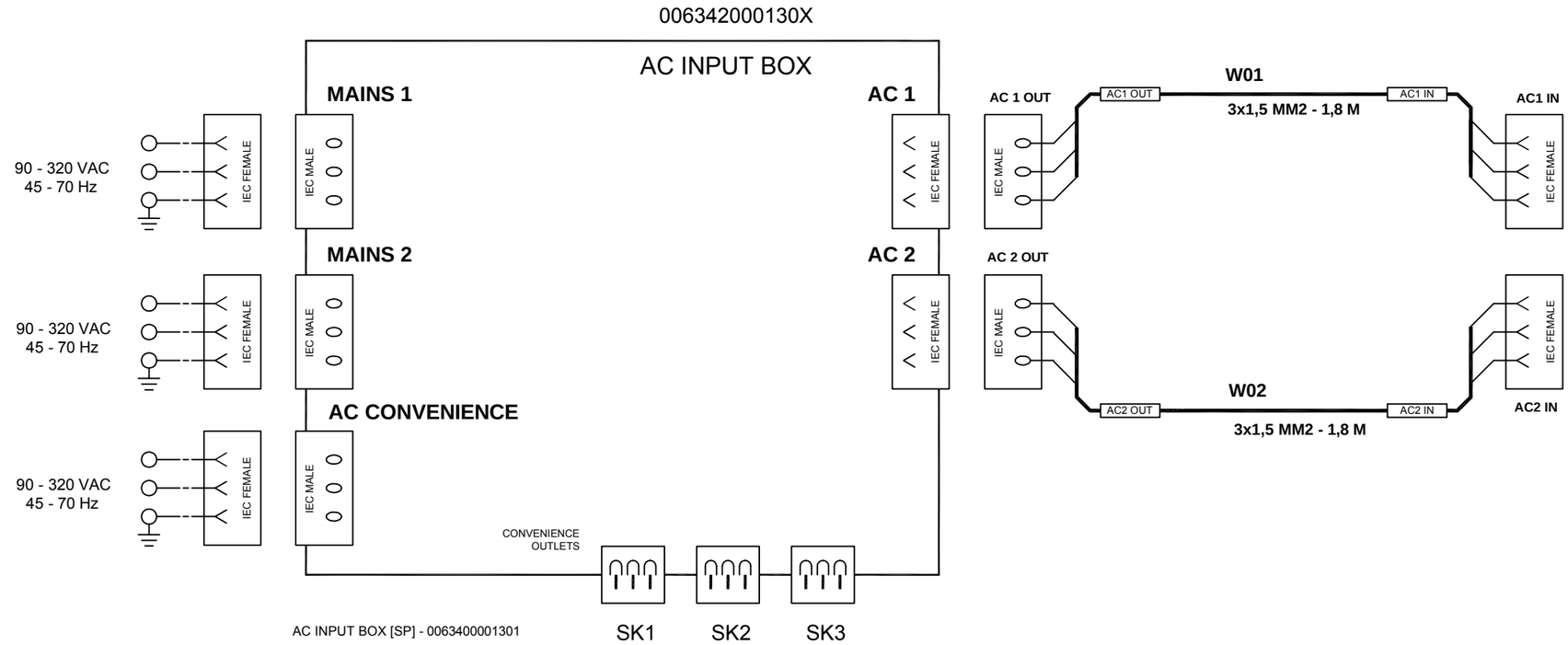
PARA TERMINALES / FOR TERMINALS

H6	H7	H8	H9	H10	H11	H12	H13	H14	H15	H22	H23
1	12	8	14	22	8	10	10			3	12

PARA CABLES / FOR WIRES

H25	H26	H27
16	16	16

0063420001202	MISCELLANEOUS [LP][2 MTU] WIRING
0063440001110 to 1160	Cable Assembly W01 to W06
0063440001160 to 1210	Cable Assembly W08 to W11
0063440001230 to 1460	Cable Assembly W13 to W36
0063440001480 to 1590	Cable Assembly W38 to W49
0063440001630 to 1720	Cable Assembly W53 to W62
0063440001760 to 1860	Cable Assembly W66 to W76



AC INPUT BOX [SP] - 0063400001301

AC INPUT BOX [AU/NZ] - 0063400001302

AC INPUT BOX [USA] - 0063400001303

AC INPUT BOX [UK] - 0063400001304

NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

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FRM-A2-H1-INDRA
09-06-08

INDRA SISTEMAS S.A.	N° DE PLANO *DRAWING N°* 00634 2 00010 22		TIPO *TYPE* DE	ORD. 00	ED RV A1	
CAGE CODE 0177B / 0178B	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*			
	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 5 / 16			

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0063420005100

POWER SUPPLY 2 (PSU2) [Down]

PSU2 FEED

LOAD LOAD BATTERY BATTERY LOAD COMMON LOAD COMMON LOAD COMMON LOAD COMMON BATTERY COMMON BATTERY COMMON

1 2 3 4 5 6 7 8 9 10 11 12

TB2-18 TB2-2 BI2-OUT1+ BI2-OUT2+ TB2-10 TB2-30 BI2_OUT1- BI2_OUT2-

PS2-1 PS2-2 PS2-5 PS2-6 PS2-7 PS2-8 PS2-11 PS2-12

W08 1.5 MM2 - 0.85 M

W09

W10

BI2_OUT1+ AWG10-RED
BI2_OUT2+ AWG10-BLACK
BI2_OUT1- AWG10-RED
BI2_OUT2- AWG10-BLACK

0063420005100

[Up] POWER SUPPLY 1 (PSU1)

PSU1 FEED

BATTERY COMMON BATTERY COMMON LOAD COMMON LOAD COMMON LOAD COMMON LOAD COMMON BATTERY BATTERY LOAD LOAD

12 11 10 9 8 7 6 5 4 3 2 1

BI1_OUT2- BI1_OUT1- TB1-30 TB1-10 BI1-OUT2+ BI1-OUT1+ TB1-2 TB1-18

PS1-12 PS1-11 PS1-8 PS1-7 PS1-6 PS1-5 PS1-2 PS1-1

W05

W04

W03 1.5 MM2 - 0.85 M

AWG10-RED BI1_OUT1+
AWG10-BLACK BI1_OUT2+
AWG10-RED BI1_OUT1+
AWG10-BLACK BI1_OUT2+

H30 H17 4

H3 40

H2 5

INTERFACE PANEL TB2 [Left Hand Side Rear View]

INTERFACE PANEL TB1 [Right Hand Side Rear View]

PS2-5 PS2-6 PS2-11 PS2-12

P2 N2 P1 N1

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40

PS1-5 PS1-6 PS1-11 PS1-12

PS2-2 PS2-7 PS2-1 PS2-8 PS1-2 PS1-7 PS1-2 PS1-8

H4 10

H35 4 H5 4

TB2-2 TB2-10 TB2-18 TB2-30 TB1-2 TB1-10 TB1-18 TB1-30

AWG10-RED AWG10-BLACK AWG10-RED W09 AWG10-BLACK AWG10-RED AWG10-BLACK AWG10-RED W04 AWG10-BLACK

W08 AC PSU2 W03 AC PSU21

AC PSU2 IEC MALE PSU2 IEC FEMALE

H1 2 AC2 IEC MALE FILTERED W76

3x1,5 mm2
BLUE - BROWN - YELLOW/GREEN

MISCELLANEOUS

0063420001202

PSU1 IEC FEMALE AC PSU1 IEC MALE

AC1 IEC MALE FILTERED H1 2 W76

3x1,5 mm2
BLUE - BROWN - YELLOW/GREEN

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

x2 ABRAZADERAS TIPO NX-3 O EQUIVALENTE
x2 TUERCAS ENJAULADA M6
x4 TORNILLOS M6X16 MM + DIN 125 WASHER + DIN 127 WASHER

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

x2 NX-3 PLASTIC CLIPS TYPE OR EQUIVALENT:
x2 CAGE NUTS M6
x4 SCREWS M6X16 MM + DIN 125 WASHER + DIN 127 WASHER

INDRA SISTEMAS S.A.	N° DE PLANO *DRAWING N°* 00634 2 00010 22		TIPO *TYPE* DE	ORD. 00	ED RV A1
CAGE CODE 0177B / 0178B	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 6 / 16		

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0063420005100

POWER SUPPLY 2 (PSU2) [Down]

PSU2 FEED

LOAD | LOAD | BATTERY | BATTERY | LOAD COMMON | LOAD COMMON | LOAD COMMON | LOAD COMMON | BATTERY COMMON | BATTERY COMMON

1 2 3 4 5 6 7 8 9 10 11 12

BI2-OUT1+ BI2-OUT2+ BI2_OUT1- BI2_OUT2-

PS2-5 PS2-6 PS2-11 PS2-12

W08 1,5 MM2 - 0.85 M

W10

BI2_OUT1+ AWG10-RED
BI2_OUT2+ AWG10-BLACK
BI2_OUT1- AWG10-RED
BI2_OUT2- AWG10-BLACK

0063420005100

[Up] POWER SUPPLY 1 (PSU1)

PSU1 FEED

BATTERY COMMON | BATTERY COMMON | LOAD COMMON | LOAD COMMON | LOAD COMMON | LOAD COMMON | BATTERY | BATTERY | LOAD | LOAD

12 11 10 9 8 7 6 5 4 3 2 1

BI1_OUT2- BI1_OUT1- BI1-OUT2+ BI1-OUT1+

PS1-12 PS1-11 PS1-6 PS1-5

W05

BI1_OUT1- AWG10-RED
BI1_OUT2- AWG10-BLACK
BI1_OUT1+ AWG10-RED
BI1_OUT2+ AWG10-BLACK

W03 1.5 MM2 - 0.85 M

H30 H17 4

0063480003700PM00

INTERFACE PANEL TB2 [Left Hand Side Rear View]

INTERFACE PANEL TB1 [Right Hand Side Rear View]

PS2-5 PS2-6 PS2-11 PS2-12

PS1-5 PS1-6 PS1-11 PS1-12

P2 N2 P1 N1

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39
2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40

BTT2+ BTT2- BTT1+ BTT1-

BI2_IN1+ BI2_IN1- BI1_IN1+ BI1_IN2-

W08 AC PSU2

W11 AWG10-RED AWG10-BLACK

W06 AWG10-RED AWG10-BLACK

W03 AC PSU1

AC PSU2 IEC MALE

PSU2 IEC FEMALE

AC2 IEC MALE FILTERED

W76 3x1,5 mm2 BLUE - BROWN - YELLOW/GREEN

BI2_IN1- BI2_IN1+ BTT2- BTT2+

M12V90FT - M12V90FT +

BI1_IN1- BI1_IN1+ BTT1- BTT1+

M12V90FT - M12V90FT +

MISCELLANEOUS

0063420001202

PSU1 IEC FEMALE

AC PSU1 IEC MALE

AC1 IEC MALE FILTERED

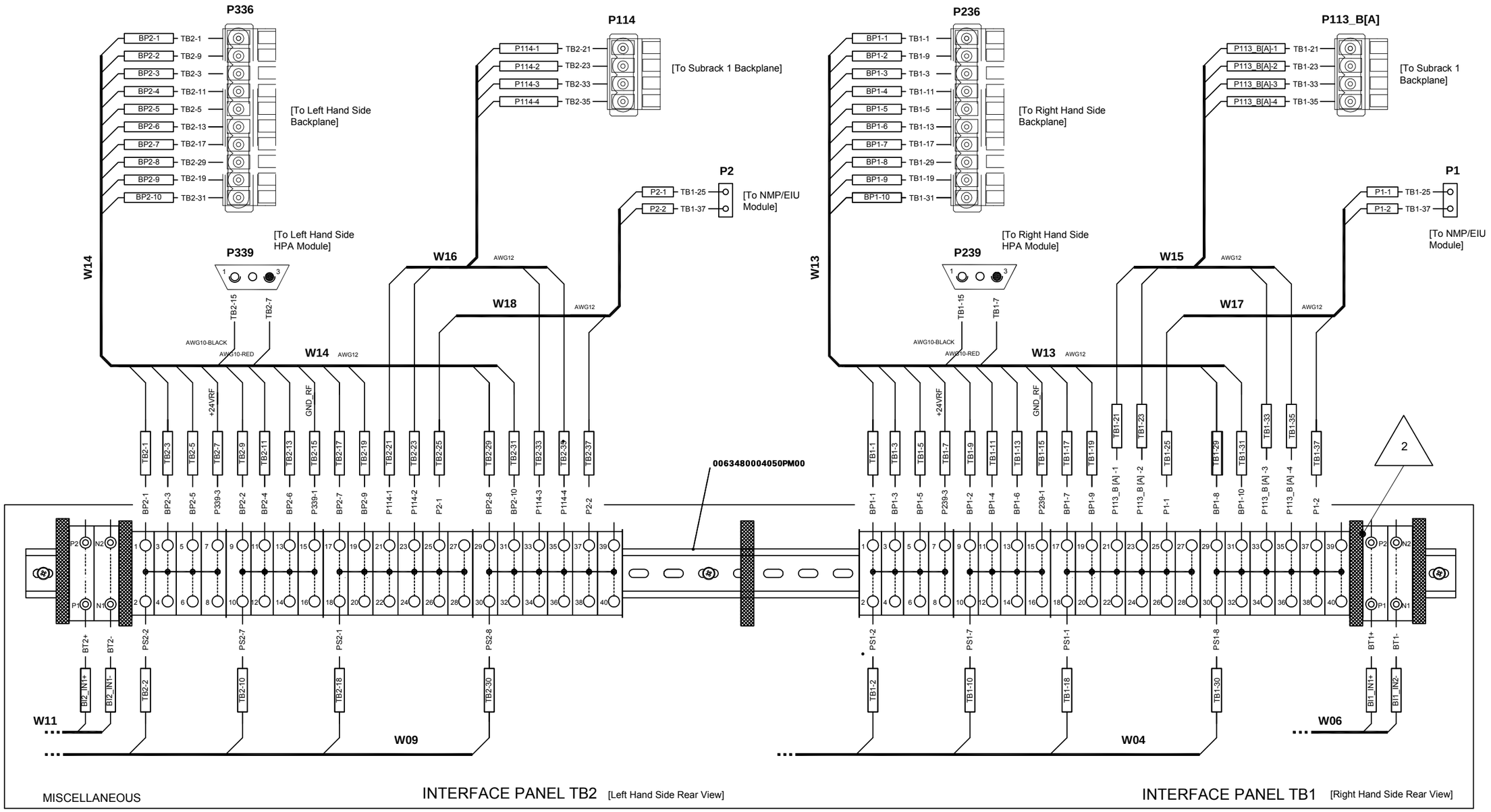
W76 3x1,5 mm2 BLUE - BROWN - YELLOW/GREEN

1 x4 BATTERIES 86AH P/N: NAMF120090HM0FA - Indra 1260116000700

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 22		TIPO *TYPE* DE	ORD. 00	ED RV A1
	CLASIFICACIÓN	*CLASSIFICATION*	Nº CONTRATO	*CONTR. NUM*	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 7 / 16		

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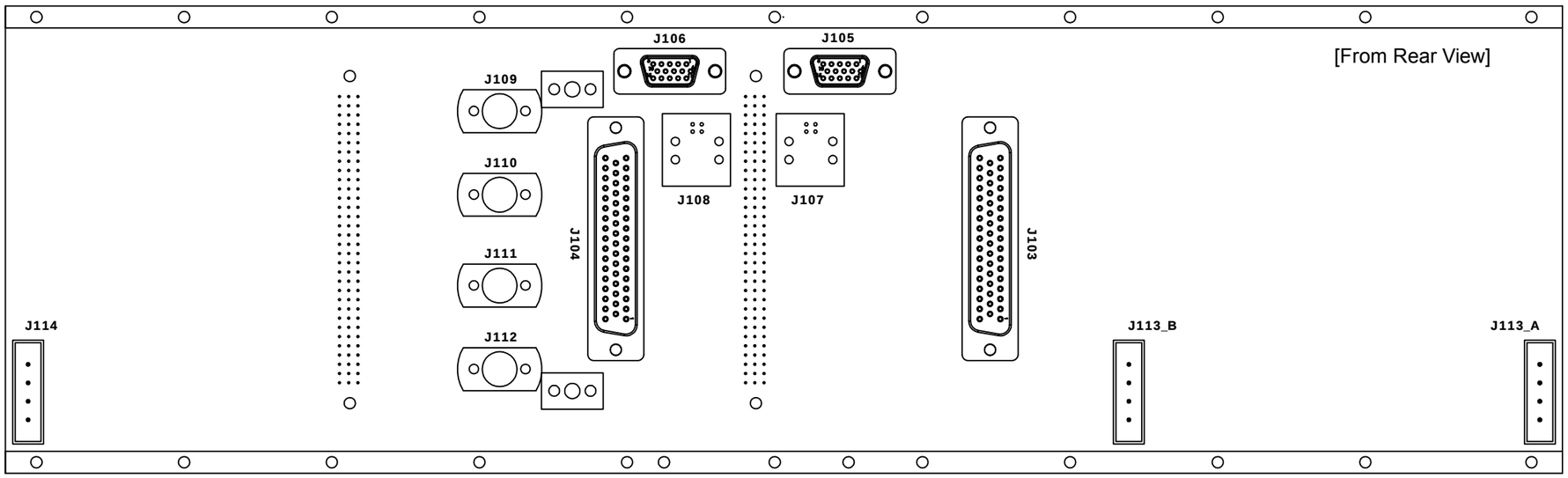
indra	N° DE PLANO *DRAWING N°*		TIPO *TYPE*	ORD.	ED RV
	00634 2 00010 22		DE	00	A1
	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 8 / 16		

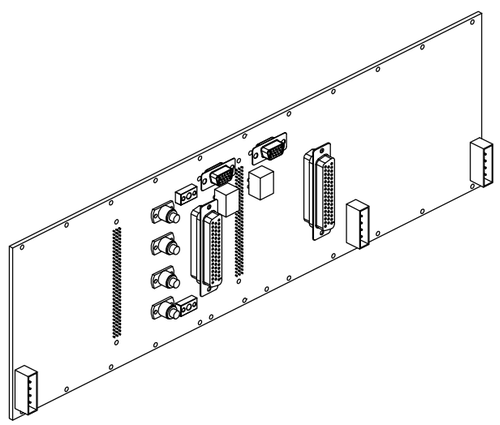
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SUBRACK 1
MOTHER BOARD

0063420003000





METALWORKS		SUBRACK 1	
1	M01125012LPA0	Screw M2.5*12 DIN 7985	24
2	1509009012021	Screw M2.5x12,3 RAN	4
3	1589990340000	Manguito de protección	4
4	1709981061000	ESD pin. Ref. H12	4
5	1229990750000	GND Lead	1

0063430003000LM00		SUBRACK 1 MOTHER BOARD	
1	...	...	
2	M01125012LPA0	Screw M2.5*12 DIN 7985	24
3	M01125010LPA0	Screw M2.5x10 DIN 7985	4
4	M01125008LPA0	Screw M2.5x8 DIN 7985	4
5	M151250125AA0	Washer M2.5 DIN 125	32
6	M151250127EA0	Washer M2.5 DIN 127	32
7	M01120010LPA0	Screw M2*10 DIN 7985	6
8	M151200125AA0	Washer M2 DIN 125	12
9	M151200127EA0	Washer M2 DIN 127	6
10	M101250934EA0	Nut M2.5 DIN 934	4
11	M101200934EA0	Nut M2 DIN 934	6

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE SUBRACK 1 MOTHERBOARD:
x4 M2.5X8mm DIN 7985 + DIN 127 + DIN 125 - LOS CENTRADORES HEMBRA
x4 M2.5X10mm DIN 7985 + DIN 127 + DIN 125 + DIN 934 - J101, J102
x24 M2.5X12mm DIN 7985 + DIN 127 + DON 125 - FIJACIÓN A SUBRACK 1
x6 M2X10mm DIN 7985 + DIN 127 + 2 DIN 125 + DIN 934 - CONECTORES SMB

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

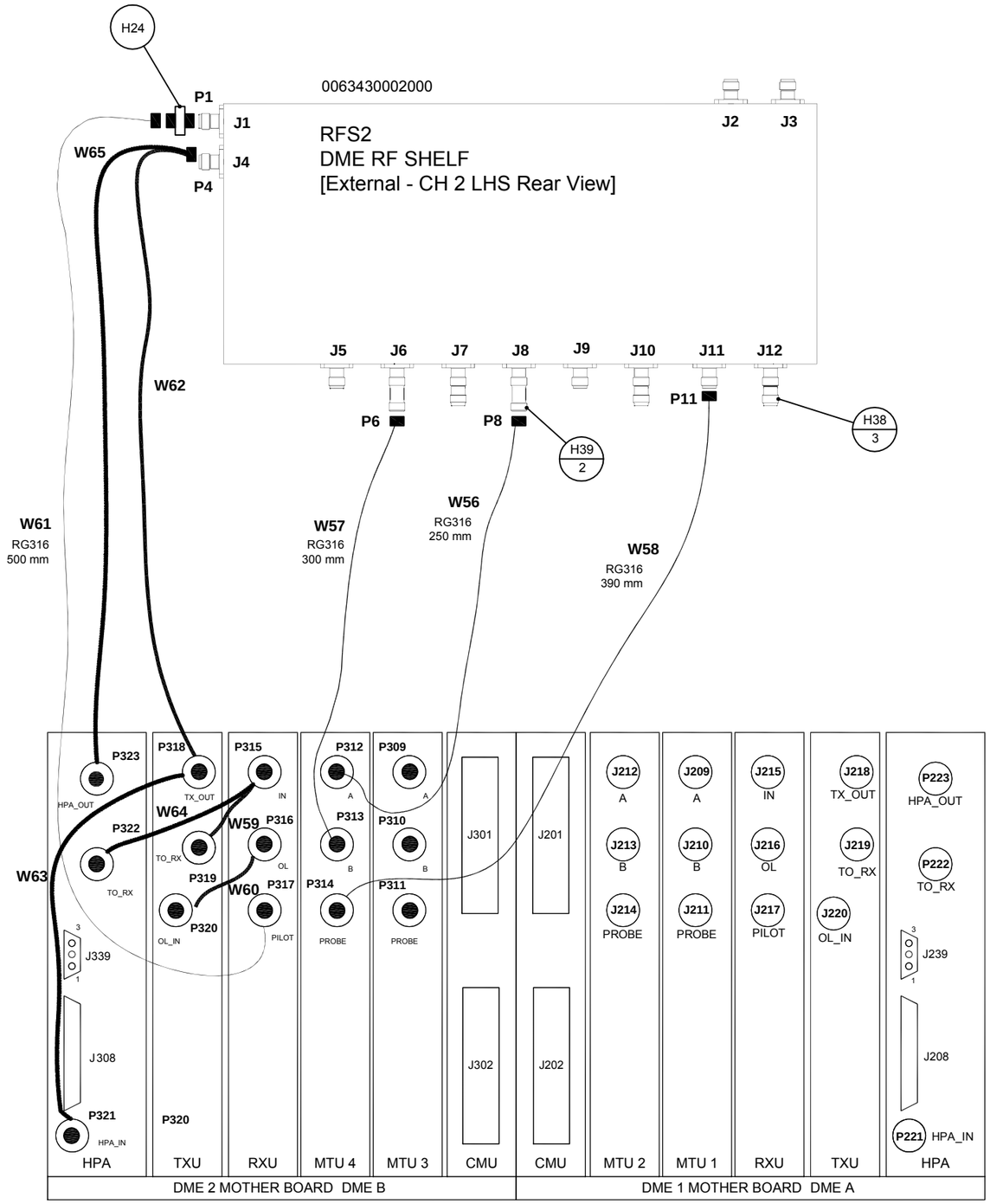
SUBRACK 1 MOTHERBOARD ASSEMBLY:
x4 M2.5X8mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - FEMALE POSITIONERS
x4 M2.5X10mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER + DIN 934 - J101, J102
x24 M2.5X12mm DIN 7985 + DIN 127 WASHER + DIN125 WASHER - MOTHER BOARD 1 TO SUBRACK
x6 M2X10mm DIN 7985 + DIN 127 WASHER + 2 DIN125 WASHER + DIN 934 - SMB CONNECTORS

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indra	N° DE PLANO *DRAWING N°* 00634 2 00010 22		TIPO *TYPE* DE	ORD. 00	ED RV A1
	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO		*CONTR. NUM*
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 9 / 16		

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REAR VIEW VISTA DESDE ATRAS

MISCELLANEOUS - 0063420001202

ASSEMBLY WIRES/CAB LES - LOW POWER VERSION

W53 - RG316 275 MM - NU IN 2 MTU CONFIGURATIONS
W54 - RG316 355 MM - NU IN 2 MTU CONFIGURATIONS
W55 - RG316 420 MM - NU IN 2 MTU CONFIGURATIONS
W56 - RG316 250 MM
W57 - RG316 300 MM
W58 - RG316 390 MM
W59 - EZ141 130 MM
W60 - EZ141 130 MM
W61 - RG316 500 MM
W62 - EZ141 340 MM

MISCELLANEOUS - 0063420001201

ASSEMBLY WIRES/CAB LES - HIGH POWER VERSION

W53 - RG316 275 MM - NU IN 2 MTU CONFIGURATIONS
W54 - RG316 355 MM - NU IN 2 MTU CONFIGURATIONS
W55 - RG316 420 MM - NU IN 2 MTU CONFIGURATIONS
W56 - RG316 250 MM
W57 - RG316 300 MM
W58 - RG316 390 MM
W60 - EZ141 130 MM
W61 - RG316 500 MM
W63 - EZ141 430 MM
W64 - EZ141 270 MM
W65 - EZ141 230 MM

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE LOS M DULOS RF SHELF:
x8 M3X18mm DIN 7985 + PLANA + GROWER
x4 M4X8mm DIN 7985 + PLANA + GROWER

NOTES:

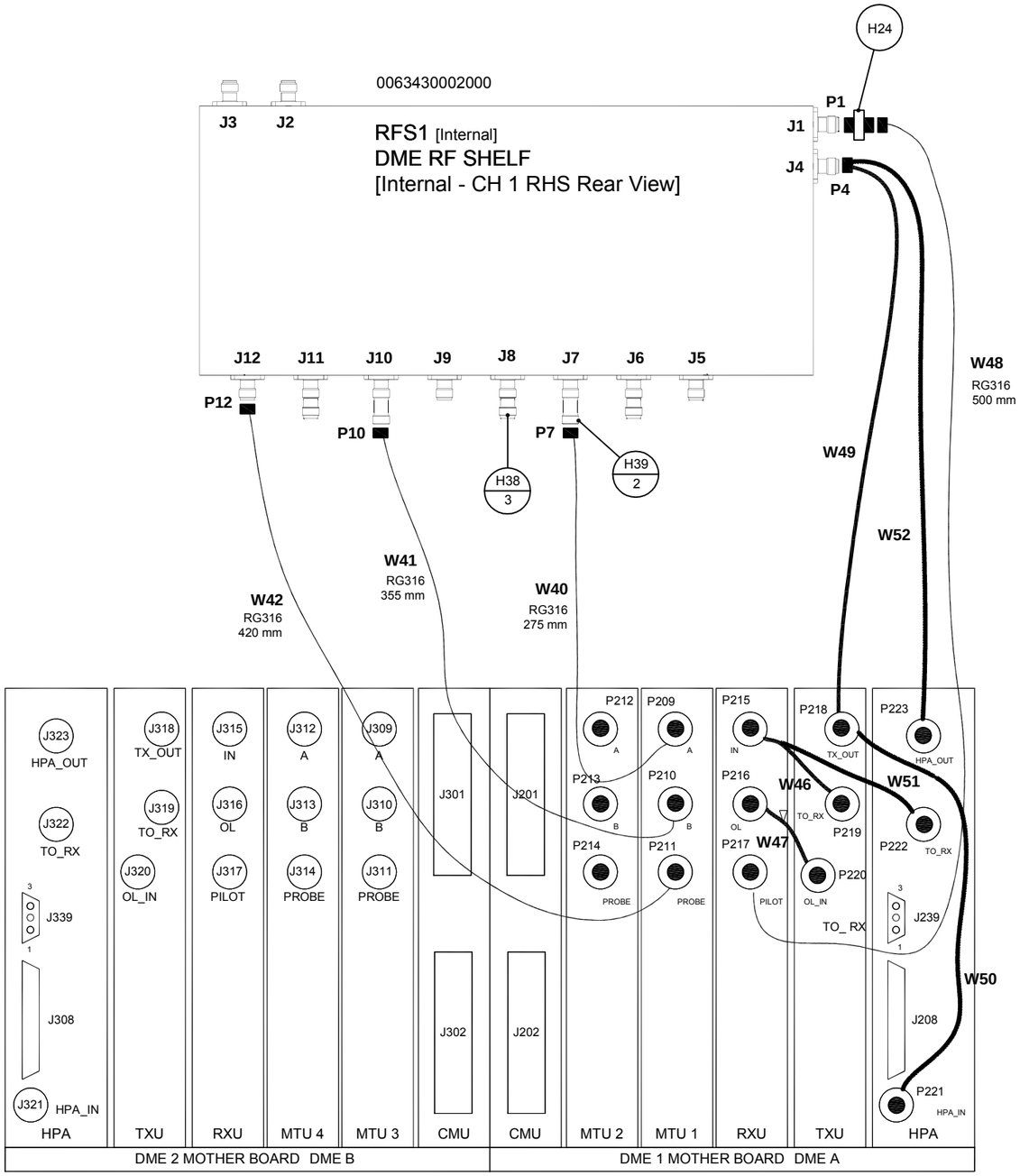
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

RF SHELF MODULES ASSEMBLY:
x8 M3X18mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER
x4 M4X8mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER

indra	N DE PLANO *DRAWING N°* 00634 2 00010 22		TIPO *TYPE* DE	ORD. 00	ED RV A1
	CLASIFICACI N	*CLASSIFICATION*	N CONTRATO		*CONTR. NUM*
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 10 / 16		

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REAR VIEW VISTA DESDE ATRAS

MISCELLANEOUS - 0063420001202

ASSEMBLY WIRES/CAB LES - LOW POWER VERSION

W40 - RG316 275 MM
W41 - RG316 355 MM
W42 - RG316 420 MM
W43 - RG316 250 MM - NU IN 2 MTU CONFIGURATIONS
W44 - RG316 300 MM - NU IN 2 MTU CONFIGURATIONS
W45 - RG316 390 MM - NU IN 2 MTU CONFIGURATIONS
W46 - EZ141 130 MM
W47 - EZ141 130 MM
W48 - RG316 500 MM
W49 - EZ141 375 MM

MISCELLANEOUS - 0063420001201

ASSEMBLY WIRES/CAB LES - HIGH POWER VERSION

W40 - RG316 275 MM
W41 - RG316 355 MM
W42 - RG316 420 MM
W43 - RG316 250 MM - NU IN 2 MTU CONFIGURATIONS
W44 - RG316 300 MM - NU IN 2 MTU CONFIGURATIONS
W45 - RG316 390 MM - NU IN 2 MTU CONFIGURATIONS
W47 - EZ141 130 MM
W48 - RG316 500 MM
W50 - EZ141 410 MM
W51 - EZ141 270 MM
W52 - EZ141 255 MM

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE LOS M DULOS RF SHELF:
x8 M3X18mm DIN 7985 + PLANA + GROWER
x4 M4X8mm DIN 7985 + PLANA + GROWER

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

RF SHELF MODULES ASSEMBLY:
x8 M3X18mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER
x4 M4X8mm DIN 7985 + DIN 125 WASHER + DIN 127 WASHER

indra	N DE PLANO *DRAWING N°* 00634 2 00010 22		TIPO *TYPE* DE	ORD. 00	ED RV A1
	CLASIFICACI N *CLASSIFICATION*		N CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 11 / 16		

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0063420003200

RCU
(RELAY CONTROL UNIT)

Top

P109

P110

P111

[RCU Back Connectors]

Bottom

[Rack Ceiling]

J401 / RF_OUT

W34

J402
ANT. PROBE 1

J403
ANT. PROBE 2

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

x1 ABRAZADERA TIPO NX-1 O EQUIVALENTE:
x3 ABRAZADERAS TIPO NX-0 O EQUIVALENTE
x3 TORNILLOS M3X8 MM + DIN 125 WASHER + DIN 127 WASHER
X1 M6X12 MM AUTORROSCABLE

(CONECTORES J401, J402 Y J403)
x12 TORNILLOS M3X10mm DIN 7985
x24 ARANDELAS DIN 125
X12 ARANDELAS DIN 127
X12 TUERCAS DIN 934

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

x2 NX-3 PLASTIC CLIPS TYPE OR EQUIVALENT
x3 NX-0 PLASTIC CLIPS TYPE OR EQUIVALENT
x3 SCREWS M3X8 MM DIN 7985 + DIN 125 WASHER + DIN 127 WASHER
x1 SCREW M6X16 MM AUTO

(J401, J402 AND J403 CONNECTORS)
x12 SCREWS M3X10mm DIN 7985
x24 DIN 125 WASHER
X12 DIN 127 WASHER
X12 DIN 934 HEX NUTS

W39
RG316
1050 mm

W36
RG316
330 mm

W38
RG316
880 mm

W35
RG316
165 mm

P3 P2

J3 J2

0063430002000

RFS1 [Internal]
DME RF SHELF

J1

J4

J12 J11 J10 J9 J8 J7 J6 J5

P9 P5

P2 P3

J2 J3

0063430002000

RFS2 [External]
DME RF SHELF

J1

J4

J5 J6 J7 J8 J9 J10 J11 J12

P5 P9

W67

W66

ASSEMBLY WIRES/CAB LES

W34 - EZ141
W35 - EZ141
W36 - EZ141
W38 - RG316 880 MM
W39 - RG316 1050 MM
W66 - RG316
W67 - RG316

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 22		TIPO *TYPE* DE	ORD. 00	ED RV A1
	CLASIFICACIÓN	*CLASSIFICATION*	Nº CONTRATO	*CONTR. NUM*	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 12 / 16		

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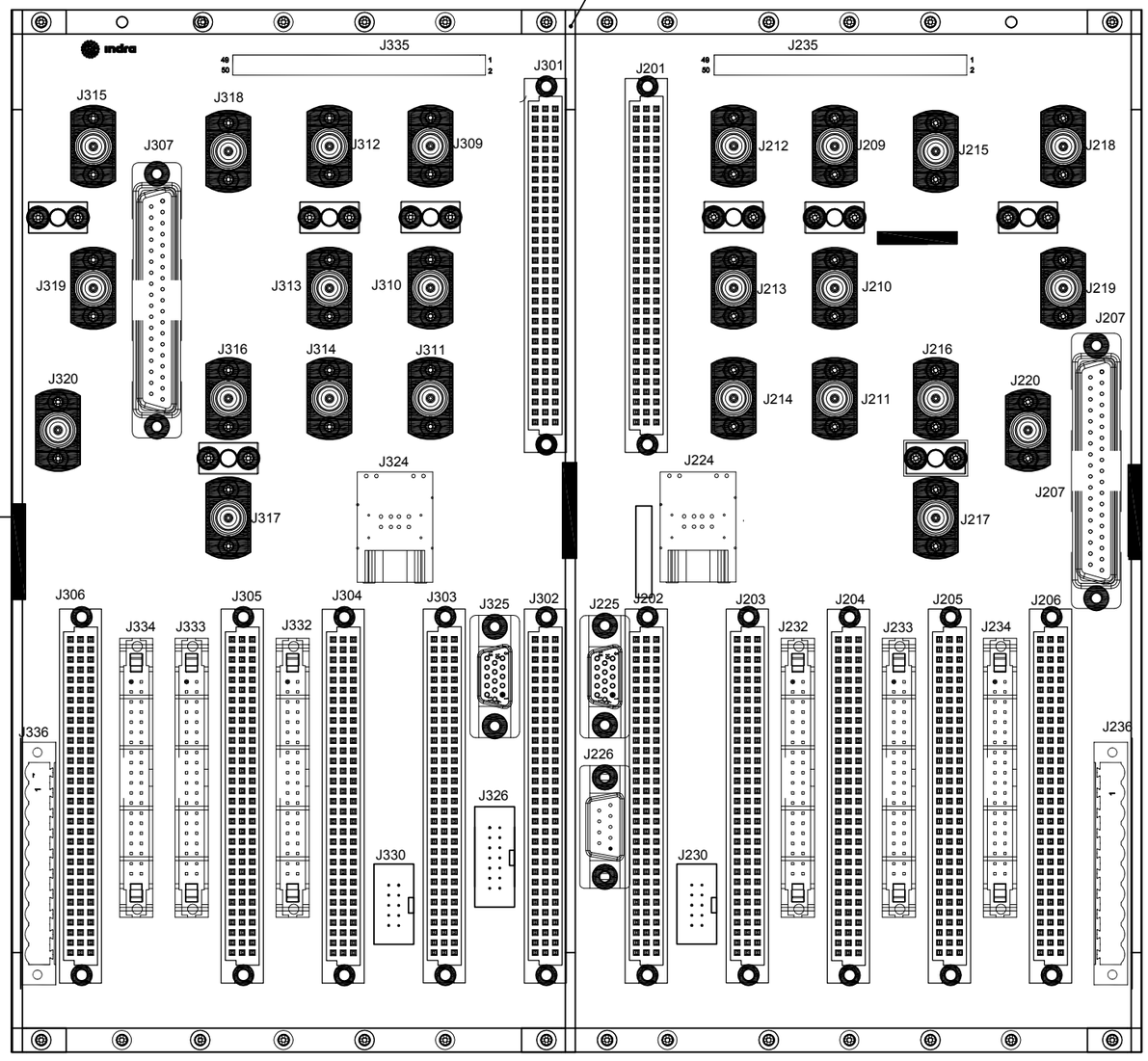
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0024780004070PM00

3

SUBRACK 2
MOTHER BOARD

0063420005700



METALWORKS		SUBRACK 2	
1	1709981061000	ESD pin Ref. H12	26
2	1229990750000	GND Lead	1

0063430005700LM00		SUBRACK 2 MOTHER BOARD	
1	...	...	
2	M01125016LPA0	Screw M2.5*16 DIN 7985	6
3	M01125012LPA0	Screw M2.5x12 DIN 7985	22
4	M01125008LPA0	Screw M2.5x8 DIN 7985	16
5	M151250125AA0	Washer M2.5 DIN 125	44
6	M151250127EA0	Washer M2.5 DIN 127	44
7	1540109000050	Washer M2.5 NYLON	16
8	M01120010LPA0	Screw M2*10 DIN 7985	44
9	M151200125AA0	Washer M2 DIN 125	88
10	M151200127EA0	Washer M2 DIN 127	44
11	M101200934EA0	Nut M2 DIN 934	44
12	M01130006LPA0	Screw M3*6 DIN 7985	10
13	M151300125AA0	Washer M3 DIN 125	10
14	M151300127EA0	Washer M3 DIN 127	10
15	G251511502010	Foam Acrylic TAPE 15 mm	-

NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE DE SUBRACK 2 MOTHERBOARD:
x16 M2.5X8mm DIN 7985 + DIN 127 + DIN 125 + NYLON - CENTRADORES HEMBRA
x22 M2.5X12mm DIN 7985 + DIN 127 + DIN 125 - FIJACIÓN A SUBRACK 2
x6 M2.5X16mm DIN 7985 + DIN 127 + DIN 125 - RIGIZADORES
x44 M2X10mm DIN 7085 + DIN 127 + 2 DIN 125 + DIN 934 - CONECTORES SMB
x10 M3X6mm DIN 7985 + DIN 127 + DIN 125 - CONECTORES SUB-D

COMPROBAR QUE LA PCB SUBRACK 2 MOTHER BOARD TIENE MONTADAS LAS TRES TIRAS DE ESPUMA ADHESIVA PARA EVITAR CORTOCIRCUITOS CON LOS RIGIZADORES.

NOTES:

REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

SUBRACK 2 MOTHERBOARD ASSEMBLY:
x16 M2.5X8mm DIN 7985 + DIN 127 WASHER+ DIN 125 WASHER + NYLON - FEMALE POSITIONERS
x22 M2.5X12mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - MB TO SUBRACK 2
x6 M2.5X16mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - STIFFENERS 6U
x44 M2X10mm DIN 7085 + DIN 127 WASHER + 2 DIN 125 WASHER + DIN 934 NUT - SMB CONECTORS
x10 M3X6mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER - SUB-D CONECTORS

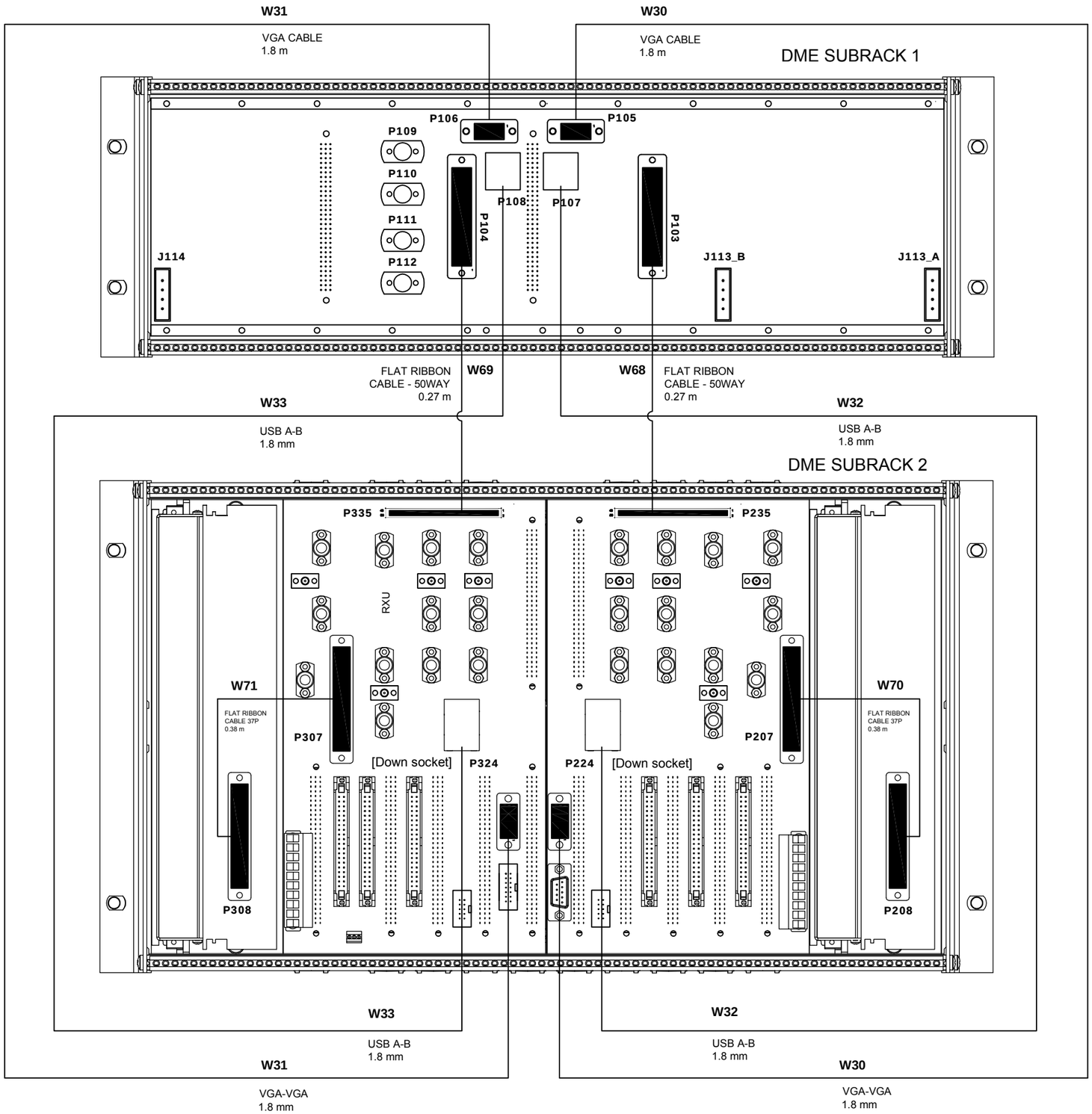
CHECK THE THREE PROTECTIVE FOAM TAPES ARE FITTED ON SUBRACK 2 MOTHER BOARD PBA TO AVOID SHORT CIRCUITS AFTER MOUNTING MOTHER BOARD STIFFENERS

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 22		TIPO *TYPE* DE	ORD. 00	ED RV A1
	CLASIFICACIÓN *CLASSIFICATION*		Nº CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 13 / 16		

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NOTAS:

CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

MONTAJE CABLES ETH, VGA, USB:
x7 TORNILLOS M6X12 MM AUTOROSCABLES
x2 ABRAZADERAS TIPO NX-3 O EQUIVALENTE
x2 ABRAZADERAS TIPO NX-5 O EQUIVALENTE
x1 ABRAZADERA TIPO NX-6 TYPE O EQUIVALENTE
x2 ABRAZADERA TIPO NX-8 TYPE O EQUIVALENTE
x2 BASES DE BRIDA TORNILLO BLANCAS
x2 TORNILLOS M4X6 MM DIN 7985

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

ETH, VGA, USB WIRING ASSEMBLY:
x7 SCREWS M6X12 MM AUTO
x2 NX-3 PLASTIC CLIPS TYPE OR EQUIVALENT
x2 NX-5 PLASTIC CLIPS TYPE OR EQUIVALENT
x1 NX-6 PLASTIC CLIPS TYPE OR EQUIVALENT
x2 NX-8 PLASTIC CLIPS TYPE OR EQUIVALENT
x2 WHITE BASE-SCREW PLASTIC CLIP
x2 SCREWS M4X6 MM DIN 7985

indra	N° DE PLANO / *DRAWING N°* 00634 2 00010 22		TIPO *TYPE* DE	ORD. 00	ED RV A1
	CLASIFICACIÓN / *CLASSIFICATION*		N° CONTRATO	*CONTR. NUM*	
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CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 14 / 16		

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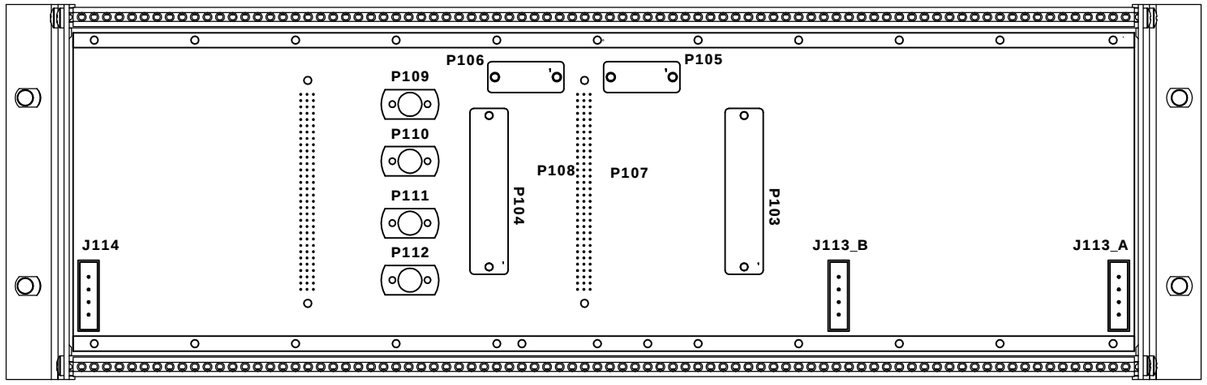
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DME SUBRACK 1

[From Interface Panel TB2
Left Hand Side Rear View]

P114

P114-1	TB2-21
P114-2	TB2-23
P114-3	TB2-33
P114-4	TB2-35



[From Interface Panel TB1
Right Hand Side Rear View]

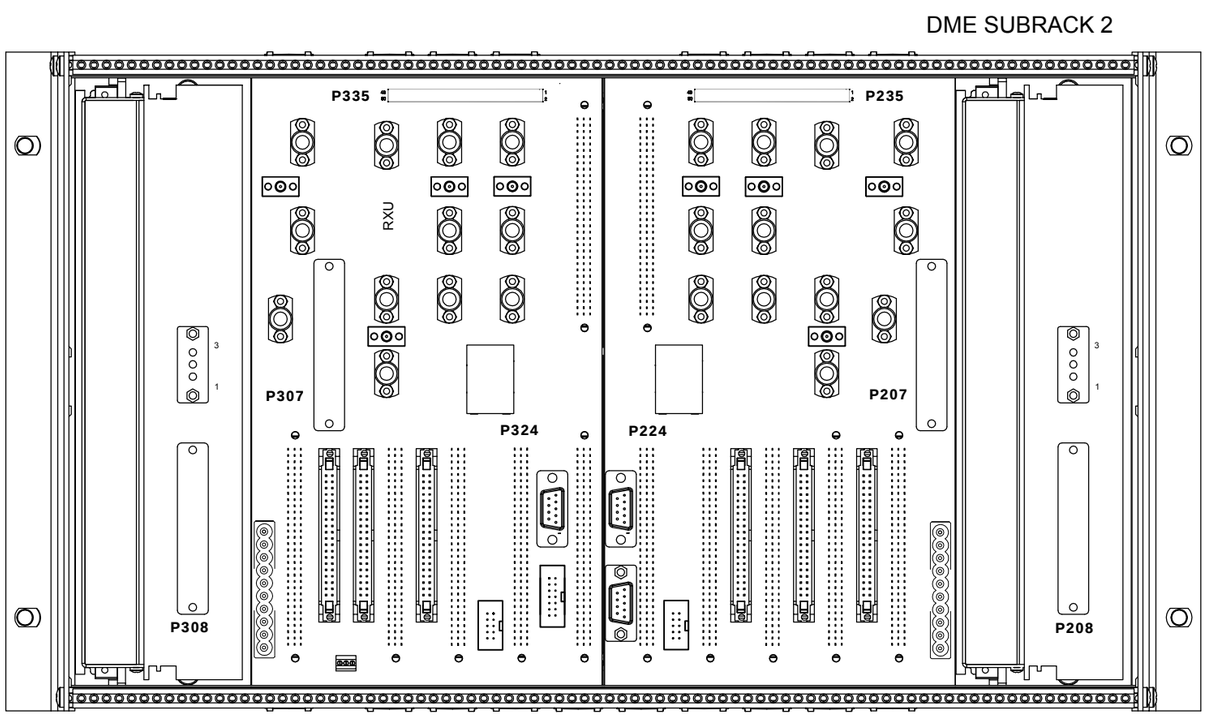
P113_B[A]

TB1-21	P113_B[A]-1
TB1-23	P113_B[A]-2
TB1-33	P113_B[A]-3
TB1-35	P113_B[A]-4

DME SUBRACK 2

P339

P339-1	TB2-15
P339-3	TB2-7



P239

TB1-7	P239-3
TB1-15	P239-1

P336

BP2-1	TB2-1
BP2-2	TB2-9
BP2-3	TB2-3
BP2-4	TB2-11
BP2-5	TB2-5
BP2-6	TB2-13
BP2-7	TB2-17
BP2-8	TB2-29
BP2-9	TB2-19
BP2-10	TB2-31

P236

TB1-1	BP1-1
TB1-9	BP1-2
TB1-3	BP1-3
TB1-11	BP1-4
TB1-5	BP1-5
TB1-13	BP1-6
TB1-17	BP1-7
TB1-29	BP1-8
TB1-19	BP1-9
TB1-31	BP1-10

NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420001009DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420001009DM00

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 22		TIPO *TYPE* DE	ORD. 00	ED RV A1
	CLASIFICACIÓN	*CLASSIFICATION*	Nº CONTRATO		*CONTR. NUM*
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S		FORMATO *SIZE* A2	HOJA *SHEET* 15 / 16	

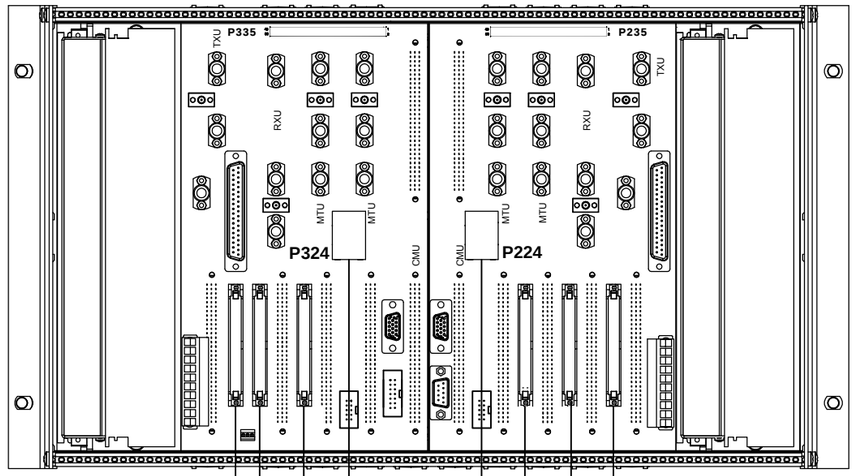
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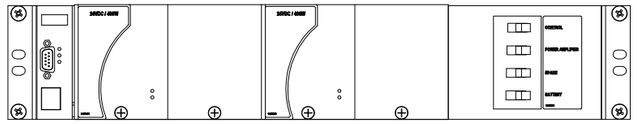
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DME SUBRACK 2



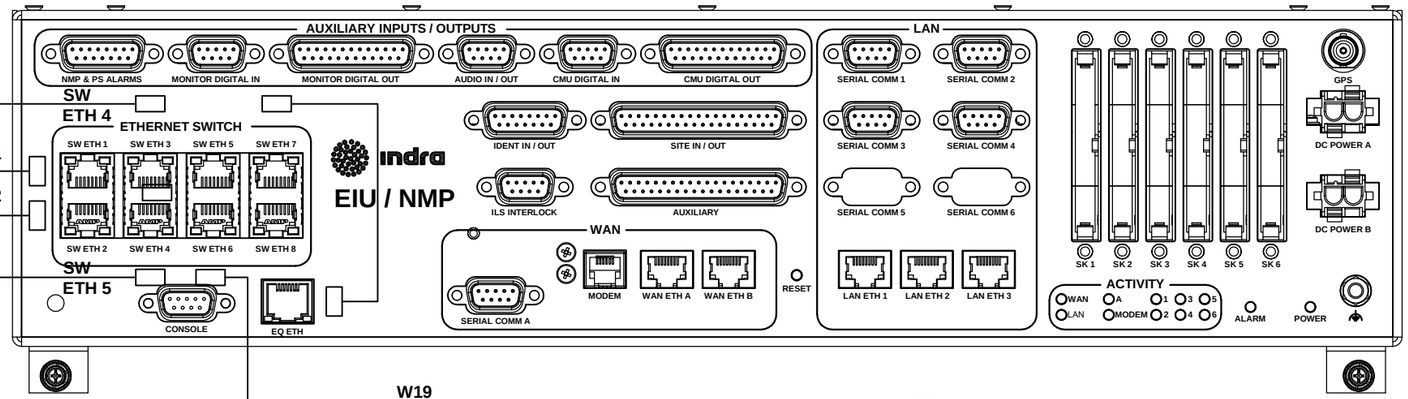
W20
W21
W29
W28
W27
W24
W25
W26
P3 P4 P5 P6 P7 P8

0063420005100
POWER SUPPLY 1 (PSU1)



ETH
PSU1

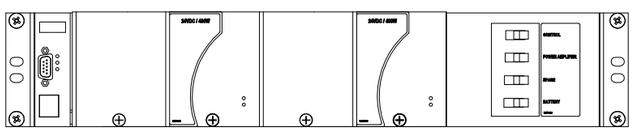
W22



P1 — W17 — [From Interface Panel TB1]
P2 — W18 — [From Interface Panel TB2]

W23
W19
ETH
LOCAL
H16

ETH
PSU2



0063420005100
POWER SUPPLY 2 (PSU2)

indra	N° DE PLANO *DRAWING N°* 00634 2 00010 22	TIPO *TYPE* DE	ORD. 00	ED RV A1
	CLASIFICACIÓN / *CLASSIFICATION*		Nº CONTRATO / *CONTR. NUM*	
INDRA SISTEMAS S.A.				
CAGE CODE 0177B / 0178B	ESCALA *SCALE* N/S	FORMATO *SIZE* A2	HOJA *SHEET* 16 / 16	

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09-06-08

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4.2.6 RF SHELF BOARD (RFS)

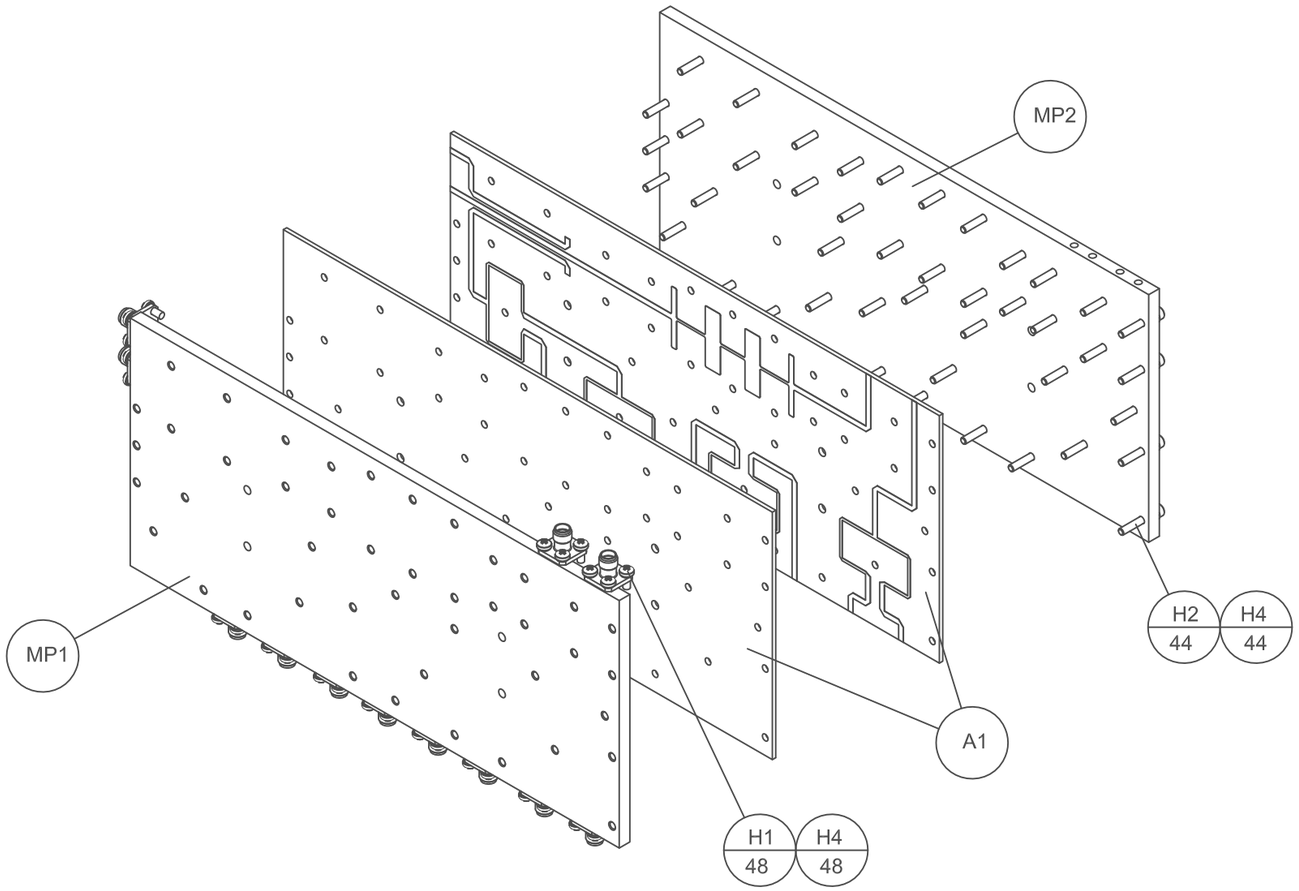
RFS Board DRAWINGS - [0063430002000DE00]

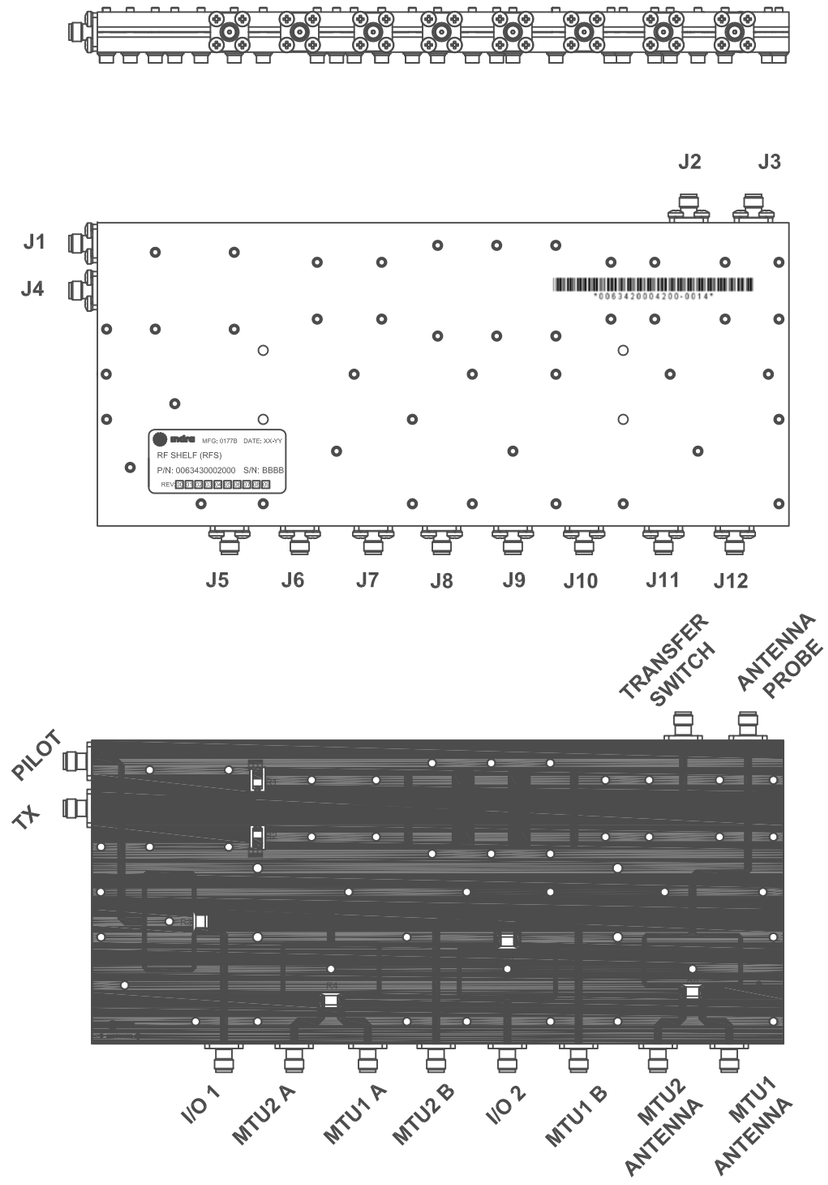
(1 page attached)

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ED/REV	MODIFICACIÓN *MODIFICATION*	DIBUJA *DRAWN*	FECHA *DATE*	ZONA *ZONE*
A0	PRIMERA EDICIÓN / FIRST EDITION	aspro	02-12-11	





NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420002000DM00

NOTES:
REFER TO DOCUMENT 0063420002000DM00

ED/RV DE HOJAS *ED/RV OF SHEETS*					
18		12		6	
17		11		5	
16		10		4	
15		9		3	
14		8		2	
13		7		1	A0

TOLERANCIAS GENERALES S/NORMA *GENERAL TOLERANCES P/NORME*
ISO 2768-mK

ARISTAS MATADAS CON R.-0,3
O CHAFLANES DE 0,3x45°
BREAK ALL SHARP EDGES WITH R.-0.3 OR CHAMFER OF 0,3x45°

LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD
CAD MAINTENANCE

MODEL:

CAD:

MATERIAL *MATERIAL*
VER NOTAS

RUG.SUP. *ROUGHNESS*

TRATAMIENTO *TREATMENT*

ACABADO *FINISH*
VER NOTAS

	PREP. *PREP*	REV. *CHECK*	APROB. *APVD*	AUTO. *AUTH*
NOMBRE *NAME*	aspro	jlsbuendia	jblazquez	pbravo
FECHA *DATE*	02-12-11	02-12-11	02-12-11	02-12-11

indra
INDRA SISTEMAS S.A.
CAGE CODE 0177B / 0178B

DENOMINACION *TITLE*
RF SHELF [RFS]

N° DE PLANO *DRAWING NUM*	TIPO *TYPE*	ORD.	ED/RV
00634 3 00020 00	DE	00	A0

CLASIFICACIÓN *CLASSIFICATION*	Nº CONTRATO *CONTR. NUM*

ESCALA *SCALE*	FORMATO *SIZE*	HOJA *SHEET*
1 / 2	A3	1 / 1

FRM-A3-H1-INDRA.DWG
09-06-08

4.2.7 SUBRACK 1 MOTHER BOARD

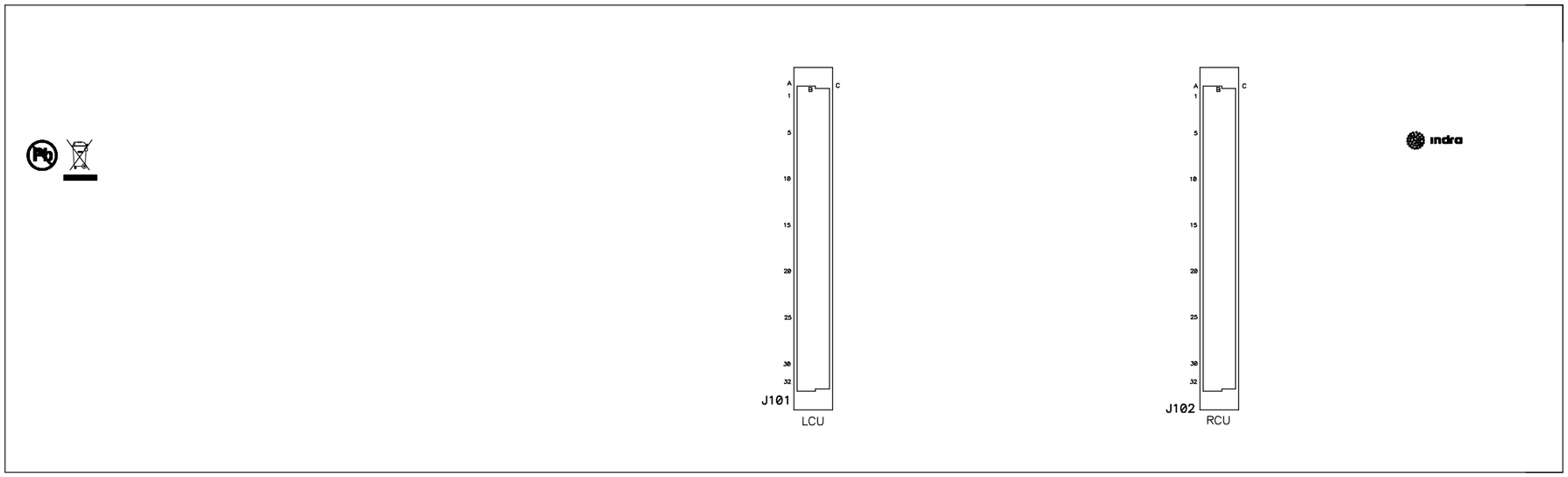
Subrack 1 Mother Board SCHEMATICS - [0063430003000EQ00]

Subrack 1 Mother Board COMPONENT LAYOUT - [00634300003000SC00]

(4 pages attached)

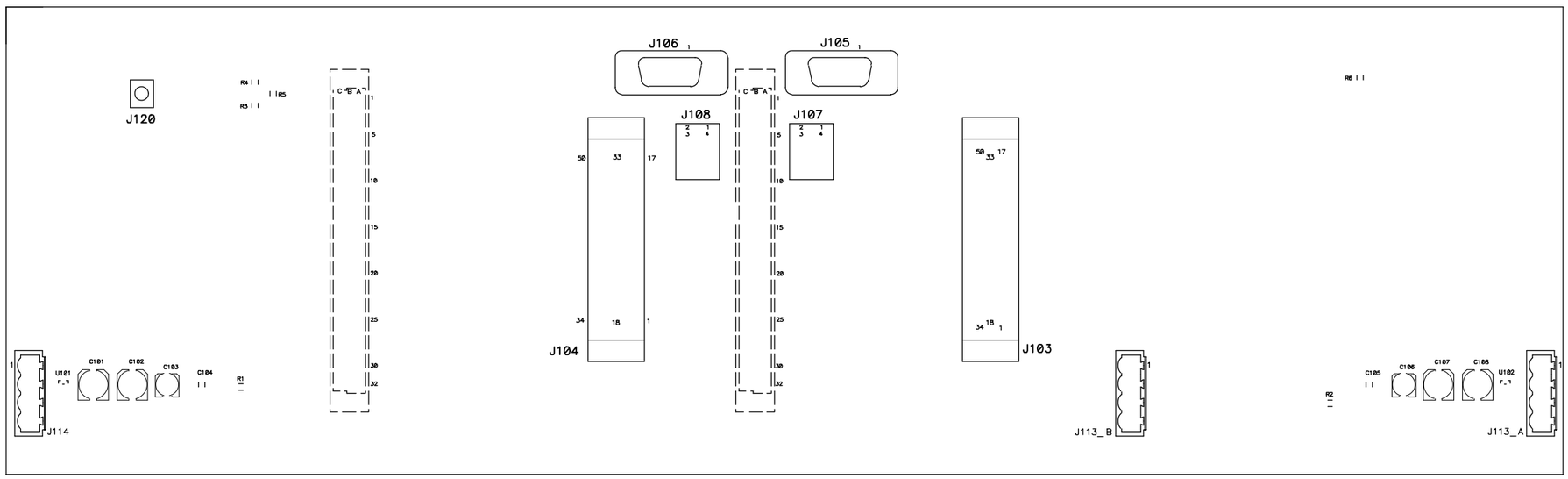
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ED/RV	MODIFICACION MODIFICATION	DIBUJA DRAWN	FECHA DATE	ZONA ZONE
A1	PRIMERA EDICION	INYDEL algutierrez	08/04/10	



INDRA581 08/04/10
INDRA 0063470003001

Indra	DRAWING No.	TYPE	ORD.	SHEET	REV	DRAWN	DATE
CAGE CODE 0177B		PM	00	SILKSCREEN 1	A1	INYDEL	



ED/RV DE HOJAS ED/RV OF SHEETS					
18		12		6	
17		11		5	
16		10		4	
15		9		3	
14		8		2	
13		7		1	A1

TOLERANCIAS GENERALES S/NORMA
GENERAL TOLERANCES P/NORME
ISO 2768 m-k

ARISTAS MATADAS CON R.=0,3
O CHAFLANES DE 0,3X45°
BREAK ALL SHARP EDGES WITH R.=0,3
O CHAMFER OF 0,3X45°

LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD
CAD MAINTENANCE

MODEL:

CAD:

MATERIAL MATERIAL

RUG. SUP.
ROUGHNESS

TRATAMIENTO TREATMENT

ACABADO FINISH

	PREP. PREP	REV. CHECK	APROB. APVD	AUTO. AUTH
NOMBRE NAME	INYDEL algutierrez	rpcuesta	jblazquez	jbpramos
FECHA DATE	08/04/10	08/04/10	08/04/10	08/04/10

indra
INDRA SISTEMAS S.A.
CAGE CODE 0177B / 0178B

DENOMINACION TITLE
SUBRACK 1 MOTHER BOARD

Nº DE PLANO DRAWING Nº	TIPO TYPE	ORD.	ED/RV
00634 3 00030 00	SC	00	A1

CLASIFICACION	CLASSIFICATION	N CONTRATO	CONTR. NUM.

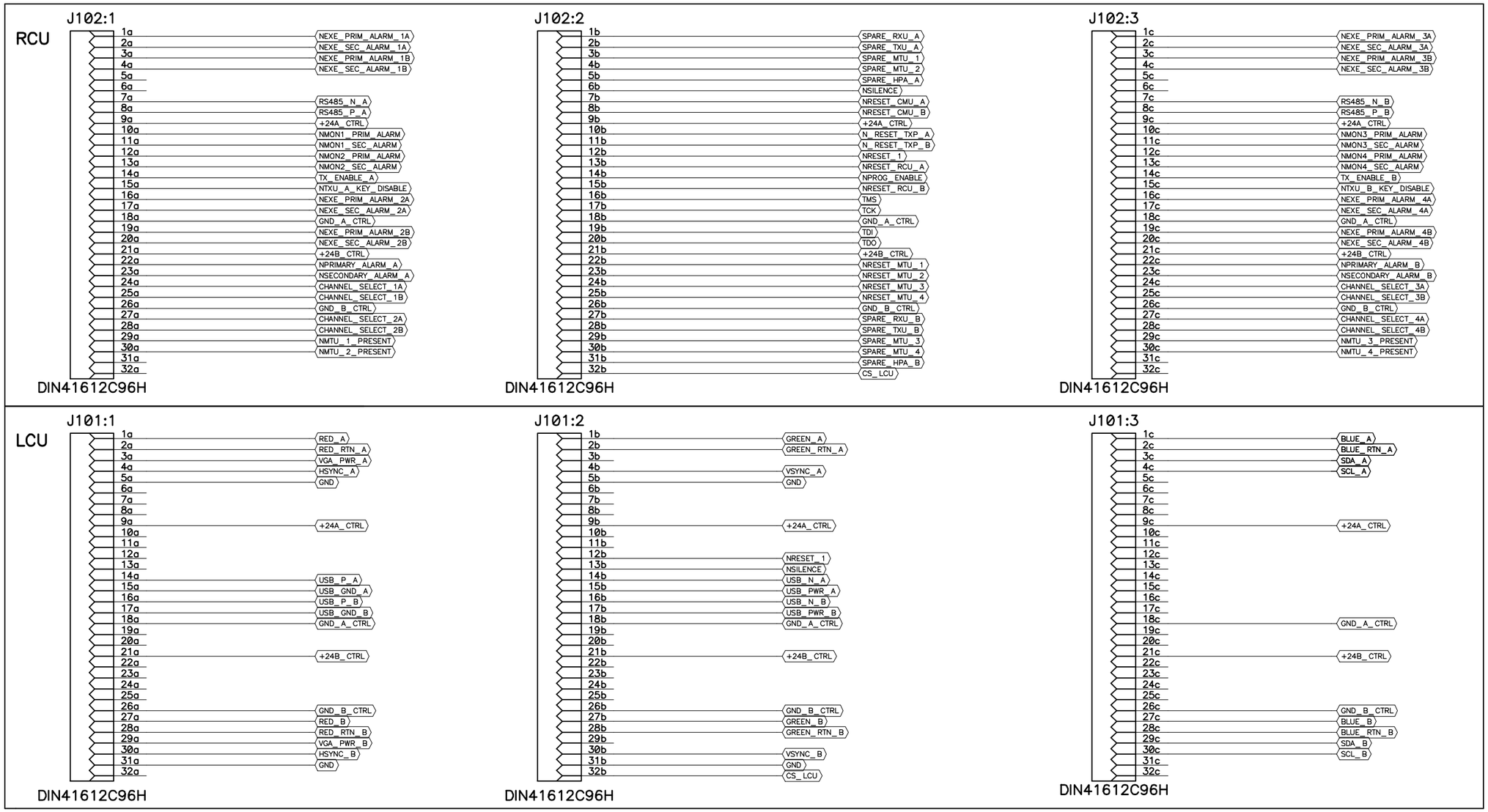
ESCALA SCALE 1/1 | FORMATO SIZE A3 | HOJA SHEET 1/2

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ED/RV	MODIFICACION MODIFICATION	DIBUJA DRAWN	FECHA DATE	ZONA ZONE
A1	PRIMERA EDICION	INYDEL algutierrez	08/04/10	



ED/RV DE HOJAS ED/RV OF SHEETS					
18		12		6	
17		11		5	
16		10		4	
15		9		3	A1
14		8		2	A1
13		7		1	A1

TOLERANCIAS GENERALES S/NORMA
GENERAL TOLERANCES P/NORME
ISO 2768-mK

ARISTAS MATADAS CON R.=0,3
O CHAFLANES DE 0,3x45°
BREAK ALL SHARP EDGES WITH R.=0.3
OR CHAMFER OF 0,3x45°

LOS CAMBIOS REALIZADOS
SOLO LO SERAN EN CAD
CAD MAINTENANCE

MODEL:

CAD:

MATERIAL MATERIAL

TRATAMIENTO TREATMENT

ACABADO FINISH

RUG.SUP.
ROUGHNESS

indra

INDRA SISTEMAS S.A.

CAGE CODE 0177B / 0178B

	NOMBRE NAME	FECHA DATE
PREP. PREP	INYDEL algutierrez	08/04/10
REV. CHECK	rpcuesta	08/04/10
APROB. APVD	jblazquez	08/04/10
AUTO. AUTH	jbpramas	08/04/10

DENOMINACION TITLE

SUBRACK 1 MOTHER BOARD

Nº DE PLANO DRAWING NUM	TIPO TYPE	ORD.	ED/RV
00634 3 00030 00	EQ	00	A1

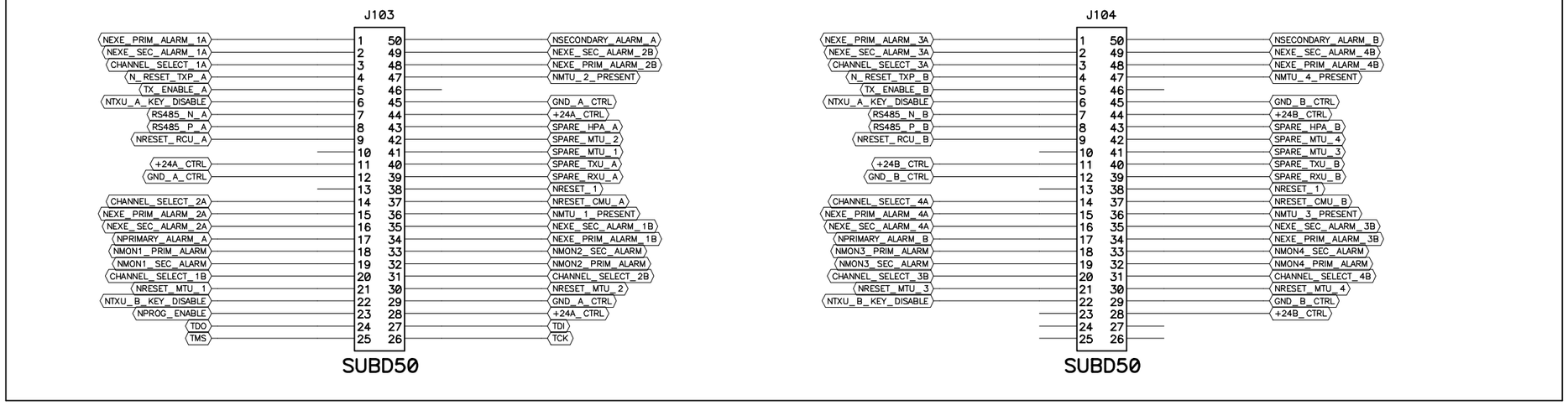
CLASIFICACION	CLASSIFICATION	Nº CONTRATO	CONTR. NUM

ESCALA SCALE	FORMATO SIZE	HOJA SHEET
	A3	1/ 3

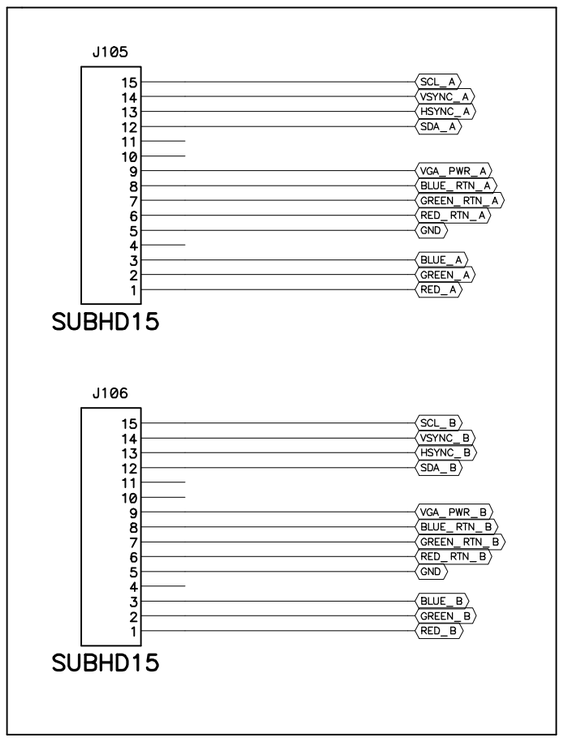
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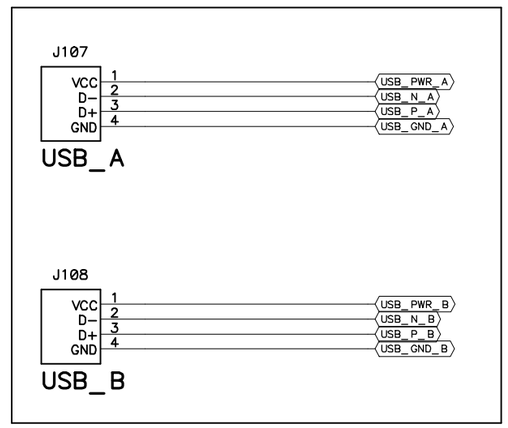
SUBD–50



SUBHD–15 VGA



USB

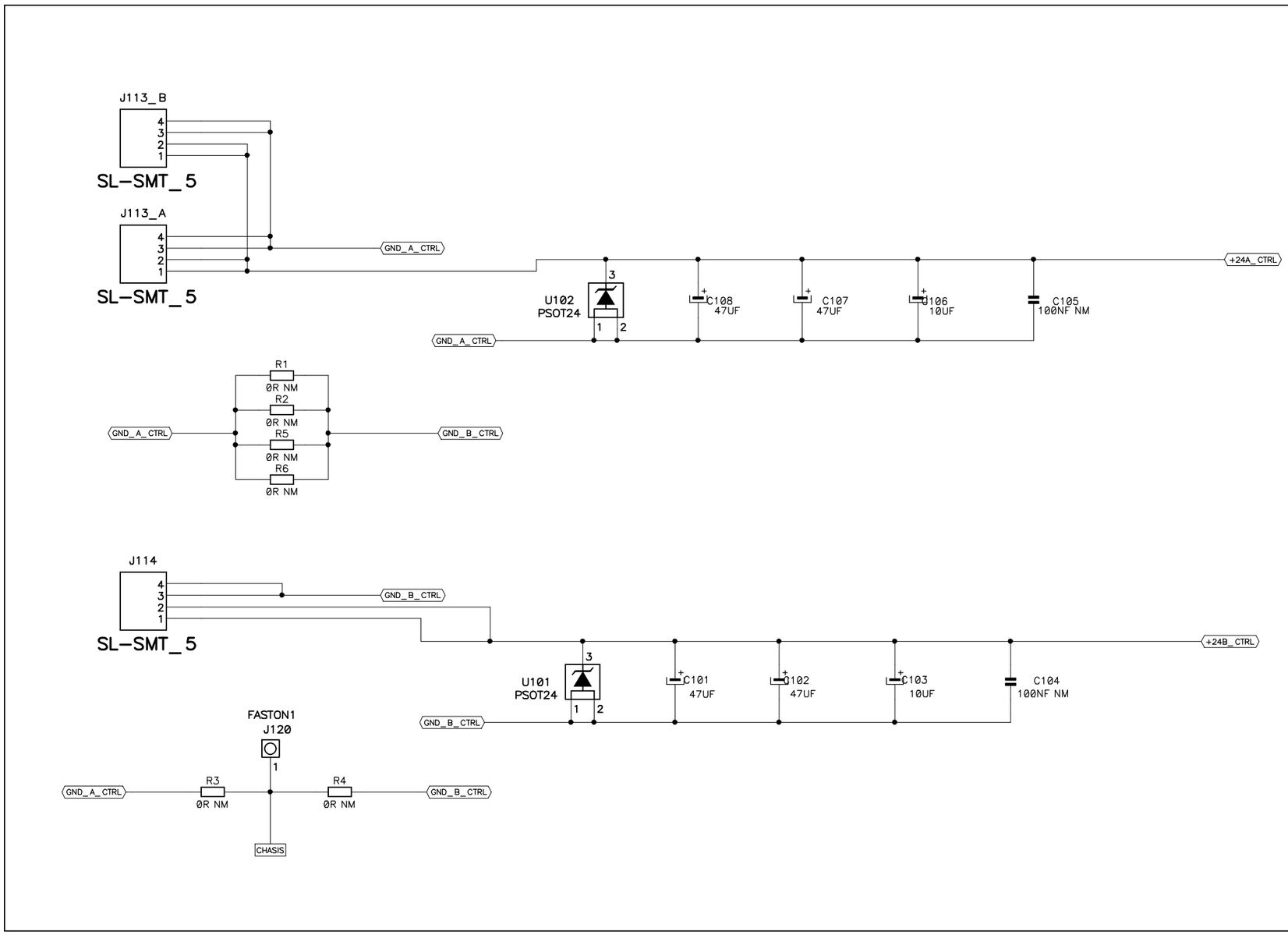


indra	N° DE PLANO DRAWING NUM: 00634 3 00030 00		TIPO TYPE: EQ	ORD.: 00	ED/RV: A1
	CLASIFICACION	CLASSIFICATION	N CONTRATO	CONTR. NUM	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA SCALE	FORMATO SIZE: A3	HOJA SHEET: 2/3		

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PWR



indra	Nº DE PLANO DRAWING NUM: 00634 3 00030 00		TIPO TYPE: EQ	ORD.: 00	ED/RV: A1
	CLASIFICACION	CLASSIFICATION	N CONTRATO	CONTR. NUM	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA SCALE	FORMATO SIZE: A3	HOJA SHEET: 3/3		

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4.2.8 SUBRACK 2 MOTHER BOARD

Backplane 2 Mother Board Right SCHEMATICS - [0063430005700EQ00]

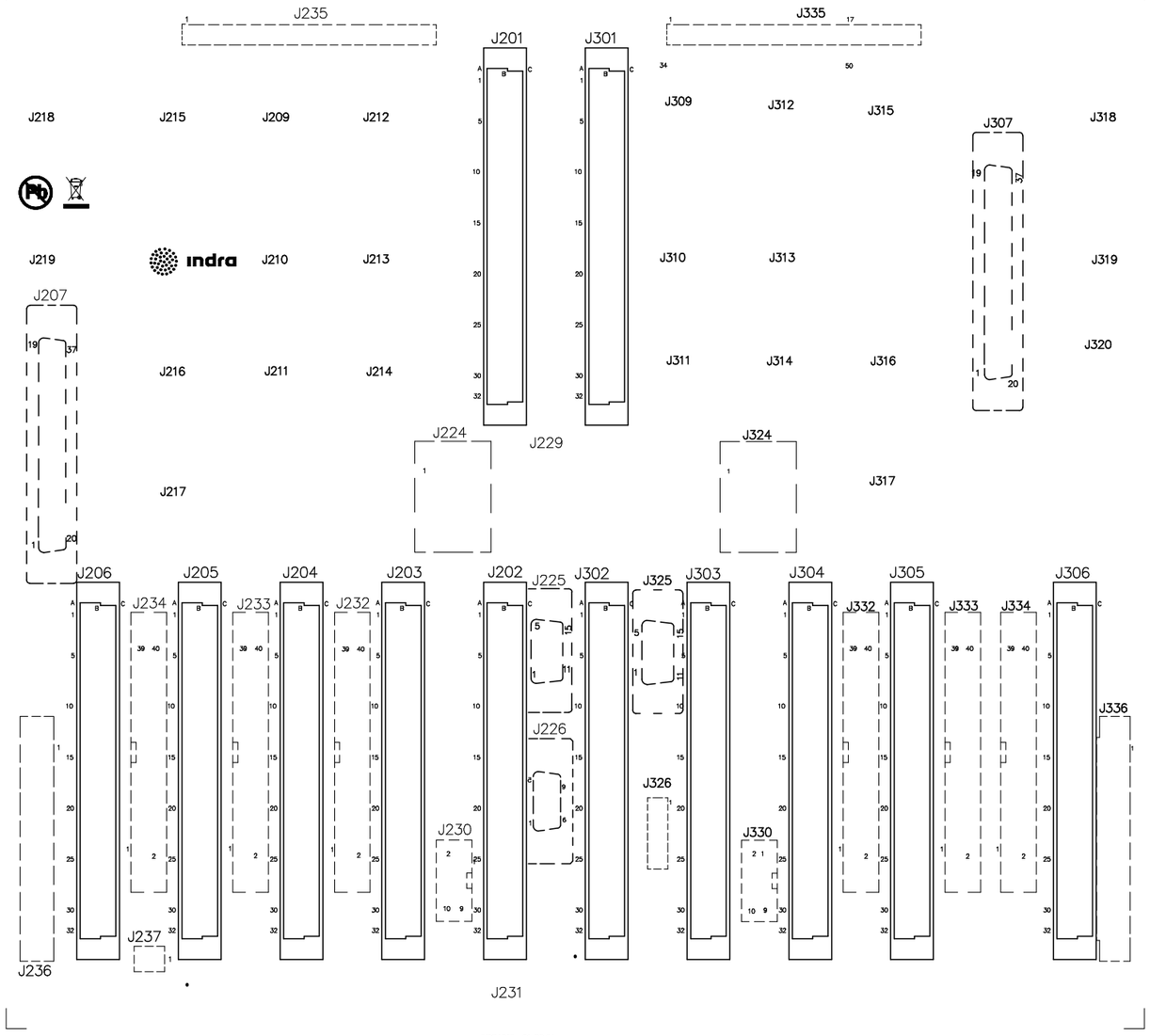
Backplane 2 Mother Board COMPONENT LAYOUT - [0063430005700SC00]

(17 pages attached)

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ED./RV	MODIFICACION / MODIFICATION	DIBUJA / DRAWN	FECHA / DATE	ZONA / ZONE
A0	PRIMERA EDICION	INYDEL algutierrez	01/09/11	
A1	REVISIÓN / REVIEW - PCI Nº. 0063420001009PC01	INYDEL algutierrez	23/05/12	
A2	REVISIÓN / REVIEW - PCI Nº. 0063420001009PC04	INYDEL algutierrez	13/09/12	
A3	REVISIÓN / REVIEW - PCI Nº. 0063420001007PC01	INYDEL algutierrez	06/03/13	



INDRA665 01/09/11
0063470005700

Indra	DRAWING No.	TYPE	ORD.	SHEET	REV	DRAWN	DATE
cage code 0177B	0063470005700	PM	00	SILKSCREEN 1	A0	INYDEL	01-09-11

ED/RV DE HOJAS / ED/RV OF SHEETS					
18		12		6	A3
17		11		5	A3
16		10		4	A3
15		9		3	A3
14		8		2	A3
13		7		1	A3

TOLERANCIAS GENERALES S/NORMA / GENERAL TOLERANCES P./NORME
ISO 2768 m-k

ARISTAS MATADAS CON R.=0,3 O CHAFLANES DE 0,3X45 °
BREAK ALL SHARP EDGES WITH R.=0,3 O CHAMFER OF 0,3X45 °

LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD
CAD MAINTENANCE

MODEL:
CAD:

MATERIAL / MATERIAL

TRATAMIENTO / TREATMENT

ACABADO / FINISH

RUG. SUP. / ROUGHNESS

	PREP. / PREP	REV. / CHECK	APROB. / APVD	AUTO. / AUTH
NOMBRE / NAME	INYDEL algutierrez	jlsbuendia	jblazquez	pbravo
FECHA / DATE	06/03/13	06/03/13	06/03/13	06/03/13

indra
INDRA SISTEMAS S.A.
CAGE CODE 0177B / 0178B

DENOMINACION / TITLE
SUBRACK 2 MOTHER BOARD

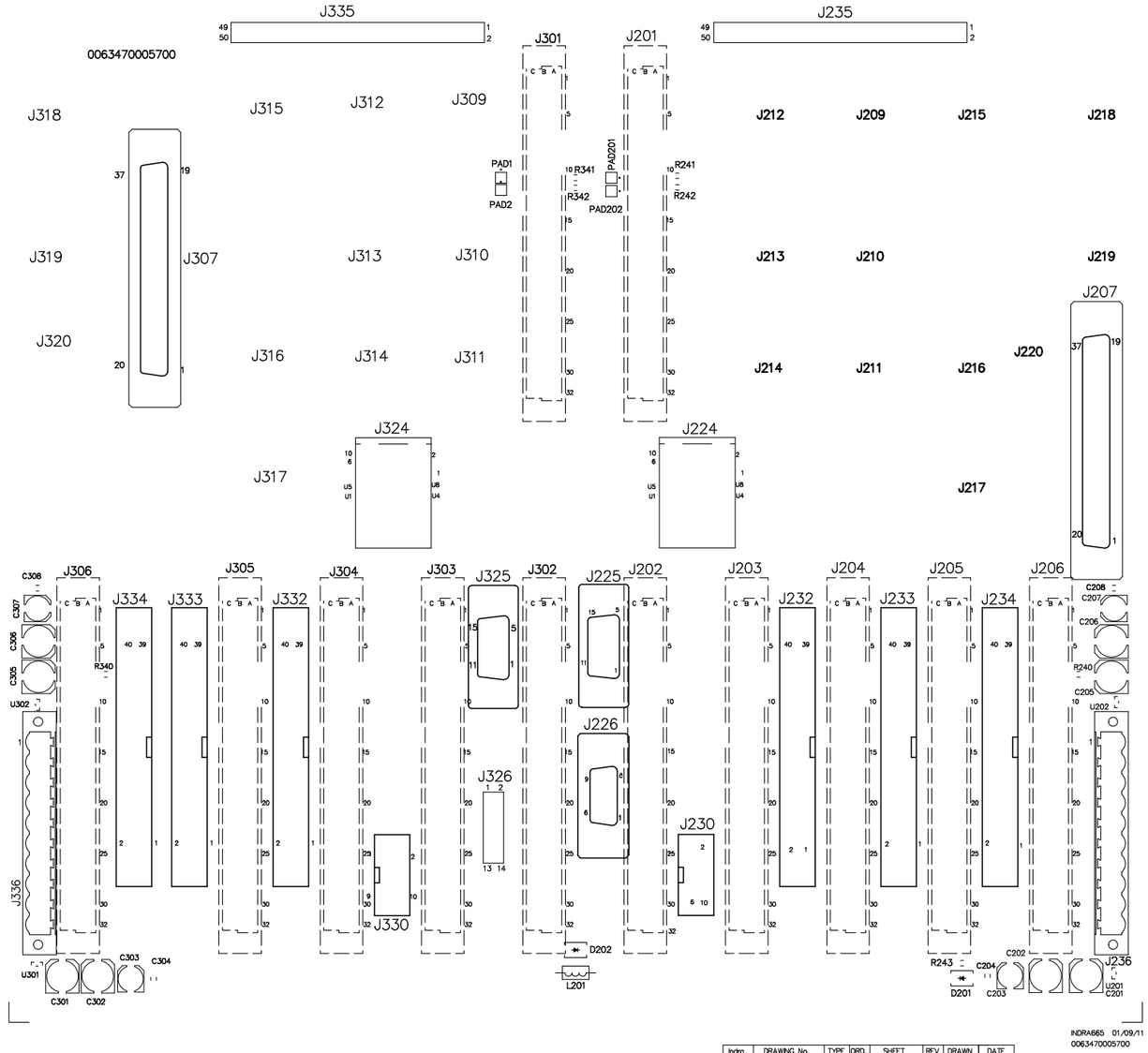
Nº DE PLANO / DRAWING N °	TIPO / TYPE	ORD.	ED/RV
00634 3 0005700	SC	00	A3

CLASIFICACION	CLASSIFICATION	N CONTRATO	CONTR. NUM.

ESCALA / SCALE	FORMATO / SIZE	HOJA / SHEET
1/1	A2	1 / 6

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Indra CAGE CODE 0177B	DRAWING No.	TYPE	ORD.	SHEET	REV	DRAWN	DATE
	0063470005700	PM	00	SUNSCREEN 2	A0	INDEL	01-09-11

indra	N° DE PLANO DRAWING N° 00634 3 0005700	TIPO TYPE SC	ORD. 00	ED/RV A3
	CLASIFICACION / CLASSIFICATION / N CONTRATO / CONTR. NUM.			
INDRA SISTEMAS S.A.				
CAGE CODE 0177B / 0178B	ESCALA SCALE 1/1	FORMATO SIZE A2	HOJA SHEET 2 / 6	

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ED/RV	MODIFICACION MODIFICATION	DIBUJA DRAWN	FECHA DATE	ZONA ZONE
A0	PRIMERA EDICION	INYDEL algutierrez	05/01/10	

HOJA SHEET	CONTENIDO CONTENTS	
1	INDICE	
2	CNC DIN41612 : TXU / RXU	A
3	CNC DIN41612 : MTU A / MTU B	A
4	CNC DIN41612 : CMU SU/CMU IN	A
5	CNC SUBD50, 37,9 Y 15	A
6	HEADERS 2x20 , 2x5	A
7	CNC ETHERNET Y USB	A
8	ALIMENTACION	A
9	CNC DIN41612 : TXU / RXU	B
10	CNC DIN41612 : MTU A / MTU B	B
11	CNC DIN41612 : CMU SU/CMU IN	B
12	CNC SUBD50, 37,9 Y 15	B
13	HEADERS 2x20 , 2x5	B
14	CNC ETHERNET Y USB	B
15	ALIMENTACION	B

ED/RV DE HOJAS
ED/RV OF SHEETS

21		14	A0	7	A0
20		13	A0	6	A0
19		12	A0	5	A0
18		11	A0	4	A0
17		10	A0	3	A0
16		9	A0	2	A0
15	A0	8	A0	1	A0

TOLERANCIAS GENERALES S/NORMA
GENERAL TOLERANCES P/NORME
ISO 2768-mK

ARISTAS MATADAS CON R.-0,3 O CHAFLANES DE 0,3x45°
BREAK ALL SHARP EDGES WITH R.-0.3 OR CHAMFER OF 0,3x45°

LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD
CAD MAINTENANCE

MODEL:

CAD:

MATERIAL MATERIAL

TRATAMIENTO TREATMENT

ACABADO FINISH

RUG.SUP.
ROUGHNESS

	PREP. PREP	REV. CHECK	APROB. APVD	AUTO. AUTH
NOMBRE NAME	INYDEL algutierrez	rpcuesta	jblazquez	jbpramas
FECHA DATE	01/09/11	01/09/11	01/09/11	01/09/11

INDRA SISTEMAS S.A.
CAGE CODE 0177B / 0178B

DENOMINACION TITLE
SUBRACK 2 MOTHER BOARD

N° DE PLANO DRAWING NUM	TIPO TYPE	ORD.	ED/RV
00634 3 00057 00	EQ	00	A0

CLASIFICACION	CLASSIFICATION	N° CONTRATO	CONTR. NUM

ESCALA SCALE	FORMATO SIZE	HOJA SHEET
	A3	1 / 15

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TXU

J206A

A1	+24V_RF_a
A2	+24V_RF_a
A3	+24V_RF_a
A4	GND_RF_a
A5	GND_RF_a
A6	GND_RF_a
A7	RS485_N_a
A8	RS485_P_a
A9	+24V_CTRL_a
A10	VIDEO_DATA_a
A11	VIDEO_CLK_a
A12	VIDEO_ENABLE_a
A13	NRESET_1_a
A14	SPARE_TXU_A_a
A15	
A16	
A17	
A18	GND_CTRL
A19	
A20	DET_INT_a
A21	+24V_CTRL_a
A22	NHPA_PRESENT_a
A23	SPARE_TACAN_1_a
A24	SPARE_TACAN_2_a
A25	SPARE_TACAN_3_a
A26	GND_CTRL
A27	+24V_RF_a
A28	+24V_RF_a
A29	+24V_RF_a
A30	GND_RF_a
A31	GND_RF_a
A32	GND_RF_a

DIN41612

J206B

B1	+24V_RF_a
B2	+24V_RF_a
B3	+24V_RF_a
B4	GND_RF_a
B5	GND_RF_a
B6	GND_RF_a
B7	NMODULE_PRESENT_a
B8	GND_CTRL
B9	+24V_CTRL_a
B10	TX_ENABLE_a
B11	NPRIMARY_ALARM_a
B12	NSECONDARY_ALARM_a
B13	NRESET_TXP_a
B14	NPROG_ENABLE2_a
B15	
B16	JTAG_TMS_a
B17	JTAG_TCK_a
B18	GND_CTRL
B19	JTAG_TDI_a
B20	JTAG_TDO_a
B21	+24V_CTRL_a
B22	TX_GATE_a
B23	HPA_CONTROL_1_a
B24	HPA_CONTROL_2_a
B25	NTXU_A_KEY_DISABLE_a
B26	GND_CTRL
B27	+24V_RF_a
B28	+24V_RF_a
B29	+24V_RF_a
B30	GND_RF_a
B31	GND_RF_a
B32	GND_RF_a

R240
0R NM

GND_CTRL

DIN41612

J206C

C1	+24V_RF_a
C2	+24V_RF_a
C3	+24V_RF_a
C4	GND_RF_a
C5	GND_RF_a
C6	GND_RF_a
C7	KEY_IN2-_a
C8	KEY_IN2+_a
C9	+24V_CTRL_a
C10	KEY_OUT1-_a
C11	KEY_OUT1+_a
C12	KEY_IN_BYPASS-_a
C13	KEY_IN_BYPASS+_a
C14	KEY_IN1-_a
C15	KEY_IN1+_a
C16	KEY_OUT2-_a
C17	KEY_OUT2+_a
C18	GND_CTRL
C19	INTERLOCK_ILS1+_a
C20	INTERLOCK_ILS1-_a
C21	+24V_CTRL_a
C22	INTERLOCK_ILS2+_a
C23	INTERLOCK_ILS2-_a
C24	
C25	
C26	GND_CTRL
C27	+24V_RF_a
C28	+24V_RF_a
C29	+24V_RF_a
C30	GND_RF_a
C31	GND_RF_a
C32	GND_RF_a

DIN41612

RXU

J205A

A1	+24V_RF_a
A2	+24V_RF_a
A3	+24V_RF_a
A4	GND_RF_a
A5	GND_RF_a
A6	GND_RF_a
A7	RS485_N_a
A8	RS485_P_a
A9	+24V_CTRL_a
A10	OL_A_SAMPLE_1+
A11	OL_A_SAMPLE_1-
A12	
A13	NRESET_1_a
A14	SPARE_RXU_A_a
A15	
A16	
A17	ES_INHIBIT_A
A18	GND_CTRL
A19	
A20	DET_INT_a
A21	+24V_CTRL_a
A22	
A23	
A24	OL_A_SAMPLE_2+
A25	OL_A_SAMPLE_2-
A26	GND_CTRL
A27	+24V_RF_a
A28	+24V_RF_a
A29	+24V_RF_a
A30	GND_RF_a
A31	GND_RF_a
A32	GND_RF_a

DIN41612

J205B

B1	+24V_RF_a
B2	+24V_RF_a
B3	+24V_RF_a
B4	GND_RF_a
B5	GND_RF_a
B6	GND_RF_a
B7	NMODULE_PRESENT_a
B8	GND_CTRL
B9	+24V_CTRL_a
B10	TX_ENABLE_a
B11	NPRIMARY_ALARM_a
B12	NSECONDARY_ALARM_a
B13	NRESET_TXP_a
B14	NPROG_ENABLE3_a
B15	
B16	JTAG_TMS_a
B17	JTAG_TCK_a
B18	GND_CTRL
B19	JTAG_TDI_a
B20	JTAG_TDO_a
B21	+24V_CTRL_a
B22	TX_GATE_a
B23	
B24	
B25	
B26	GND_CTRL
B27	+24V_RF_a
B28	+24V_RF_a
B29	+24V_RF_a
B30	GND_RF_a
B31	GND_RF_a
B32	GND_RF_a

DIN41612

J205C

C1	+24V_RF_a
C2	+24V_RF_a
C3	+24V_RF_a
C4	GND_RF_a
C5	GND_RF_a
C6	GND_RF_a
C7	
C8	
C9	+24V_CTRL_a
C10	OL_A_SAMPLE_3+
C11	OL_A_SAMPLE_3-
C12	
C13	
C14	
C15	
C16	
C17	
C18	GND_CTRL
C19	
C20	
C21	+24V_CTRL_a
C22	
C23	
C24	OL_A_SAMPLE_4+
C25	OL_A_SAMPLE_4-
C26	GND_CTRL
C27	+24V_RF_a
C28	+24V_RF_a
C29	+24V_RF_a
C30	GND_RF_a
C31	GND_RF_a
C32	GND_RF_a

DIN41612

indra

INDRA SISTEMAS S.A.

CAGE CODE 0177B / 0178B

N º DE PLANO / DRAWING NUM	TIPO / TYPE	ORD.	ED/RV
00634 3 00057 00	EQ	00	A0

CLASIFICACION	CLASSIFICATION	N CONTRATO	CONTR. NUM

ESCALA / SCALE	FORMATO / SIZE	HOJA / SHEET
	A3	2 / 15

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TXU

J306A

A1	+24V_CTRL_b
A2	+24V_RF_b
A3	+24V_RF_b
A4	GND_RF_b
A5	GND_RF_b
A6	GND_RF_b
A7	RS485_N_b
A8	RS485_P_b
A9	+24V_CTRL_b
A10	VIDEO_DATA_b
A11	VIDEO_CLK_b
A12	VIDEO_ENABLE_b
A13	NRESET_1_b
A14	SPARE_TXU_A_b
A15	
A16	
A17	
A18	GND_CTRL
A19	
A20	DET_INT_b
A21	+24V_CTRL_b
A22	NHPA_PRESENT_b
A23	SPARE_TACAN_1_b
A24	SPARE_TACAN_2_b
A25	SPARE_TACAN_3_b
A26	GND_CTRL
A27	+24V_RF_b
A28	+24V_RF_b
A29	+24V_RF_b
A30	GND_RF_b
A31	GND_RF_b
A32	GND_RF_b

J306B

B1	+24V_RF_b
B2	+24V_RF_b
B3	+24V_RF_b
B4	GND_RF_b
B5	GND_RF_b
B6	GND_RF_b
B7	NMODULE_PRESENT_b
B8	
B9	+24V_CTRL_b
B10	TX_ENABLE_b
B11	NPRIMARY_ALARM_b
B12	NSECONDARY_ALARM_b
B13	NRESET_TXP_b
B14	NPROG_ENABLE2_b
B15	
B16	JTAG_TMS_b
B17	JTAG_TCK_b
B18	GND_CTRL
B19	JTAG_TDI_b
B20	JTAG_TDO_b
B21	+24V_CTRL_b
B22	TX_GATE_b
B23	HPA_CONTROL_1_b
B24	HPA_CONTROL_2_b
B25	NTXU_B_KEY_DISABLE_b
B26	GND_CTRL
B27	+24V_RF_b
B28	+24V_RF_b
B29	+24V_RF_b
B30	GND_RF_b
B31	GND_RF_b
B32	GND_RF_b

R340
0 NM

J306C

C1	+24V_RF_b
C2	+24V_RF_b
C3	+24V_RF_b
C4	GND_RF_b
C5	GND_RF_b
C6	GND_RF_b
C7	KEY_IN2-_b
C8	KEY_IN2+_b
C9	+24V_CTRL_b
C10	KEY_OUT1-_b
C11	KEY_OUT1+_b
C12	KEY_IN_BYPASS-_b
C13	KEY_IN_BYPASS+_b
C14	KEY_IN1-_b
C15	KEY_IN1+_b
C16	KEY_OUT2-_b
C17	KEY_OUT2+_b
C18	GND_CTRL
C19	INTERLOCK_ILS1+_b
C20	INTERLOCK_ILS1-_b
C21	+24V_CTRL_b
C22	INTERLOCK_ILS2+_b
C23	INTERLOCK_ILS2-_b
C24	
C25	
C26	GND_CTRL
C27	+24V_RF_b
C28	+24V_RF_b
C29	+24V_RF_b
C30	GND_RF_b
C31	GND_RF_b
C32	GND_RF_b

RXU

J305A

A1	+24V_RF_b
A2	+24V_RF_b
A3	+24V_RF_b
A4	GND_RF_b
A5	GND_RF_b
A6	GND_RF_b
A7	RS485_N_b
A8	RS485_P_b
A9	+24V_CTRL_b
A10	OL_B_SAMPLE_1+
A11	OL_B_SAMPLE_1-
A12	
A13	NRESET_1_b
A14	SPARE_RXU_A_b
A15	
A16	
A17	ES_INHIBIT_B
A18	GND_CTRL
A19	
A20	DET_INT_b
A21	+24V_CTRL_b
A22	
A23	
A24	OL_B_SAMPLE_2+
A25	OL_B_SAMPLE_2-
A26	GND_CTRL
A27	+24V_RF_b
A28	+24V_RF_b
A29	+24V_RF_b
A30	GND_RF_b
A31	GND_RF_b
A32	GND_RF_b

J305B

B1	+24V_RF_b
B2	+24V_RF_b
B3	+24V_RF_b
B4	GND_RF_b
B5	GND_RF_b
B6	GND_RF_b
B7	NMODULE_PRESENT_b
B8	
B9	+24V_CTRL_b
B10	TX_ENABLE_b
B11	NPRIMARY_ALARM_b
B12	NSECONDARY_ALARM_b
B13	NRESET_TXP_b
B14	NPROG_ENABLE3_b
B15	
B16	JTAG_TMS_b
B17	JTAG_TCK_b
B18	GND_CTRL
B19	JTAG_TDI_b
B20	JTAG_TDO_b
B21	+24V_CTRL_b
B22	TX_GATE_b
B23	
B24	
B25	
B26	GND_CTRL
B27	+24V_RF_b
B28	+24V_RF_b
B29	+24V_RF_b
B30	GND_RF_b
B31	GND_RF_b
B32	GND_RF_b

J305C

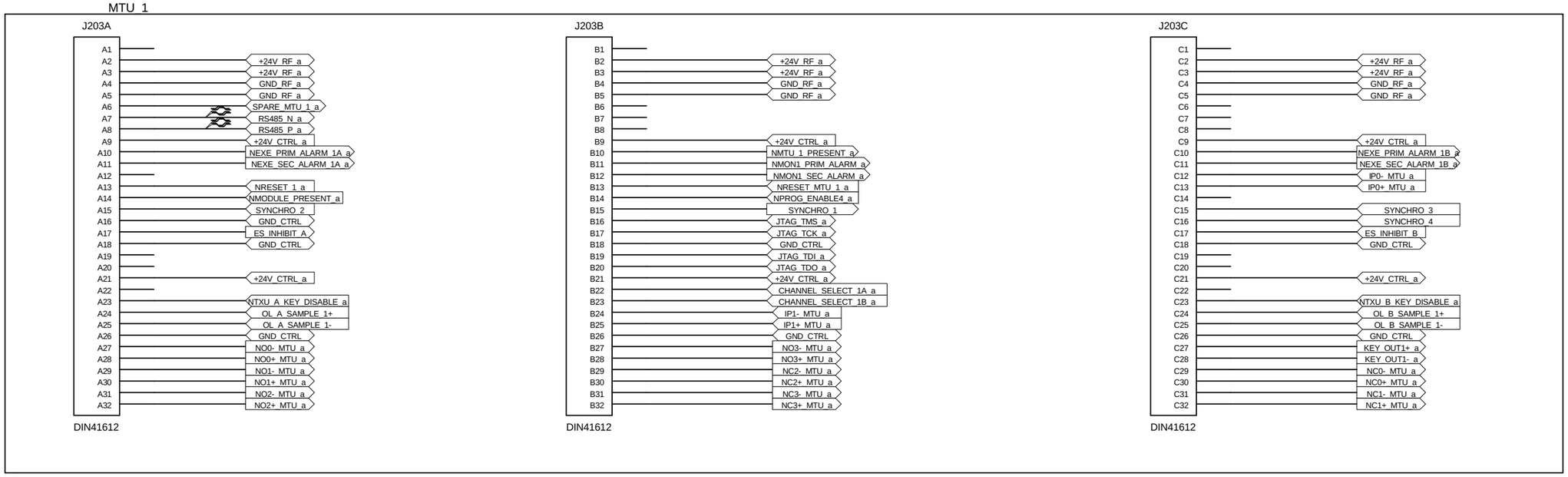
C1	+24V_RF_b
C2	+24V_RF_b
C3	+24V_RF_b
C4	GND_RF_b
C5	GND_RF_b
C6	GND_RF_b
C7	
C8	
C9	+24V_CTRL_b
C10	OL_B_SAMPLE_3+
C11	OL_B_SAMPLE_3-
C12	
C13	
C14	
C15	
C16	
C17	
C18	GND_CTRL
C19	
C20	
C21	+24V_CTRL_b
C22	
C23	
C24	OL_B_SAMPLE_4+
C25	OL_B_SAMPLE_4-
C26	GND_CTRL
C27	+24V_RF_b
C28	+24V_RF_b
C29	+24V_RF_b
C30	GND_RF_b
C31	GND_RF_b
C32	GND_RF_b

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	CLASIFICACION / CLASSIFICATION		N CONTRATO	CONTR. NUM
INDRA SISTEMAS S.A.				
CAGE CODE 0177B / 0178B	ESCALA / SCALE	FORMATO / SIZE: A3	HOJA / SHEET: 3 / 15	

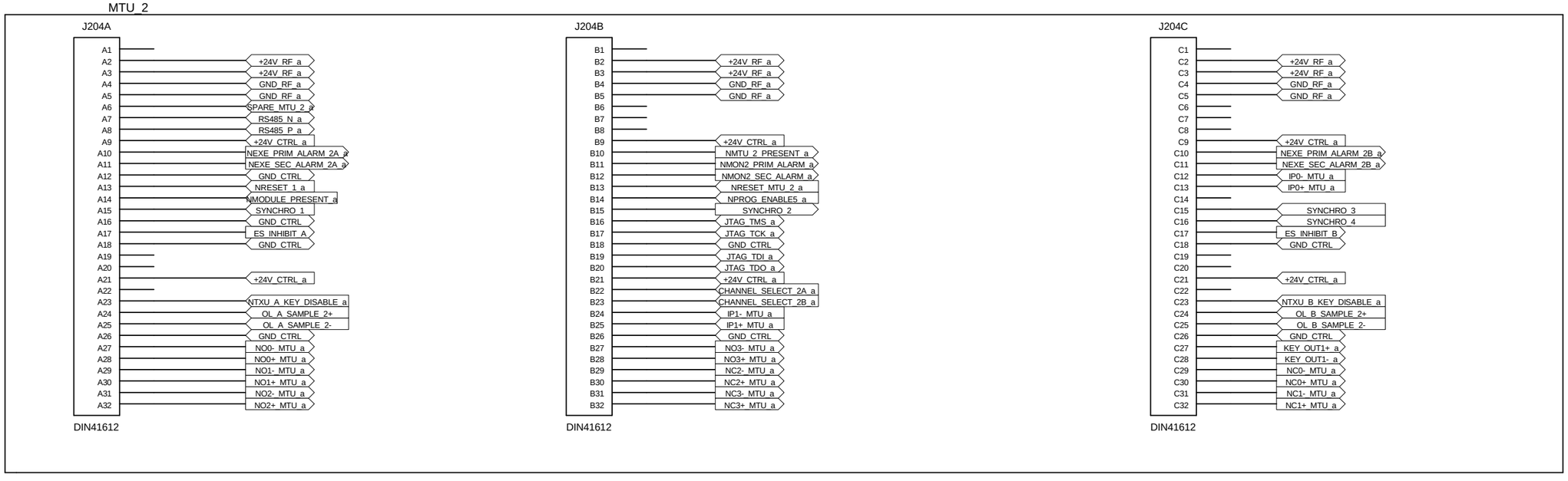
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MTU_1



MTU_2



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	CLASIFICACION / CLASSIFICATION		N CONTRATO	CONTR. NUM
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CAGE CODE 0177B / 0178B	ESCALA / SCALE	FORMATO / SIZE: A3	HOJA / SHEET: 4 / 15	

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MTU_3

J303A

A1	
A2	+24V_RF_b
A3	+24V_RF_b
A4	GND_RF_b
A5	GND_RF_b
A6	SPARE_MTU_1_b
A7	RS485_N_b
A8	RS485_P_b
A9	+24V_CTRL_b
A10	NEXE_PRIM_ALARM_3A_b
A11	NEXE_SEC_ALARM_3A_b
A12	
A13	NRESET_1_b
A14	NMODULE_PRESENT_b
A15	SYNCHRO_1
A16	
A17	ES_INHIBIT_A
A18	GND_CTRL
A19	
A20	
A21	+24V_CTRL_b
A22	
A23	NTXU_A_KEY_DISABLE_b
A24	OL_A_SAMPLE_3+
A25	OL_A_SAMPLE_3-
A26	GND_CTRL
A27	NO0-_MTU_b
A28	NO0+_MTU_b
A29	NO1-_MTU_b
A30	NO1+_MTU_b
A31	NO2-_MTU_b
A32	NO2+_MTU_b

J303B

B1	
B2	+24V_RF_b
B3	+24V_RF_b
B4	GND_RF_b
B5	GND_RF_b
B6	
B7	
B8	
B9	+24V_CTRL_b
B10	NMTU_3_PRESENT_b
B11	NMON3_PRIM_ALARM_b
B12	NMON3_SEC_ALARM_b
B13	NRESET_MTU_3_b
B14	NPROG_ENABLE4_b
B15	SYNCHRO_3
B16	JTAG_TMS_b
B17	JTAG_TCK_b
B18	GND_CTRL
B19	JTAG_TDI_b
B20	JTAG_TDO_b
B21	+24V_CTRL_b
B22	CHANNEL_SELECT_3A_b
B23	CHANNEL_SELECT_3B_b
B24	IP1-_MTU_b
B25	IP1+_MTU_b
B26	GND_CTRL
B27	NO3-_MTU_b
B28	NO3+_MTU_b
B29	NC2-_MTU_b
B30	NC2+_MTU_b
B31	NC3-_MTU_b
B32	NC3+_MTU_b

J303C

C1	
C2	+24V_RF_b
C3	+24V_RF_b
C4	GND_RF_b
C5	GND_RF_b
C6	
C7	
C8	
C9	+24V_CTRL_b
C10	NEXE_PRIM_ALARM_3B_b
C11	NEXE_SEC_ALARM_3B_b
C12	IP0-_MTU_b
C13	IP0+_MTU_b
C14	
C15	SYNCHRO_2
C16	SYNCHRO_4
C17	ES_INHIBIT_B
C18	GND_CTRL
C19	
C20	
C21	+24V_CTRL_b
C22	
C23	NTXU_B_KEY_DISABLE_b
C24	OL_B_SAMPLE_3+
C25	OL_B_SAMPLE_3-
C26	GND_CTRL
C27	KEY_OUT1+_b
C28	KEY_OUT1-_b
C29	NC0-_MTU_b
C30	NC0+_MTU_b
C31	NC1-_MTU_b
C32	NC1+_MTU_b

MTU_4

J304A

A1	
A2	+24V_RF_b
A3	+24V_RF_b
A4	GND_RF_b
A5	GND_RF_b
A6	SPARE_MTU_2_b
A7	RS485_N_b
A8	RS485_P_b
A9	+24V_CTRL_b
A10	NEXE_PRIM_ALARM_4A_b
A11	NEXE_SEC_ALARM_4A_b
A12	GND_CTRL
A13	NRESET_1_b
A14	NMODULE_PRESENT_b
A15	SYNCHRO_1
A16	
A17	ES_INHIBIT_A
A18	GND_CTRL
A19	
A20	
A21	+24V_CTRL_b
A22	
A23	NTXU_A_KEY_DISABLE_b
A24	OL_A_SAMPLE_4+
A25	OL_A_SAMPLE_4-
A26	GND_CTRL
A27	NO0-_MTU_b
A28	NO0+_MTU_b
A29	NO1-_MTU_b
A30	NO1+_MTU_b
A31	NO2-_MTU_b
A32	NO2+_MTU_b

J304B

B1	
B2	+24V_RF_b
B3	+24V_RF_b
B4	GND_RF_b
B5	GND_RF_b
B6	
B7	
B8	
B9	+24V_CTRL_b
B10	NMTU_4_PRESENT_b
B11	NMON4_PRIM_ALARM_b
B12	NMON4_SEC_ALARM_b
B13	NRESET_MTU_4_b
B14	NPROG_ENABLE5_b
B15	SYNCHRO_4
B16	JTAG_TMS_b
B17	JTAG_TCK_b
B18	GND_CTRL
B19	JTAG_TDI_b
B20	JTAG_TDO_b
B21	+24V_CTRL_b
B22	CHANNEL_SELECT_4A_b
B23	CHANNEL_SELECT_4B_b
B24	IP1-_MTU_b
B25	IP1+_MTU_b
B26	GND_CTRL
B27	NO3-_MTU_b
B28	NO3+_MTU_b
B29	NC2-_MTU_b
B30	NC2+_MTU_b
B31	NC3-_MTU_b
B32	NC3+_MTU_b

J304C

C1	
C2	+24V_RF_b
C3	+24V_RF_b
C4	GND_RF_b
C5	GND_RF_b
C6	
C7	
C8	
C9	+24V_CTRL_b
C10	NEXE_PRIM_ALARM_4B_b
C11	NEXE_SEC_ALARM_4B_b
C12	IP0-_MTU_b
C13	IP0+_MTU_b
C14	
C15	SYNCHRO_2
C16	SYNCHRO_3
C17	ES_INHIBIT_B
C18	GND_CTRL
C19	
C20	
C21	+24V_CTRL_b
C22	
C23	NTXU_B_KEY_DISABLE_b
C24	OL_B_SAMPLE_4+
C25	OL_B_SAMPLE_4-
C26	GND_CTRL
C27	KEY_OUT1+_b
C28	KEY_OUT1-_b
C29	NC0-_MTU_b
C30	NC0+_MTU_b
C31	NC1-_MTU_b
C32	NC1+_MTU_b

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CAGE CODE 0177B / 0178B	CLASIFICACION / CLASSIFICATION	N CONTRATO	CONTR. NUM		
	ESCALA / SCALE	FORMATO / SIZE: A3	HOJA / SHEET: 5/15		

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CMU SUPERIOR

J201A

A1	GND_CTRL
A2	GND_CTRL
A3	
A4	
A5	
A6	GND_CTRL
A7	RS485_N_a
A8	RS485_P_a
A9	+24V_COMMON
A10	
A11	
A12	
A13	NRESET_CMU_a
A14	GND_CTRL
A15	
A16	
A17	
A18	GND_CTRL
A19	
A20	
A21	+24V_COMMON
A22	
A23	RS232_RI_a
A24	RS232_DCD_a
A25	RS232_DTR_a
A26	
A27	RS232_RXD_a
A28	RS232_TXD_a
A29	RS232_DSR_a
A30	RS232_RTS_a
A31	RS232_CTS_a
A32	GND_CTRL

DIN41612

J201B

B1	GND_CTRL
B2	IP1-_a
B3	IP1+_a
B4	IP3-_a
B5	IP3+_a
B6	GND_CTRL
B7	NMODULE_PRESENT_a
B8	GND_CTRL
B9	+24V_COMMON
B10	TX_ENABLE_a
B11	NPRIMARY_ALARM_a
B12	NSECONDARY_ALARM_a
B13	NRESET_1_a
B14	NPROG_ENABLE1_a
B15	NPROG_ENABLE2_a
B16	JTAG_TMS_a
B17	JTAG_TCK_a
B18	GND_CTRL
B19	JTAG_TDO_a
B20	JTAG_TDI_a
B21	+24V_COMMON
B22	
B23	PS2_PWR_a
B24	PS2_MSDAT_a
B25	PS2_MSCLK_a
B26	GND_CTRL
B27	PS2_PWR_a
B28	PS2_KBDAT_a
B29	PS2_KBCLK_a
B30	
B31	
B32	GND_CTRL

R241 0R NM
R242 0R NM

DIN41612

J201C

C1	GND_CTRL
C2	IP0-_a
C3	IP0+_a
C4	IP2-_a
C5	IP2+_a
C6	GND_CTRL
C7	
C8	
C9	+24V_COMMON
C10	
C11	PAD201
C12	PAD202
C13	NPROG_ENABLE3_a
C14	NPROG_ENABLE4_a
C15	NPROG_ENABLE5_a
C16	JTAG_TMS_a
C17	JTAG_TCK_a
C18	GND_CTRL
C19	JTAG_TDO_a
C20	JTAG_TDI_a
C21	+24V_COMMON
C22	
C23	
C24	JTAG_PWR_a
C25	
C26	GND_CTRL
C27	I2C_PWR_a
C28	NRESET_RCU_a
C29	NPROG_ENABLE6_a
C30	
C31	
C32	GND_CTRL

DIN41612

CMU INFERIOR

J202A

A1	GND_CTRL
A2	NO1-_a
A3	NO1+_a
A4	NC1-_a
A5	NC1+_a
A6	NO2-_a
A7	NO2+_a
A8	NC2-_a
A9	NC2+_a
A10	NO3-_a
A11	NO3+_a
A12	NC3-_a
A13	NC3+_a
A14	NO4-_a
A15	NO4+_a
A16	NC4-_a
A17	NC4+_a
A18	GND_CTRL
A19	NO5-_a
A20	NO5+_a
A21	+24V_COMMON
A22	NC5-_a
A23	NC5+_a
A24	
A25	
A26	GND_CTRL
A27	VGA_VSYNC_a
A28	VGA_RED_a
A29	
A30	
A31	
A32	GND_CTRL

DIN41612

J202B

B1	GND_CTRL
B2	ETH_TX_P_a
B3	ETH_TX_CTR_a
B4	ETH_RX_P_a
B5	GND_CTRL
B6	ETH_LED_YK_a
B7	ETH_LED_GK_a
B8	USB0+_a
B9	USB0_GND_a
B10	USB1+_a
B11	USB1_GND_a
B12	
B13	
B14	
B15	
B16	
B17	
B18	GND_CTRL
B19	
B20	
B21	+24V_COMMON
B22	VGA_PWR_a
B23	
B24	GND_CTRL
B25	
B26	GND_CTRL
B27	GND_CTRL
B28	VGA_HSYNC_a
B29	
B30	
B31	
B32	GND_CTRL

DIN41612

J202C

C1	GND_CTRL
C2	ETH_TX_N_a
C3	ETH_RX_CTR_a
C4	ETH_RX_N_a
C5	GND_CTRL
C6	ETH_LED_YA_a
C7	ETH_LED_GA_a
C8	USB0-_a
C9	USB_PWR_a
C10	USB1-_a
C11	USB1_PWR_a
C12	
C13	
C14	
C15	
C16	
C17	
C18	GND_CTRL
C19	
C20	
C21	+24V_COMMON
C22	VGA_DDC_CLK_a
C23	VGA_DDC_DAT_a
C24	
C25	
C26	GND_CTRL
C27	VGA_GREEN_a
C28	VGA_BLUE_a
C29	
C30	
C31	
C32	GND_CTRL

DIN41612

indra	Nº DE PLANO / DRAWING NUM: 00634 3 00057 00		TIPO / TYPE: EQ	ORD.: 00	ED/RV: A0
	CLASIFICACION	CLASSIFICATION	N CONTRATO	CONTR. NUM	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA / SCALE	FORMATO / SIZE: A3	HOJA / SHEET: 6 / 15		

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CMU SUPERIOR

J301A

A1	GND_CTRL
A2	GND_CTRL
A3	
A4	
A5	
A6	GND_CTRL
A7	RS485_N_b
A8	RS485_P_b
A9	+24V_CTRL_b
A10	
A11	
A12	
A13	NRESET_CMU_b
A14	GND_CTRL
A15	
A16	
A17	
A18	GND_CTRL
A19	
A20	
A21	+24V_CTRL_b
A22	
A23	RS232_RI_b
A24	RS232_DCD_b
A25	RS232_DTR_b
A26	
A27	RS232_RXD_b
A28	RS232_TXD_b
A29	RS232_DSR_b
A30	RS232_RTS_b
A31	RS232_CTS_b
A32	GND_CTRL

J301B

B1	GND_CTRL
B2	IP1-_b
B3	IP1+_b
B4	IP3-_b
B5	IP3+_b
B6	GND_CTRL
B7	NMODULE_PRESENT_b
B8	
B9	+24V_CTRL_b
B10	TX_ENABLE_b
B11	
B12	
B13	NRESET_1_b
B14	NPROG_ENABLE1_b
B15	NPROG_ENABLE2_b
B16	JTAG_TMS_b
B17	JTAG_TCK_b
B18	GND_CTRL
B19	JTAG_TDO_b
B20	JTAG_TDI_b
B21	+24V_CTRL_b
B22	
B23	PS2_PWR_b
B24	PS2_MSDAT_b
B25	PS2_MSCLK_b
B26	GND_CTRL
B27	PS2_PWR_b
B28	PS2_KBDAT_b
B29	PS2_KBCLK_b
B30	
B31	
B32	GND_CTRL

R341 0R NM: TX_ENABLE_b — NPRIMARY_ALARM_b

R342 0R NM: NRESET_1_b — NSECONDARY_ALARM_b

J301C

C1	GND_CTRL
C2	IP0-_b
C3	IP0+_b
C4	IP2-_b
C5	IP2+_b
C6	GND_CTRL
C7	
C8	
C9	+24V_CTRL_b
C10	
C11	PAD1
C12	PAD2
C13	NPROG_ENABLE3_b
C14	NPROG_ENABLE4_b
C15	NPROG_ENABLE5_b
C16	JTAG_TMS_b
C17	JTAG_TCK_b
C18	GND_CTRL
C19	JTAG_TDO_b
C20	JTAG_TDI_b
C21	+24V_CTRL_b
C22	
C23	
C24	JTAG_PWR_b
C25	
C26	GND_CTRL
C27	I2C_PWR_b
C28	NRESET_RCU_b
C29	NPROG_ENABLE6_b
C30	
C31	
C32	GND_CTRL

CMU INFERIOR

J302A

A1	GND_CTRL
A2	NO1-_b
A3	NO1+_b
A4	NC1-_b
A5	NC1+_b
A6	NO2-_b
A7	NO2+_b
A8	NC2-_b
A9	NC2+_b
A10	NO3-_b
A11	NO3+_b
A12	NC3-_b
A13	NC3+_b
A14	NO4-_b
A15	NO4+_b
A16	NC4-_b
A17	NC4+_b
A18	GND_CTRL
A19	NO5-_b
A20	NO5+_b
A21	+24V_CTRL_b
A22	NC5-_b
A23	NC5+_b
A24	
A25	
A26	GND_CTRL
A27	VGA_VSYNC_b
A28	VGA_RED_b
A29	
A30	
A31	
A32	GND_CTRL

J302B

B1	GND_CTRL
B2	ETH_TX_P_b
B3	ETH_TX_CTR_b
B4	ETH_RX_P_b
B5	GND_CTRL
B6	ETH_LED_YK_b
B7	ETH_LED_GK_b
B8	USB0+_b
B9	USB0_GND_b
B10	USB1+_b
B11	USB1_GND_b
B12	
B13	
B14	
B15	
B16	
B17	
B18	GND_CTRL
B19	
B20	
B21	+24V_CTRL_b
B22	VGA_PWR_b
B23	
B24	GND_CTRL
B25	
B26	GND_CTRL
B27	GND_CTRL
B28	VGA_HSYNC_b
B29	
B30	
B31	
B32	GND_CTRL

J302C

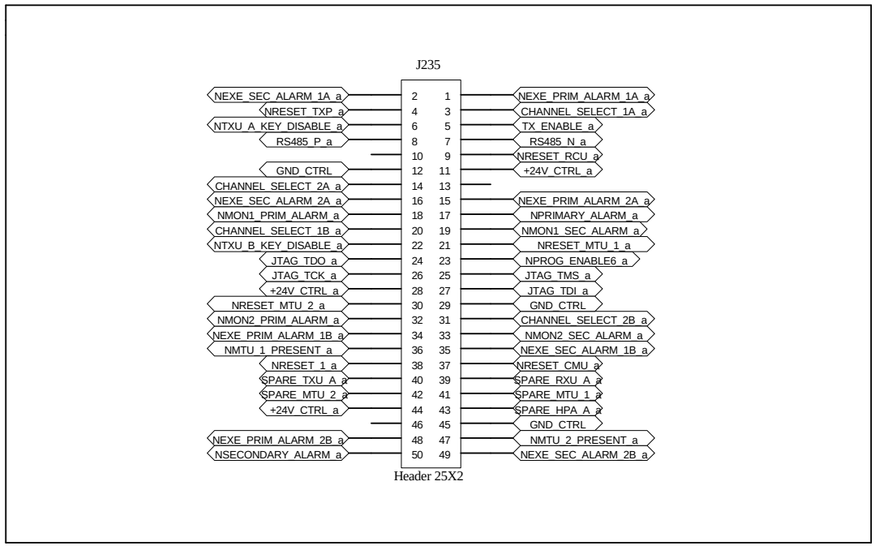
C1	GND_CTRL
C2	ETH_TX_N_b
C3	ETH_RX_CTR_b
C4	ETH_RX_N_b
C5	GND_CTRL
C6	ETH_LED_YA_b
C7	ETH_LED_GA_b
C8	USB0-_b
C9	USB_PWR_b
C10	USB1-_b
C11	USB1_PWR_b
C12	
C13	
C14	
C15	
C16	
C17	
C18	GND_CTRL
C19	
C20	
C21	+24V_CTRL_b
C22	VGA_DDC_CLK_b
C23	VGA_DDC_DAT_b
C24	
C25	
C26	GND_CTRL
C27	VGA_GREEN_b
C28	VGA_BLUE_b
C29	
C30	
C31	
C32	GND_CTRL

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CAGE CODE 0177B / 0178B	ESCALA / SCALE	FORMATO / SIZE: A3	HOJA / SHEET: 7 / 15	

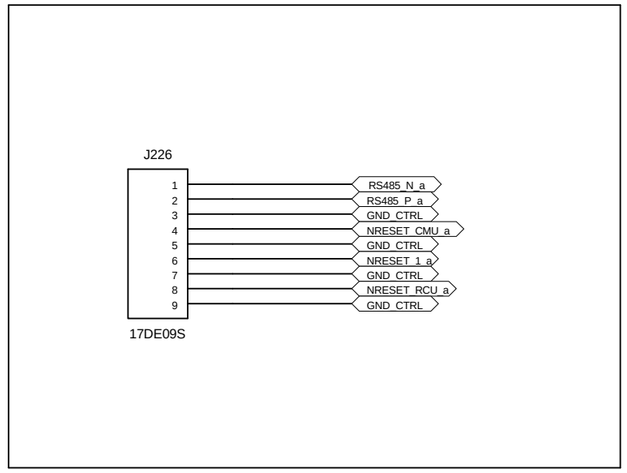
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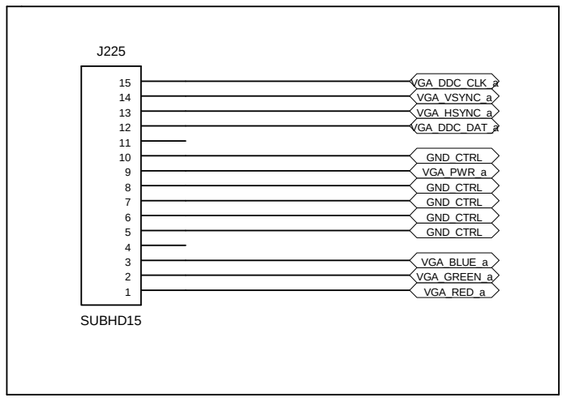
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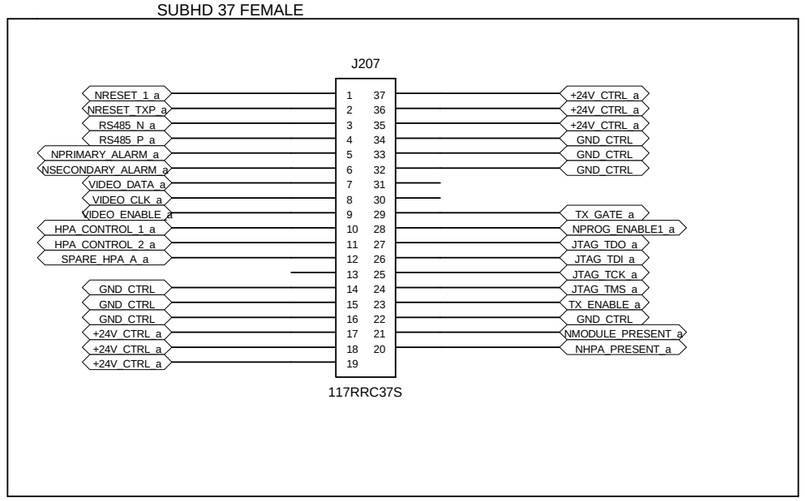
SUBD 9 FEMALE



SUBHD-15 VGA



SUBHD 37 FEMALE

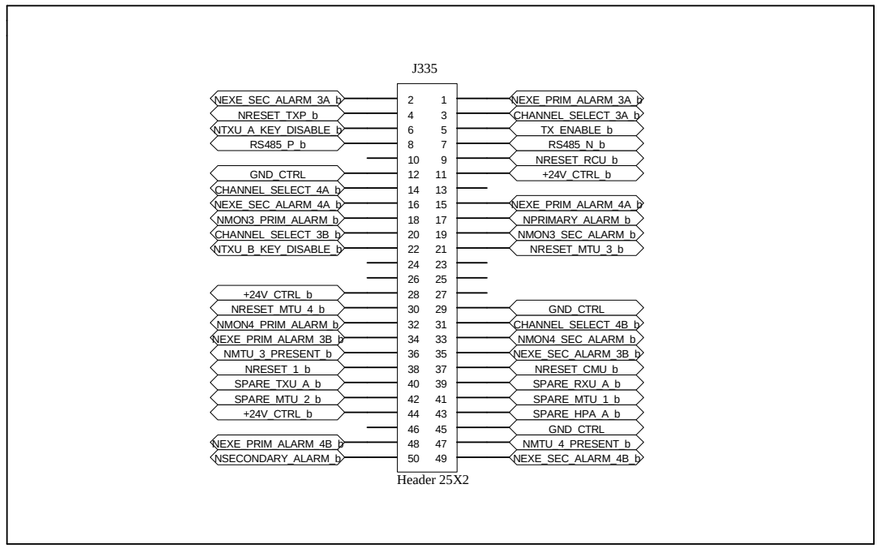


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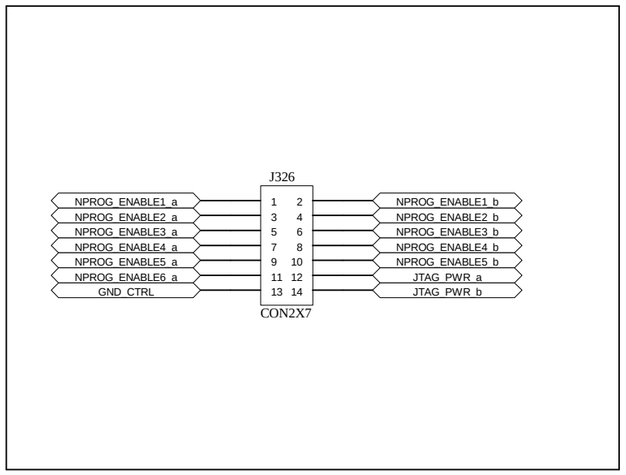
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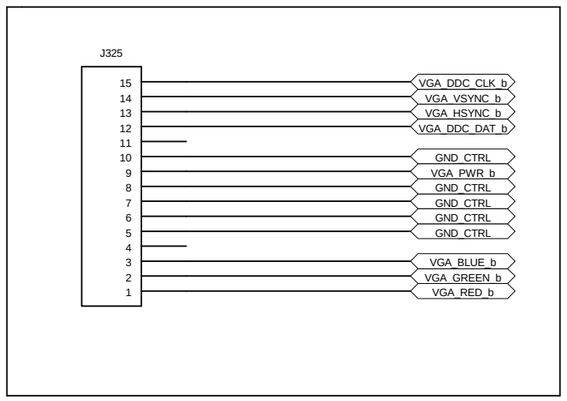
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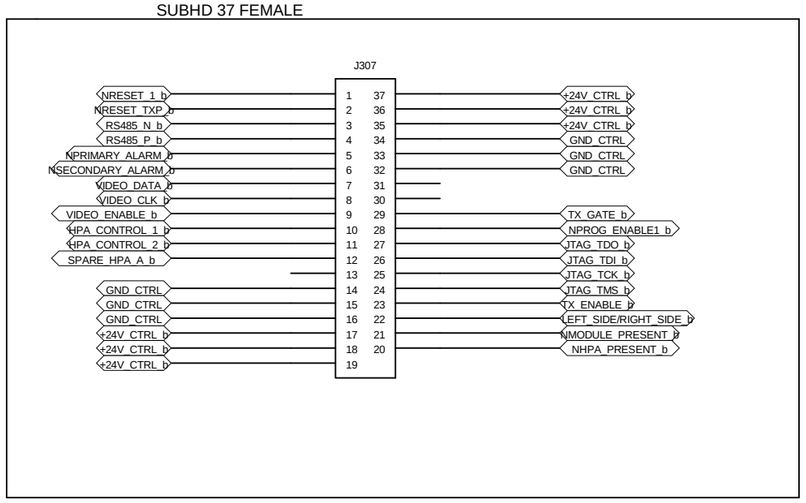
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SUBHD-15 VGA



SUBHD 37 FEMALE

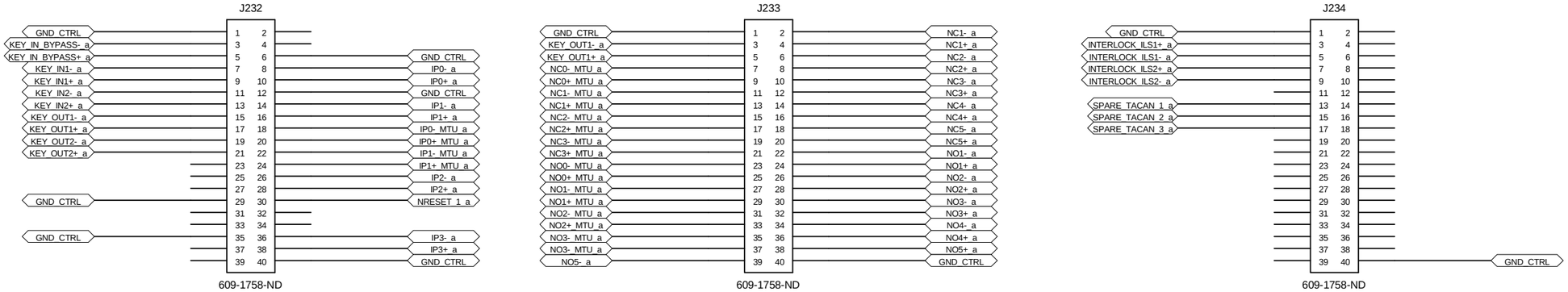


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CAGE CODE 0177B / 0178B	ESCALA / SCALE	FORMATO / SIZE: A3	HOJA / SHEET: 9 / 15	

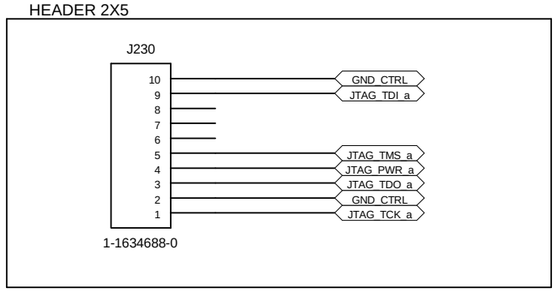
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HEADER 2X20



HEADER 2X5

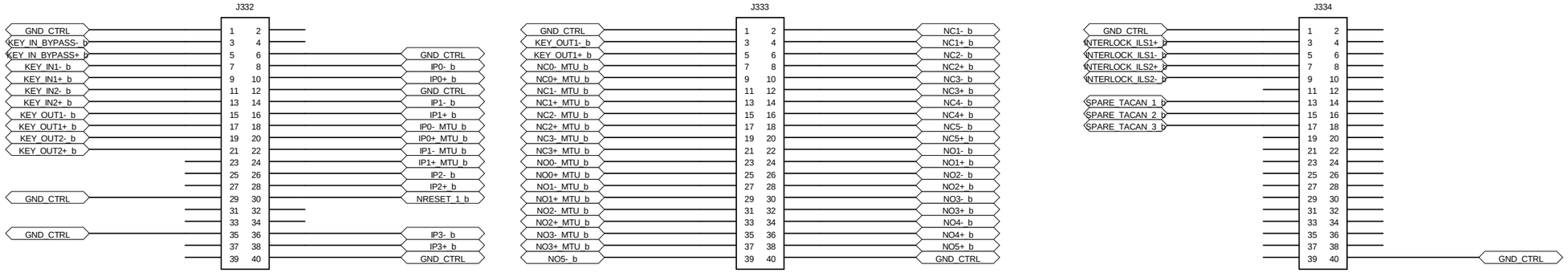


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INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA SCALE	FORMATO SIZE: A3	HOJA SHEET: 10 / 15		

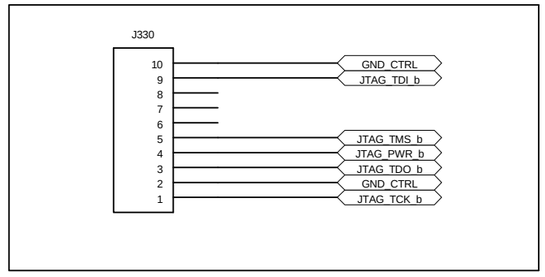
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HEADER 2X20



HEADER 2X5

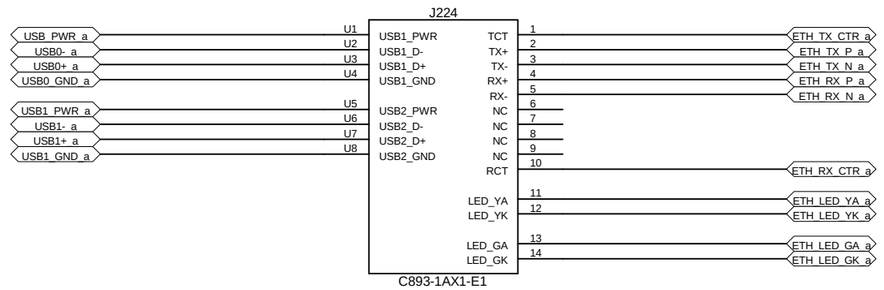


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INDRA SISTEMAS S.A.				
CAGE CODE 0177B / 0178B	ESCALA / SCALE	FORMATO / SIZE: A3	HOJA / SHEET: 11/15	

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ETHERNET + 2 USB

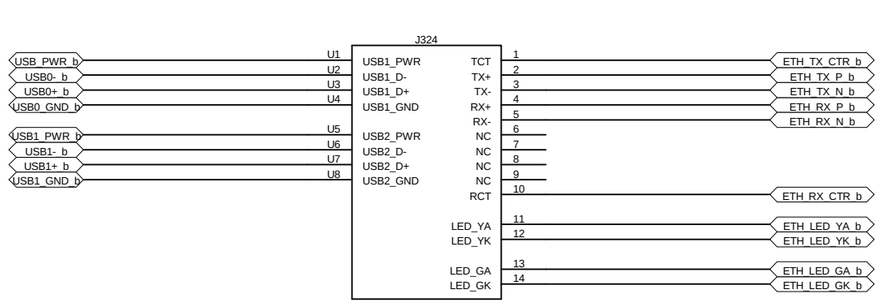


indra	N°DE PLANO DRAWING NUM: 00634 3 00057 00	TIPO TYPE: EQ	ORD.: 00	ED/RV: A0
	CLASIFICACION / CLASSIFICATION		N CONTRATO	CONTR. NUM
INDRA SISTEMAS S.A.				
CAGE CODE 0177B / 0178B	ESCALA / SCALE	FORMATO / SIZE: A3	HOJA / SHEET: 12 / 15	

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ETHERNET + 2 USB

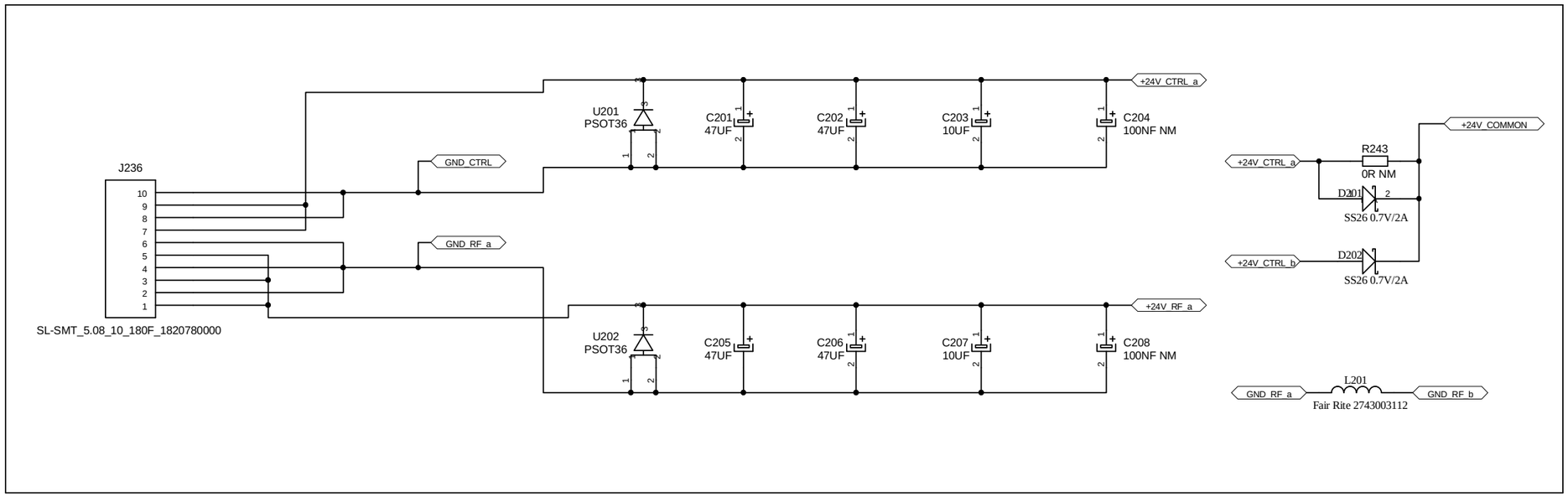


indra	Nº DE PLANO / DRAWING NUM: 00634 3 00057 00	TIPO / TYPE: EQ	ORD.: 00	ED/RV: A0
INDRA SISTEMAS S.A.	CLASIFICACION / CLASSIFICATION		N CONTRATO	CONTR. NUM
CAGE CODE 0177B / 0178B	ESCALA / SCALE	FORMATO / SIZE: A3	HOJA / SHEET: 13 / 15	

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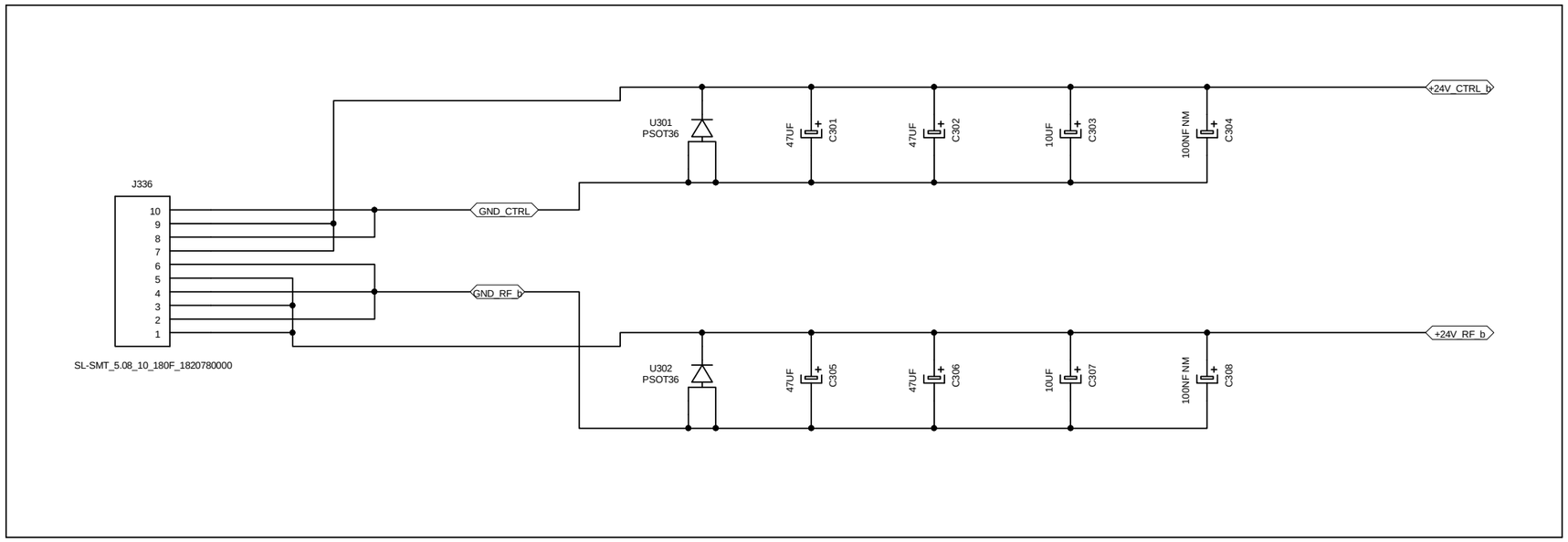
PWR



indra	N ºDE PLANO DRAWING NUM		TIPO TYPE	ORD.	ED/RV	
	00634 3 00057 00		EQ	00	A0	
	CLASIFICACION	CLASSIFICATION	N CONTRATO	CONTR. NUM		
INDRA SISTEMAS S.A.						
CAGE CODE 0177B / 0178B	ESCALA SCALE	FORMATO SIZE A3	HOJA SHEET 14 / 15			

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PWR



indra	N º DE PLANO DRAWING NUM		TIPO TYPE	ORD.	ED/RV	
	00634 3 00057 00		EQ	00	A0	
	CLASIFICACION	CLASSIFICATION	N CONTRATO	CONTR. NUM		
INDRA SISTEMAS S.A.						
CAGE CODE 0177B / 0178B	ESCALA SCALE	FORMATO SIZE A3	HOJA SHEET 15/ 15			

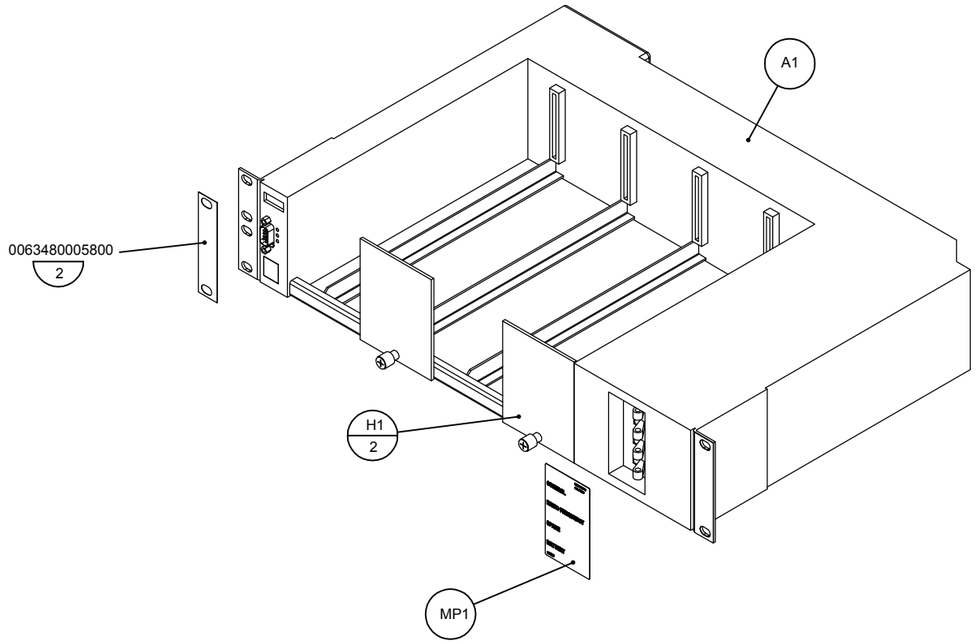
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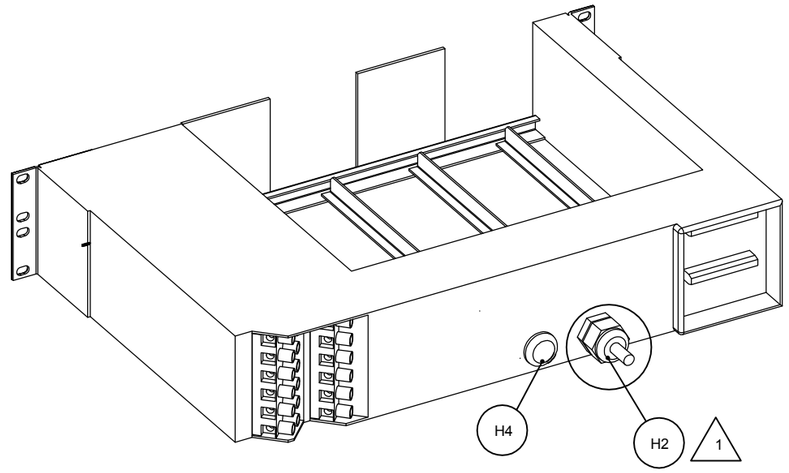
4.2.9 POWER SUPPLY UNIT SUBRACK UNIT

Power Supply Subrack Unit DRAWINGS - [0063420006200DE00]

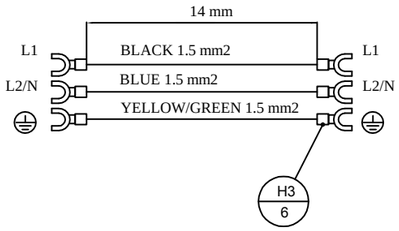
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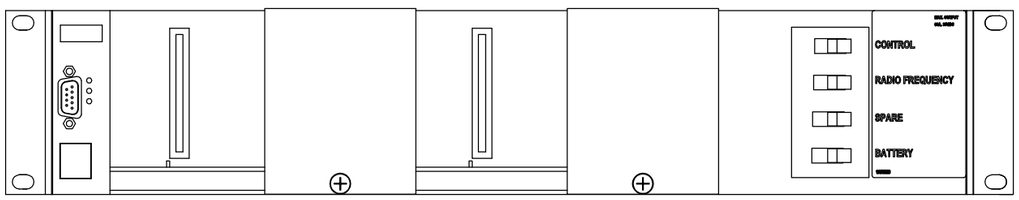
ED/RV	MODIFICACI N *MODIFICATION*	DIBUJA *DRAWN*	FECHA *DATE*	ZONA *ZONE*
A0	PRIMERA EDICI N / FIRST EDITION	**aspro**	**14-12-11**	
A1	REVISI N / REVIEW PCI N . 0063420001009PC02	**aspro**	**23-08-12**	
A2	REVISI N / REVIEW PCI N . 0063420001009PC05	**aspro**	**06-03-13**	

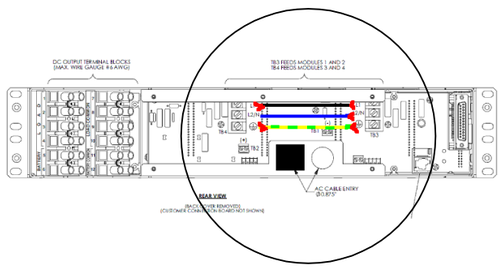




DETALLE / DETAIL







NOTAS:
1.- CABLEADO A REALIZAR UNA VEZ RETIRADA LA CUBIERTA TRASERA

NOTES:
1.- ASSEMBLY WIRING ONCE BACK COVER REMOVED

ED/RV DE HOJAS *ED/RV OF SHEETS*						
18		12		6		
17		11		5		
16		10		4		
15		9		3		
14		8		2		
13		7		1	A2	

TOLERANCIAS GENERALES S/NORMA
GENERAL TOLERANCES P/NORME
ISO 2768-mK

ARISTAS MATADAS CON R.-0,3 O CHAFLANES DE 0,3x45
BREAK ALL SHARP EDGES WITH R.-0.3 OR CHAMFER OF 0,3x45°

LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD
CAD MAINTENANCE

MODEL:

CAD:

MATERIAL *MATERIAL*

TRATAMIENTO *TREATMENT*

ACABADO *FINISH*

RUG.SUP. *ROUGHNESS*

	PREP. *PREP*	**REV.** *CHECK*	**APROB.** *APVD*	**AUTO.** *AUTH*
NOMBRE *NAME*	**aspro**	**jisbuendia**	**jblazquez**	**pbravo**
FECHA *DATE*	**06-03-13**	**06-03-13**	**06-03-13**	**06-03-13**

indra

INDRA SISTEMAS S.A.

CAGE CODE 0177B / 0178B

DENOMINACION *TITLE*

POWER SUPPLY SUBRACK UNIT

N DE PLANO *DRAWING NUM*	TIPO *TYPE*	ORD.	ED/RV
00634 2 00062 00	DE	00	A2

CLASIFICACI N *CLASSIFICATION*	N CONTRATO *CONTR. NUM*

ESCALA *SCALE*	FORMATO *SIZE*	HOJA *SHEET*
1 / 2	A2	1 / 1

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FRM-A2-H1-INDRA
09-06-08

4.2.10 RECTIFIER MODULE

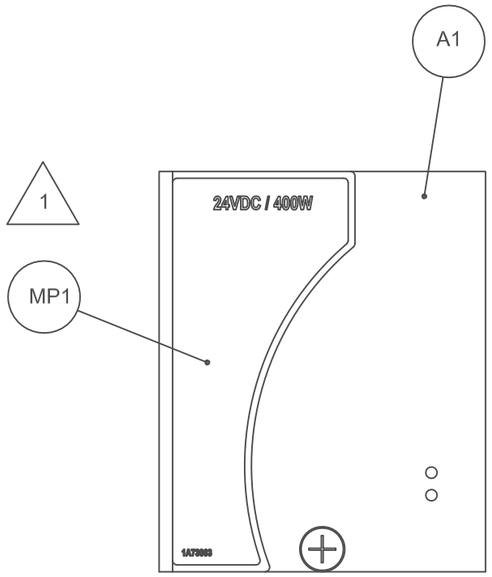
Rectifier Module DRAWINGS - [0063420005500DE00]

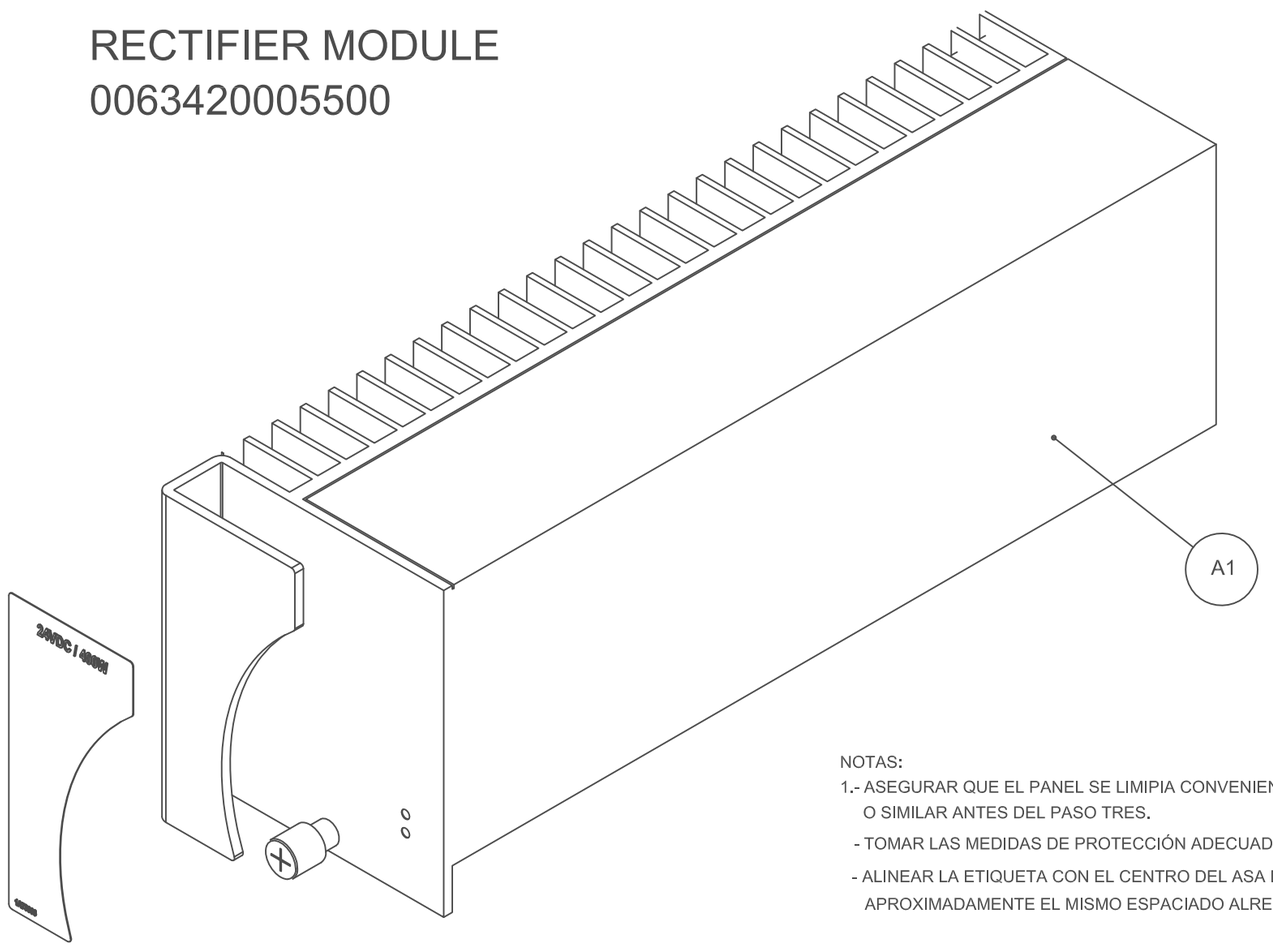
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ED/RV	MODIFICACIÓN / MODIFICATION	DIBUJA / DRAWN	FECHA / DATE	ZONA / ZONE
A0	PRIMERA EDICIÓN / FIRST EDITION	aspro	07-12-11	

RECTIFIER MODULE
0063420005500





NOTAS:
1.- ASEGURAR QUE EL PANEL SE LIMIPIA CONVENIENTEMENTE CON ALCOHOL O SIMILAR ANTES DEL PASO TRES.
- TOMAR LAS MEDIDAS DE PROTECCIÓN ADECUADAS PARA ESTA OPERACIÓN.
- ALINEAR LA ETIQUETA CON EL CENTRO DEL ASA DE FORMA QUE QUEDE APROXIMADAMENTE EL MISMO ESPACIADO ALREDEDOR.

NOTES:
1.- ENSURE PANEL IS THOROUGHLY CLEANED BY WIPING WITH ISOPROPYL ALCOHOL OR SIMILAR CLEANING FLUID BEFORE PROCEEDING TO STEP 3.
- USE CORRECT PPE FOR THIS OPERATION.
- LINE UP LABEL IN CENTRE OF HANDLE AREA WITH APPROXIMATELY EQUAL SPACING ALL ARROUND.

ED/RV DE HOJAS / ED/RV OF SHEETS					
18		12		6	
17		11		5	
16		10		4	
15		9		3	
14		8		2	
13		7		1	A0

TOLERANCIAS GENERALES S/NORMA / GENERAL TOLERANCES P/NORME: ISO 2768-mK

ARISTAS MATADAS CON R.-0,3 O CHAFLANES DE 0,3x45° / BREAK ALL SHARP EDGES WITH R.-0.3 OR CHAMFER OF 0,3x45°

LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD / CAD MAINTENANCE

MODEL:

CAD:

MATERIAL / MATERIAL

RUG.SUP. / ROUGHNESS

TRATAMIENTO / TREATMENT

ACABADO / FINISH

	PREP. / PREP	REV. / CHECK	APROB. / APVD	AUTO. / AUTH
NOMBRE / NAME	aspro	jlsbuendia	jblazquez	pbravo
FECHA / DATE	07-12-11	07-12-11	07-12-11	07-12-11

indra

INDRA SISTEMAS S.A.

CAGE CODE 0177B / 0178B

DENOMINACION / TITLE: RECTIFIER MODULE

N° DE PLANO / DRAWING NUM	TIPO / TYPE	ORD.	ED/RV
00634 2 00055 00	DE	00	A0

CLASIFICACIÓN / CLASSIFICATION	Nº CONTRATO / CONTR. NUM

ESCALA / SCALE: 3 / 4 — FORMATO / SIZE: A3 — HOJA / SHEET: 1 / 1

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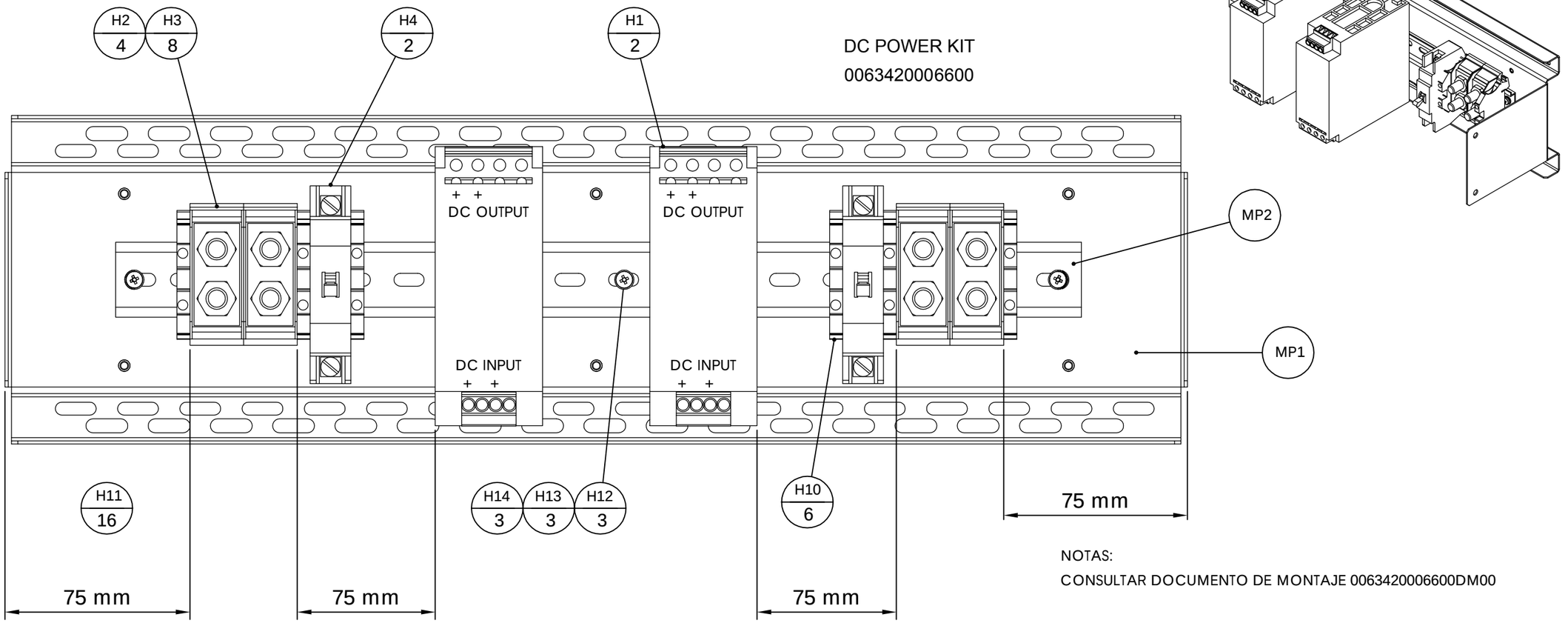
4.2.11 DC POWER KIT

Rectifier Module DRAWINGS - [0063420006600DE00]

(2 page attached)

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ED/RV	MODIFICACI N *MODIFICATION*	DIBUJA *DRAWN*	FECHA *DATE*	ZONA *ZONE*
A0	PRIMERA EDICI N / FIRST EDITION	aspro	18-07-12	
A1	REVISI N / REVIEW - PCI N . 0063420001007PC01	aspro	06-03-13	



NOTAS:
CONSULTAR DOCUMENTO DE MONTAJE 0063420006600DM00

NOTES:
REFER TO ASSEMBLY DOCUMENT 0063420006600DM00

ED/RV DE HOJAS *ED/RV OF SHEETS*					
18		12		6	
17		11		5	
16		10		4	
15		9		3	
14		8		2	A1
13		7		1	A1

TOLERANCIAS GENERALES S/NORMA *GENERAL TOLERANCES P/NORME*
ISO 2768-mK

ARISTAS MATADAS CON R.-0,3 O CHAFLANES DE 0,3x45 *BREAK ALL SHARP EDGES WITH R.-0.3 OR CHAMFER OF 0,3x45°*

LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD *CAD MAINTENANCE*

MODEL:

CAD:

MATERIAL *MATERIAL*

TRATAMIENTO *TREATMENT*

RUG.SUP. ***ROUGHNESS***

ACABADO *FINISH*

	PREP. *PREP*	**REV.** *CHECK*	**APROB.** *APVD*	**AUTO.** *AUTH*
NOMBRE *NAME*	aspro	jlsbuendia	jblazquez	pbravo
FECHA *DATE*	06-03-13	06-03-13	06-03-13	06-03-13

INDRA SISTEMAS S.A.
CAGE CODE 0177B / 0178B

DENOMINACION *TITLE*
DC POWER KIT

N DE PLANO *DRAWING NUM*	TIPO *TYPE*	ORD.	ED/RV
00634 2 00066 00	DE	00	A1

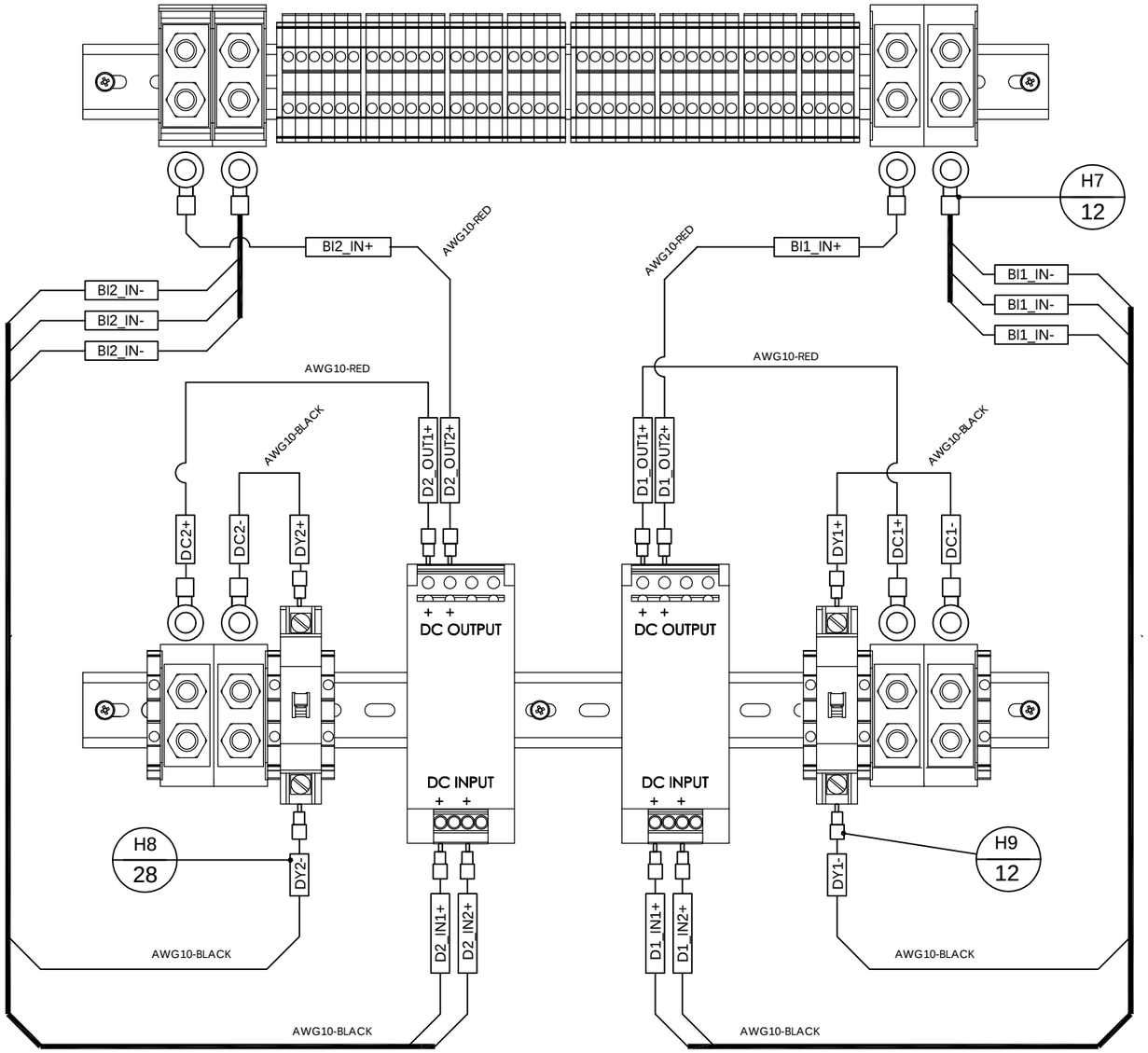
CLASIFICACI N	*CLASSIFICATION*	N CONTRATO	*CONTR. NUM*

ESCALA *SCALE*	1 / 2	FORMATO *SIZE*	A3	HOJA *SHEET*	1 / 2

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FRM-A3-H1-INDRA.DWG
09-06-08

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LEFT SIDE WIRING

TYPE - DESCRIPTION	LENGTH	MARKING	
AWG10 - RED	45 mm	DC1+	D1_OUT1+
AWG10 - BLACK	20 mm	DC1-	DY1+
AWG10 - BLACK	75 mm	D1_IN1+	BI1_IN-
AWG10 - BLACK	75 mm	D1_IN2+	BI1_IN-
AWG10 - RED	30 mm	D1_OUT2+	BI1_IN+
AWG10 - BLACK	65 mm	DY1-	BI1_IN-

RIGHT SIDE WIRING

TYPE - DESCRIPTION	LENGTH	MARKING	
AWG10 - RED	45 mm	DC2+	D2_OUT1+
AWG10 - BLACK	20 mm	DC2-	DY2+
AWG10 - BLACK	75 mm	D2_IN1+	BI2_IN-
AWG10 - BLACK	75 mm	D2_IN2+	BI2_IN-
AWG10 - RED	30 mm	D2_OUT2+	BI2_IN+
AWG10 - BLACK	65 mm	DY2-	BI2_IN-

NOTAS:

1 .- LENGTH INDICATES APPLY TO A TOLERANCE OF 2.5 . THE REFINE YOUR CABLE MEASURES CORRESPONDING TO THE CABLES EXTENDED.

2 .- WELDING COMPONENTS AS IPC / EIA J-STD-001C

3 .- ALL WIRE ARE AWG10 TYPE UNLESS SPECIFIED OTHERWISE

4 .- MARK AS SHOWN CHARACTERS WITH HEIGHT 2.3mm.

NOTAS:

1.- APLICAR A LAS LONGITUDES INDICADAS UNA TOLERANCIA DEL 2.5 . LAS MEDIDAS DE LOS CABLES ACOTADAS CORRESPONDEN A LOS CABLES EXTENDIDOS.

2.- SOLDAR COMPONENTES SEGUN IPC/EIA J-STD-001C

3.- CABLES SON TIPO AWG 10 SALVO QUE SE ESPECIFIQUE LO CONTRARIO

4.- MARCAR SEGUN SE INDICA CON CARACTERES DE 2.3mm DE ALTURA.

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indra	N DE PLANO *DRAWING NUM* 00634 2 00066 00		TIPO *TYPE* DE	ORD. 00	ED/RV A1	
INDRA SISTEMAS S.A.	CLASIFICACI N	*CLASSIFICATION*	N CONTRATO	*CONTR. NUM*		
CAGE CODE 0177B / 0178B	ESCALA *SCALE* - / -	FORMATO *SIZE* A3	HOJA *SHEET* 2 / 2			

FRM-A3-H1-INDRA.DWG

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4.3 AC INPUT BOX

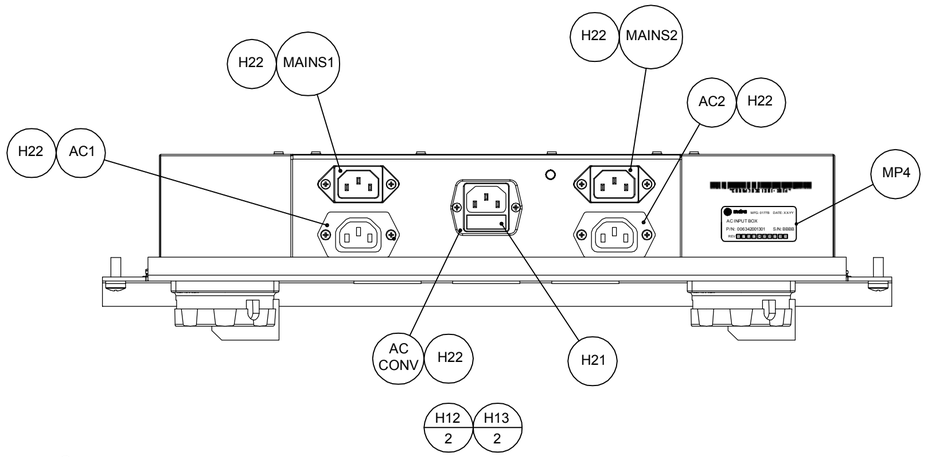
4.3.1 AC INPUT BOX SP [0063420001301]

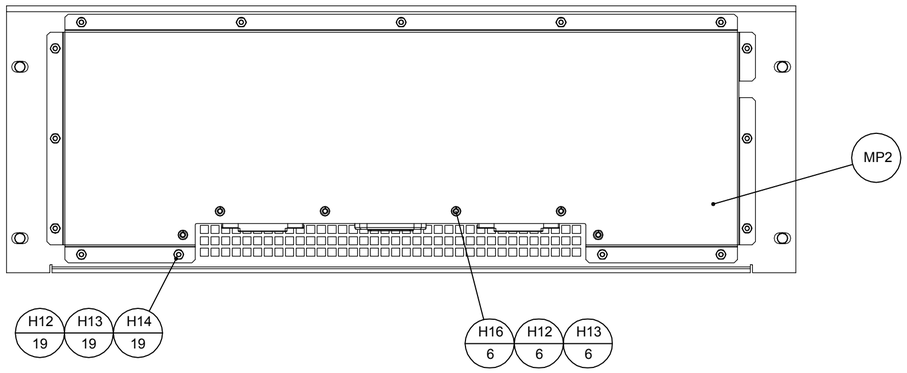
AC INPUT BOX drawings [0063420001301DE00]

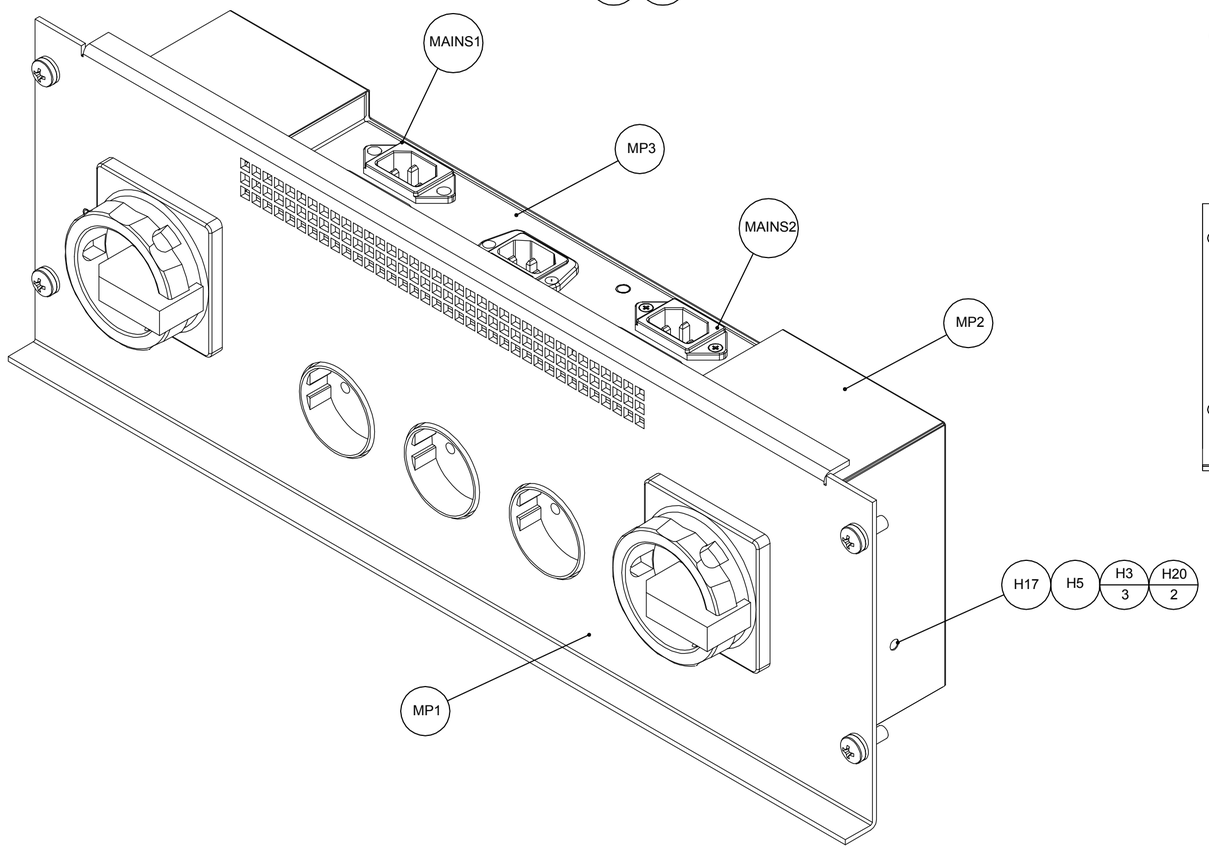
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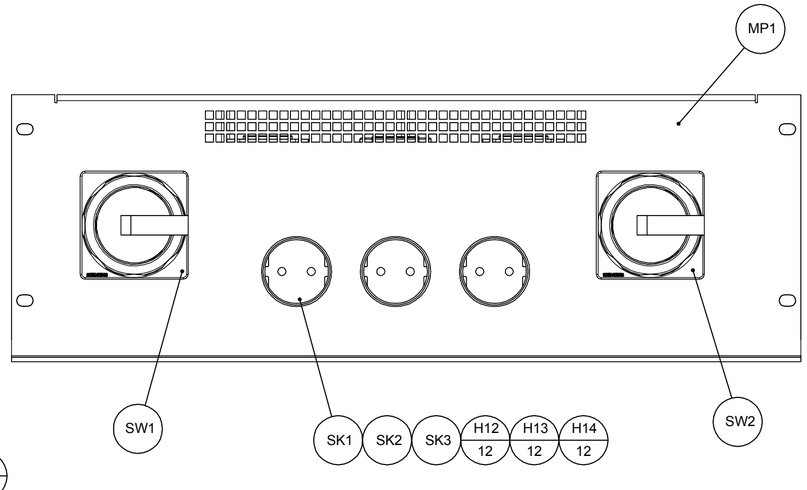
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ED/RV	MODIFICACIÓN / MODIFICATION	DIBUJA / DRAWN	FECHA / DATE	ZONA / ZONE
A0	PRIMERA EDICI N / FIRST EDITION	aspro	30-11-11	









NOTAS:
CONSULTAR DOCUMENTO MONTAJE 0063420001301DM00

NOTES:
REFER TO DOCUMENT 0063420001301DM00

ED/RV DE HOJAS / ED/RV OF SHEETS					
18		12		6	
17		11		5	
16		10		4	
15		9		3	
14		8		2	A0
13		7		1	A0

TOLERANCIAS GENERALES S/NORMA / GENERAL TOLERANCES P/NORME: ISO 2768-mK

ARISTAS MATADAS CON R.-0,3 O CHAFLANES DE 0,3x45 / BREAK ALL SHARP EDGES WITH R.-0.3 OR CHAMFER OF 0,3x45°

LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD / CAD MAINTENANCE

MODEL:

CAD:

MATERIAL / MATERIAL

RUG.SUP. / ROUGHNESS

TRATAMIENTO / TREATMENT

ACABADO / FINISH

indra

INDRA SISTEMAS S.A.

CAGE CODE 0177B / 0178B

	PREP. / PREP	REV. / CHECK	APROB. / APVD	AUTO. / AUTH
NOMBRE / NAME	aspro	jlsbuendia	jblazquez	pbravo
FECHA / DATE	30-11-11	30-11-11	30-11-11	30-11-11

DENOMINACION / TITLE: AC INPUT BOX [SP]

N DE PLANO / DRAWING NUM	TIPO / TYPE	ORD.	ED/RV
00634 2 00013 01	DE	00	A0

CLASIFICACI N / CLASSIFICATION	N CONTRATO / CONTR. NUM

ESCALA / SCALE	FORMATO / SIZE	HOJA / SHEET
S / E	A2	1 / 2

HA SIDO CREADO, NI SERA COPIADO NI ENTREGADO A TERCERAS PERSONAS SIN LA AUTORIZACION EXPRESA DE INDRA.
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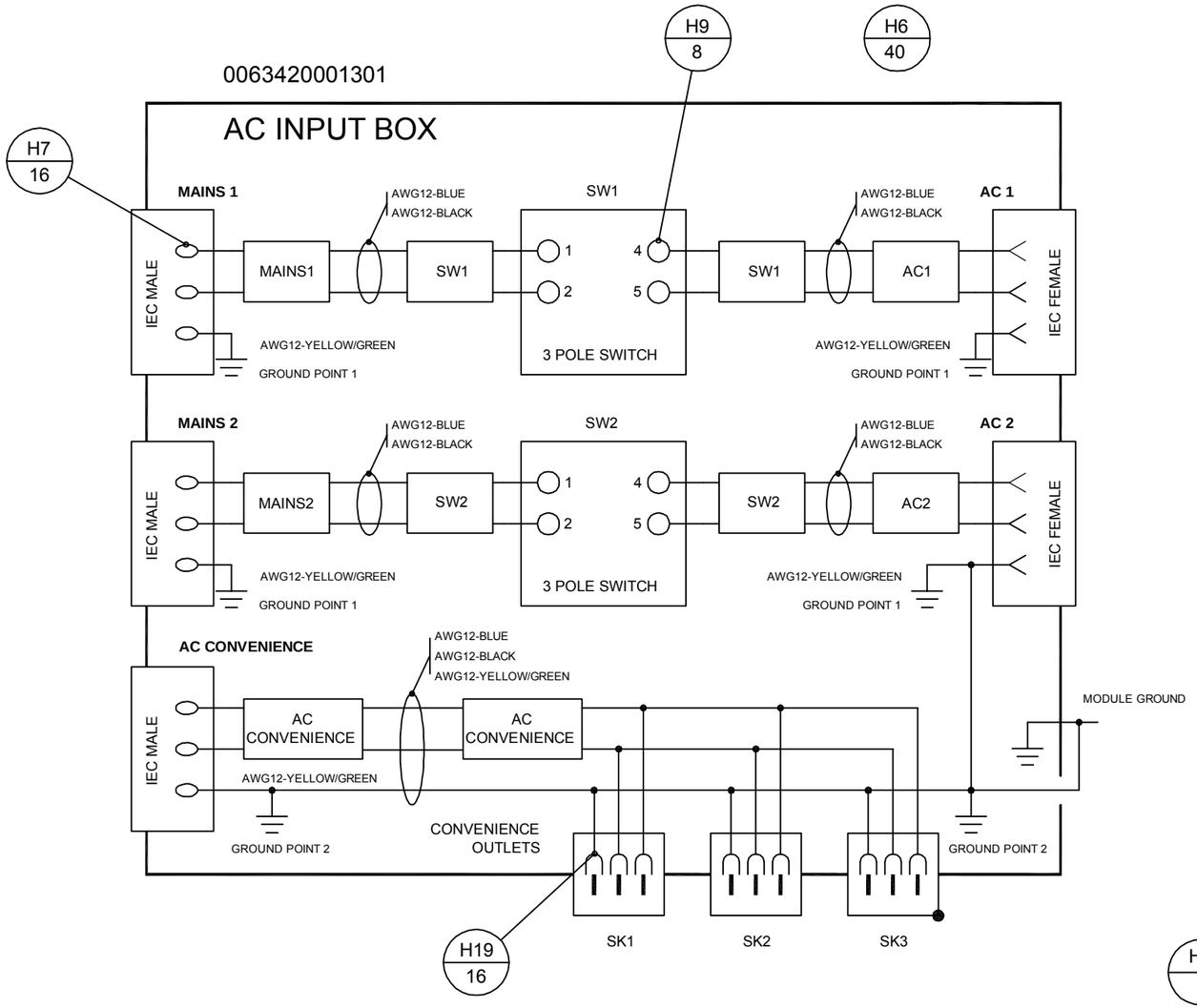
FRM-A2-H1-INDRA
09-06-08

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0063420001301

AC INPUT BOX

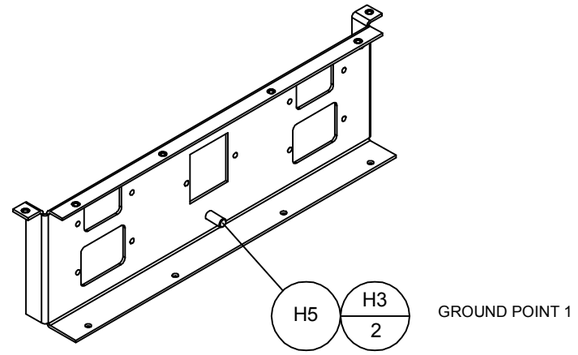


TERMINALES / TERMINALS

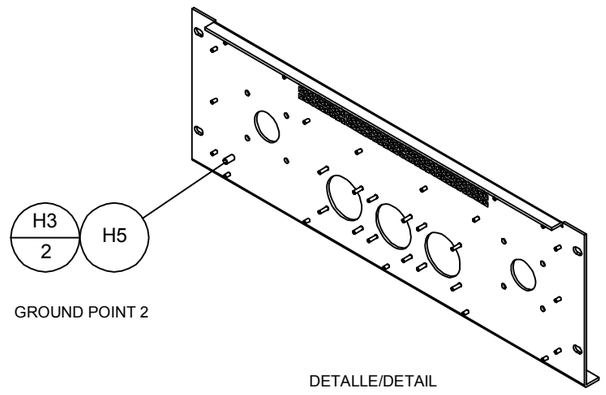
H7 17 | H8 8 | H9 8 | H18 1 | H19 16

CABLES / WIRES

H1 | H10 | H11



DETALLE/DETAIL



DETALLE/DETAIL

NOTAS:

CONSULTAR DOCUMENTO MONTAJE 0063420001301DM00

NOTES:

REFER TO DOCUMENT 0063420001301DM00

indra	N DE PLANO *DRAWING NUM* 00634 2 00013 01		TIPO *TYPE* DE	ORD. 00	ED/RV A0
	CLASIFICACI N	*CLASSIFICATION*	N CONTRATO	*CONTR. NUM*	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* S / E	FORMATO *SIZE* A3	HOJA *SHEET* 2 / 2		

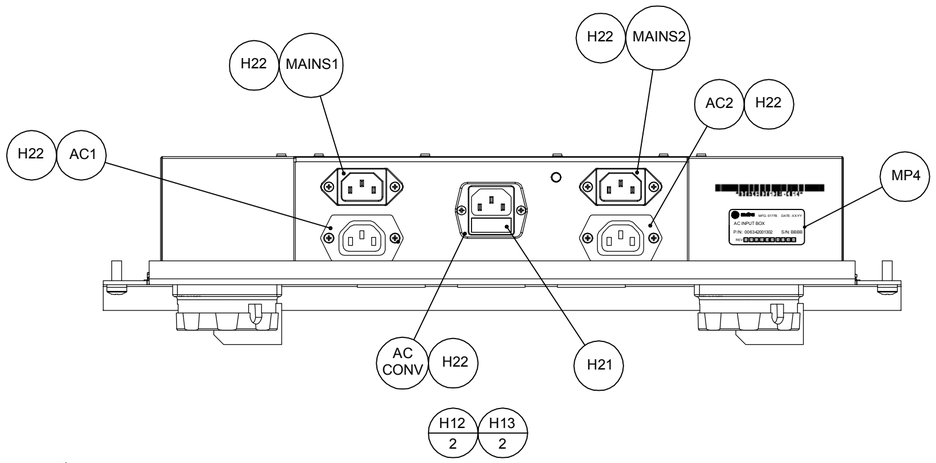
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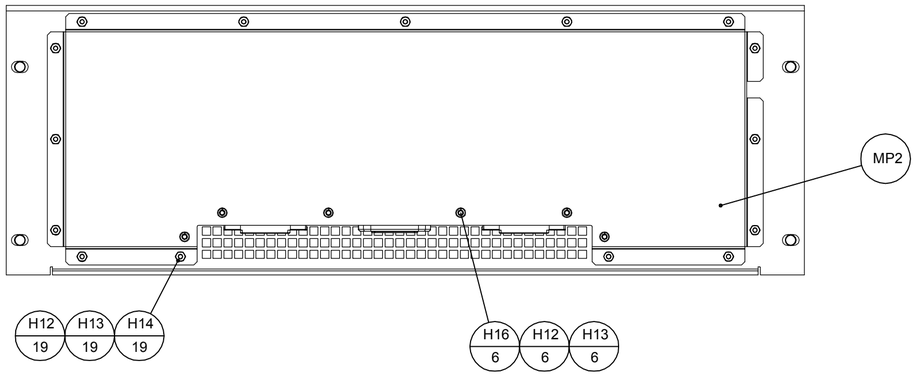
4.3.2 AC INPUT BOX AU/NZ [0063420001302]

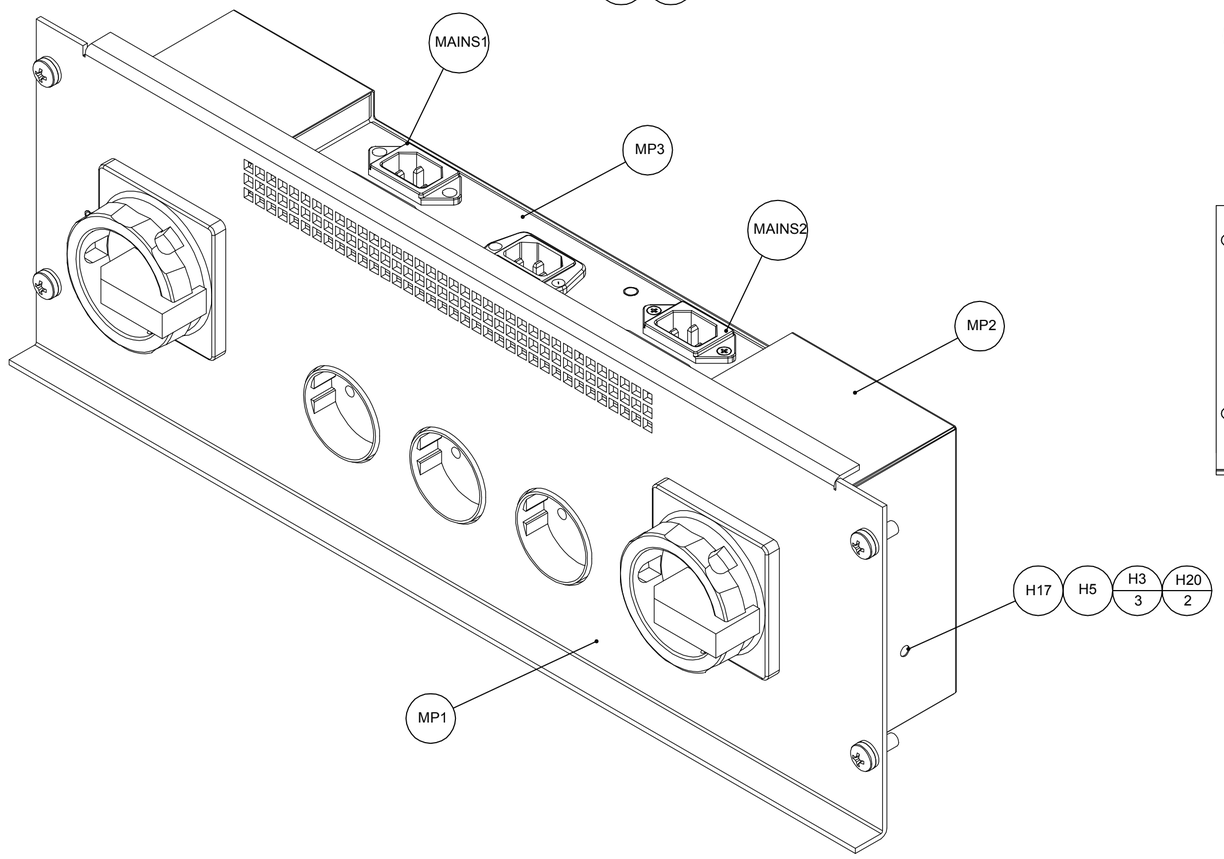
AC INPUT BOX drawings [0063420001302DE00]

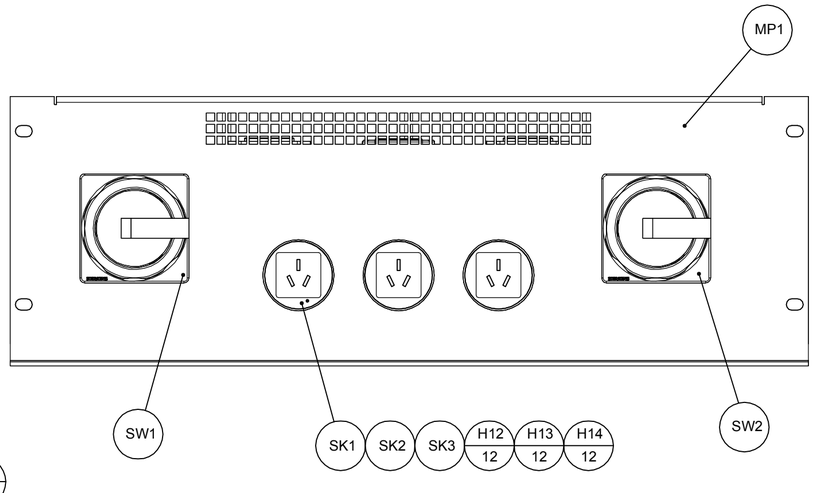
(2 pages attached)

ED/RV	MODIFICACIÓN *MODIFICATION*	DIBUJA *DRAWN*	FECHA *DATE*	ZONA *ZONE*
A0	PRIMERA EDICI N / FIRST EDITION	aspro	30-11-11	









NOTAS:
CONSULTAR DOCUMENTO MONTAJE 0063420001301DM00

NOTES:
REFER TO DOCUMENT 0063420001301DM00

ED/RV DE HOJAS *ED/RV OF SHEETS*					
18		12		6	
17		11		5	
16		10		4	
15		9		3	
14		8		2	A0
13		7		1	A0

TOLERANCIAS GENERALES S/NORMA *GENERAL TOLERANCES P/NORME*
ISO 2768-mK

ARISTAS MATADAS CON R.-0,3 O CHAFLANES DE 0,3x45
BREAK ALL SHARP EDGES WITH R.-0.3 OR CHAMFER OF 0,3x45°

LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD
CAD MAINTENANCE

MODEL:

CAD:

MATERIAL *MATERIAL*

TRATAMIENTO *TREATMENT*

ACABADO *FINISH*

RUG.SUP. *ROUGHNESS*

indra

INDRA SISTEMAS S.A.

CAGE CODE 0177B / 0178B

	PREP. *PREP*	REV. *CHECK*	APROB. *APVD*	AUTO. *AUTH*
NOMBRE *NAME*	aspro	jlsbuendia	jblazquez	pbravo
FECHA *DATE*	30-11-11	30-11-11	30-11-11	30-11-11

DENOMINACION *TITLE*
AC INPUT BOX [AU/NZ]

N DE PLANO *DRAWING NUM*	TIPO *TYPE*	ORD.	ED/RV
00634 2 00013 02	DE	00	A0

CLASIFICACI N *CLASSIFICATION*	N CONTRATO *CONTR. NUM*

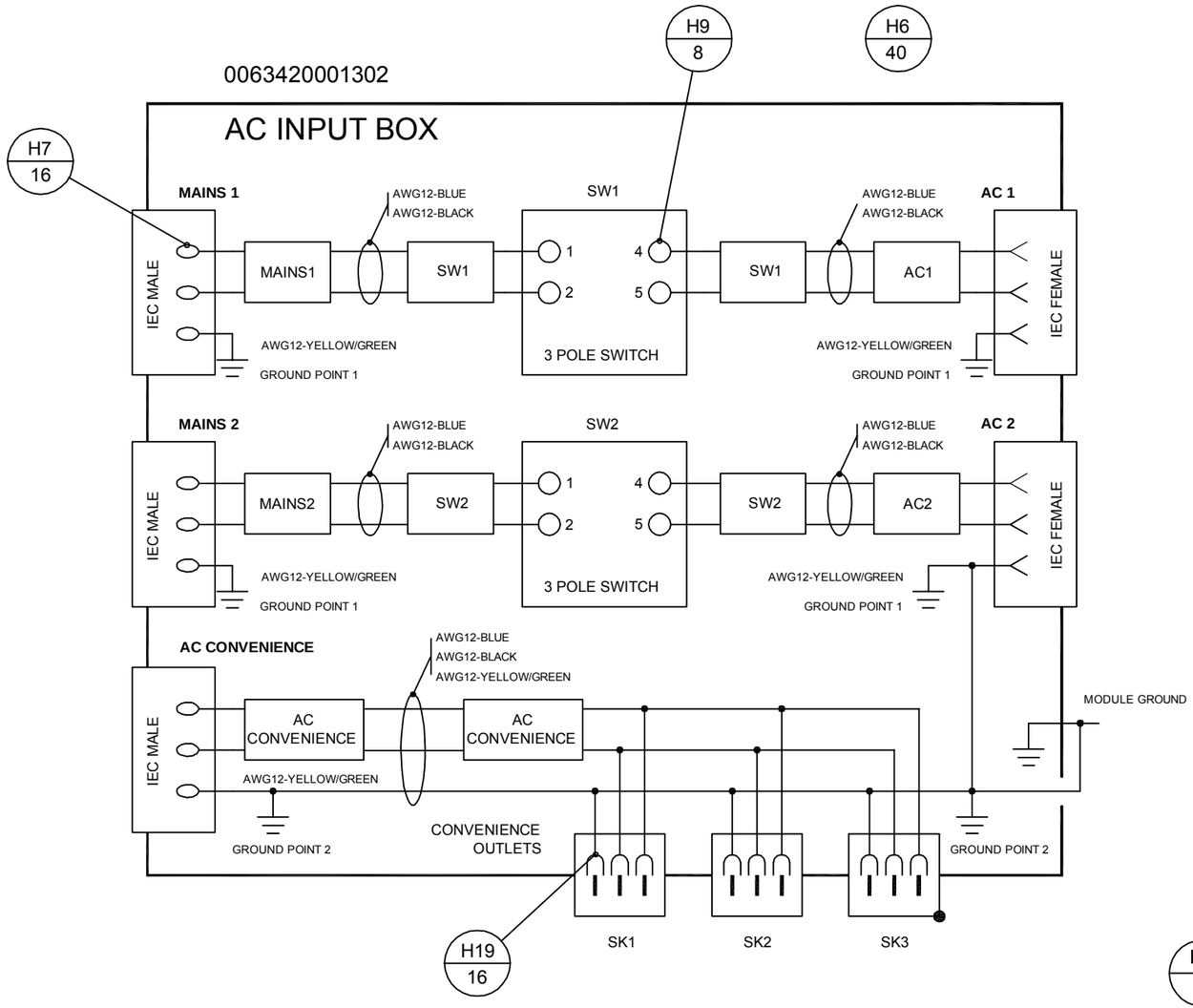
ESCALA *SCALE* S / E | FORMATO *SIZE* A2 | HOJA *SHEET* 1 / 2

FRM-A2-H1-INDRA
09-06-08

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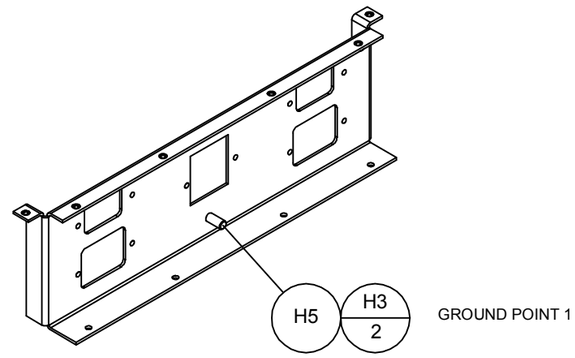


TERMINALES / TERMINALS

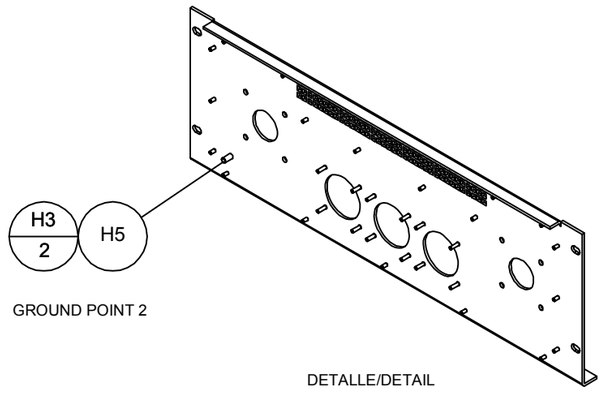
H7	H8	H9	H18	H19
17	8	8	1	16

CABLES / WIRES

H1 H10 H11



DETALLE/DETAIL



DETALLE/DETAIL

NOTAS:

CONSULTAR DOCUMENTO MONTAJE 0063420001301DM00

NOTES:

REFER TO DOCUMENT 0063420001301DM00

indra	N DE PLANO *DRAWING NUM* 00634 2 00013 02		TIPO *TYPE* DE	ORD. 00	ED/RV A0
	CLASIFICACI N	*CLASSIFICATION*	N CONTRATO	*CONTR. NUM*	
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* S / E	FORMATO *SIZE* A3	HOJA *SHEET* 2 / 2		

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4.3.3 AC INPUT BOX USA [0063420001303]

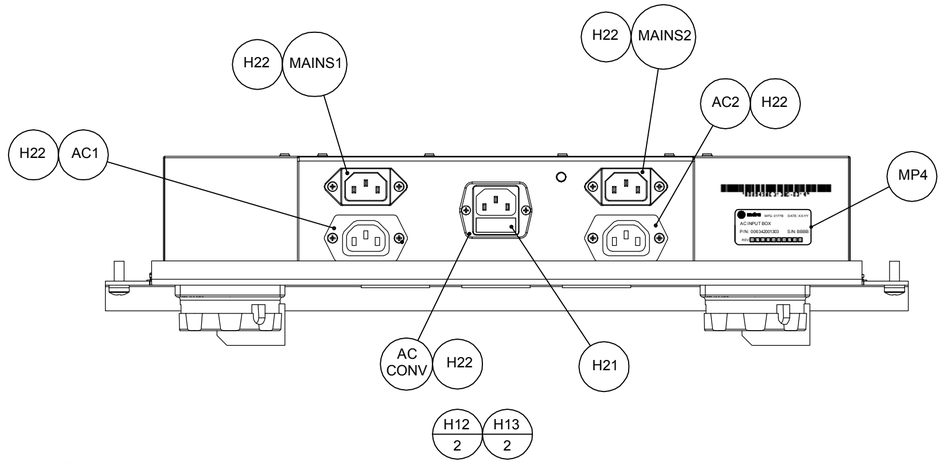
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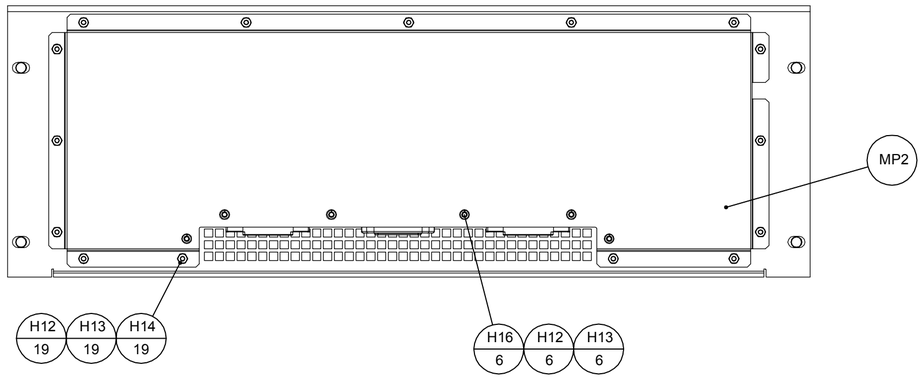
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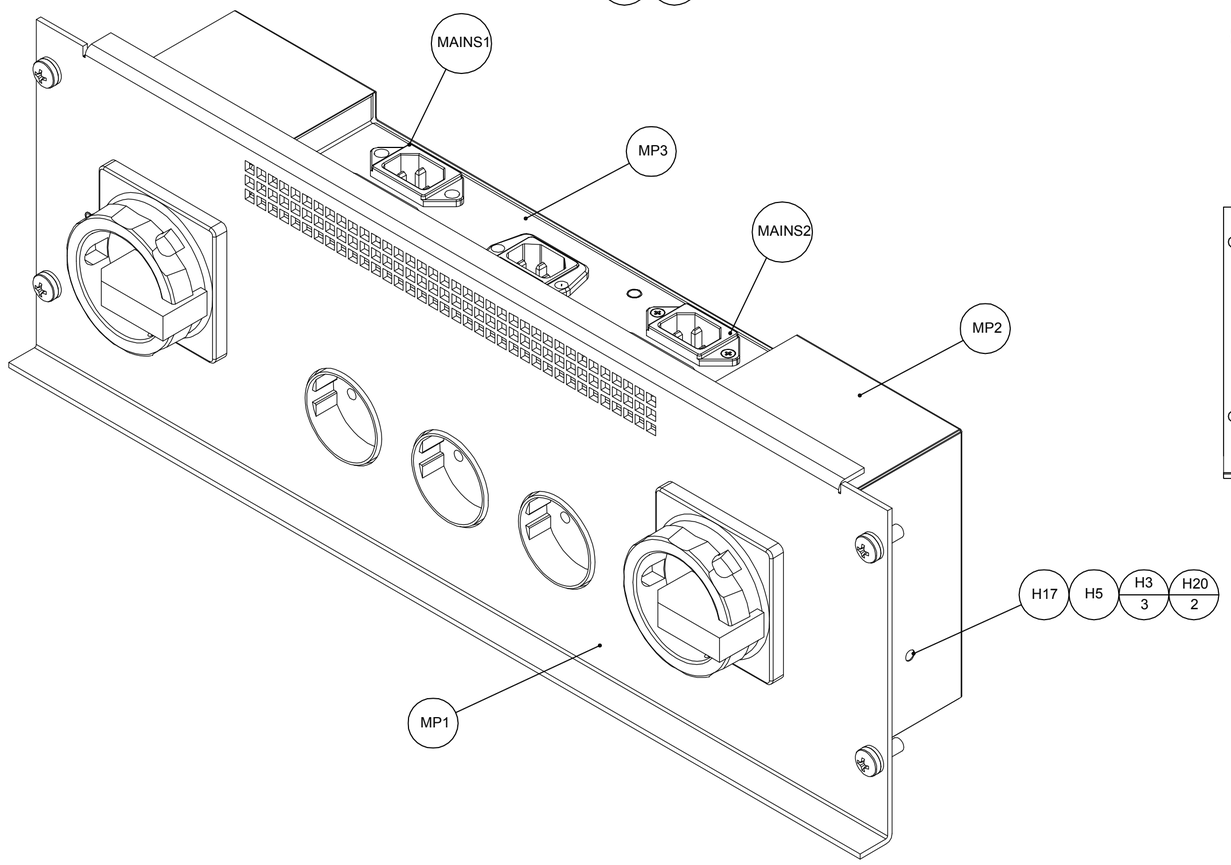
ESTA DOCUMENTACIÓN TÉCNICA NO PUEDE SER COPIADA NI ENTREGADA A TERCERAS PERSONAS SIN LA AUTORIZACIÓN EXPRESA DE INDRA.
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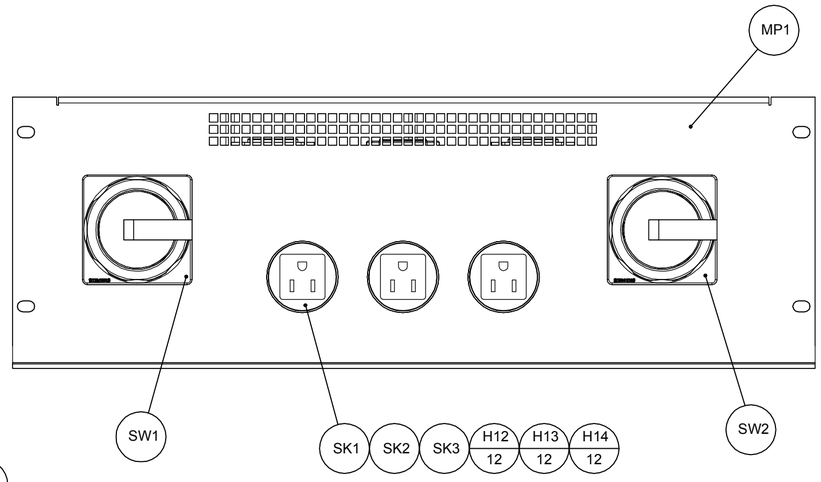
ESTA DOCUMENTACIÓN TÉCNICA NO PUEDE SER COPIADA NI ENTREGADA A TERCERAS PERSONAS SIN LA AUTORIZACIÓN EXPRESA DE INDRA.
NOTICE: DOCUMENT APPROVED THROUGH ELECTRONIC VALIDATION. ISSUE STATUS OF UNCONTROLLED PRINTS OR COPIES MUST BE CONFIRMED AGAINST THE ELECTRONIC MASTER IN THE PDM SYSTEM OF INDRA.

ED/RV	MODIFICACION / MODIFICATION	DIBUJA / DRAWN	FECHA / DATE	ZONA / ZONE
A0	PRIMERA EDICI N / FIRST EDITION	aspro	30-11-11	









NOTAS:
CONSULTAR DOCUMENTO MONTAJE 0063420001301DM00

NOTES:
REFER TO DOCUMENT 0063420001301DM00

ED/RV DE HOJAS / ED/RV OF SHEETS						
18		12		6		
17		11		5		
16		10		4		
15		9		3		
14		8		2	A0	MODEL:
13		7		1	A0	CAD:

TOLERANCIAS GENERALES S/NORMA / *GENERAL TOLERANCES P/NORME*: ISO 2768-mK

ARISTAS MATADAS CON R.-0,3 O CHAFLANES DE 0,3x45 / *BREAK ALL SHARP EDGES WITH R.-0.3 OR CHAMFER OF 0,3x45°*

LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD / *CAD MAINTENANCE*

MATERIAL *MATERIAL*

TRATAMIENTO *TREATMENT*

ACABADO *FINISH*

RUG.SUP. *ROUGHNESS*

	PREP. *PREP*	REV. *CHECK*	APROB. *APVD*	AUTO. *AUTH*
NOMBRE *NAME*	aspro	jlsbuendia	jblazquez	pbravo
FECHA *DATE*	30-11-11	30-11-11	30-11-11	30-11-11

INDRA SISTEMAS S.A.
CAGE CODE 0177B / 0178B

DENOMINACION *TITLE*: AC INPUT BOX [USA]

N DE PLANO / *DRAWING NUM*	TIPO *TYPE*	ORD.	ED/RV
00634 2 00013 03	DE	00	A0

CLASIFICACI N / *CLASSIFICATION*	N CONTRATO / *CONTR. NUM*

ESCALA / *SCALE*	FORMATO / *SIZE*	HOJA / *SHEET*
S / E	A2	1 / 2

FRM-A2-H1-INDRA
09-06-08

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0063420001303

AC INPUT BOX

H9 / 8

H6 / 40

H7 / 16

MAINS 1

AWG12-BLUE
AWG12-BLACK

SW1

AC 1

IEC MALE

MAINS1

SW1

1
2
4
5

SW1

AC1

IEC FEMALE

AWG12-YELLOW/GREEN
GROUND POINT 1

3 POLE SWITCH

AWG12-YELLOW/GREEN
GROUND POINT 1

MAINS 2

AWG12-BLUE
AWG12-BLACK

SW2

AC 2

IEC MALE

MAINS2

SW2

1
2
4
5

SW2

AC2

IEC FEMALE

AWG12-YELLOW/GREEN
GROUND POINT 1

3 POLE SWITCH

AWG12-YELLOW/GREEN
GROUND POINT 1

AC CONVENIENCE

AWG12-BLUE
AWG12-BLACK
AWG12-YELLOW/GREEN

IEC MALE

AC CONVENIENCE

AC CONVENIENCE

AWG12-YELLOW/GREEN
GROUND POINT 2

CONVENIENCE OUTLETS

GROUND POINT 2

MODULE GROUND

H19 / 16

SK1

SK2

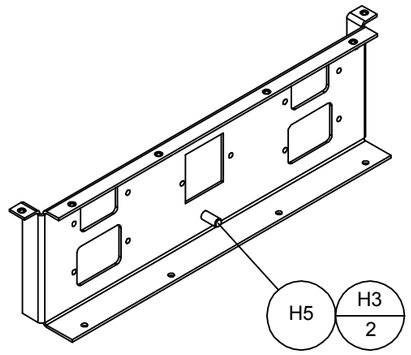
SK3

TERMINALES / TERMINALS

H7 / 17 — H8 / 8 — H9 / 8 — H18 / 1 — H19 / 16

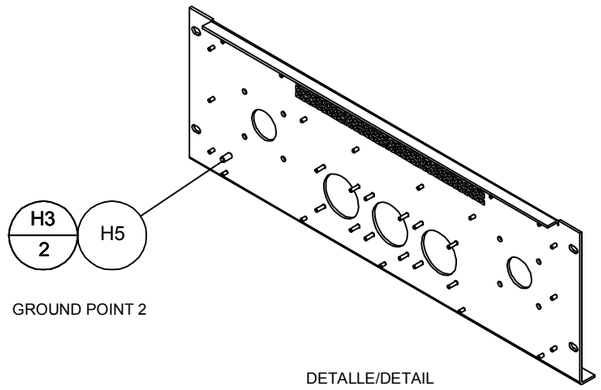
CABLES / WIRES

H1 — H10 — H11



GROUND POINT 1

DETALLE/DETAIL



GROUND POINT 2

DETALLE/DETAIL

NOTAS:

CONSULTAR DOCUMENTO MONTAJE 0063420001301DM00

NOTES:

REFER TO DOCUMENT 0063420001301DM00

indra	N DE PLANO *DRAWING NUM* 00634 2 00013 03		TIPO *TYPE* DE	ORD. 00	ED/RV A0
	CLASIFICACI N *CLASSIFICATION*		N CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* S / E	FORMATO *SIZE* A3	HOJA *SHEET* 2 / 2		

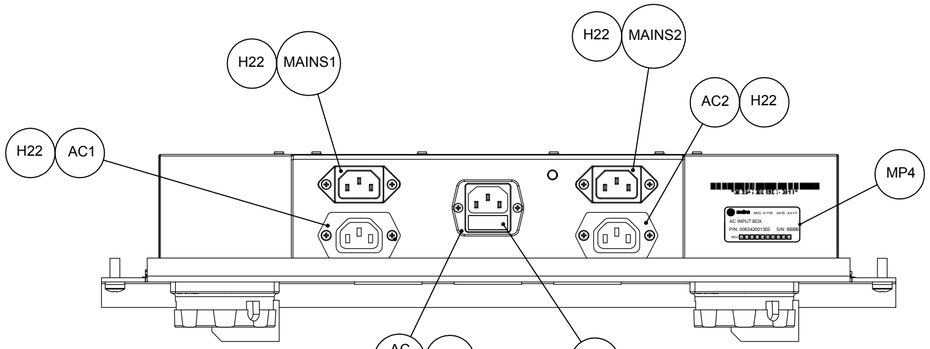
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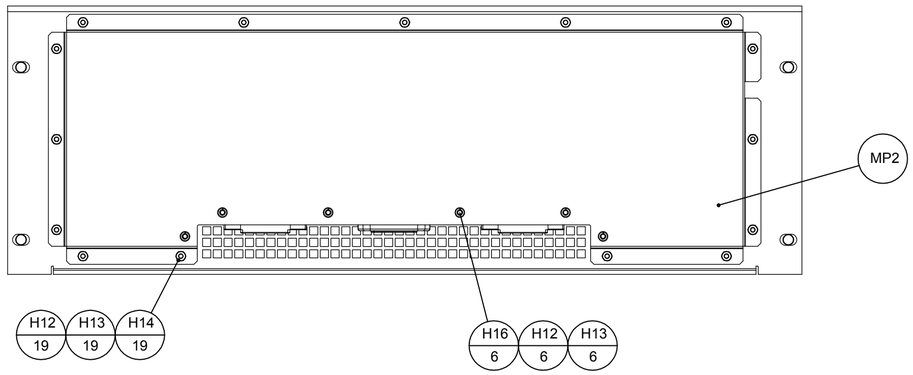
4.3.4 AC INPUT BOX UK [0063420001304]

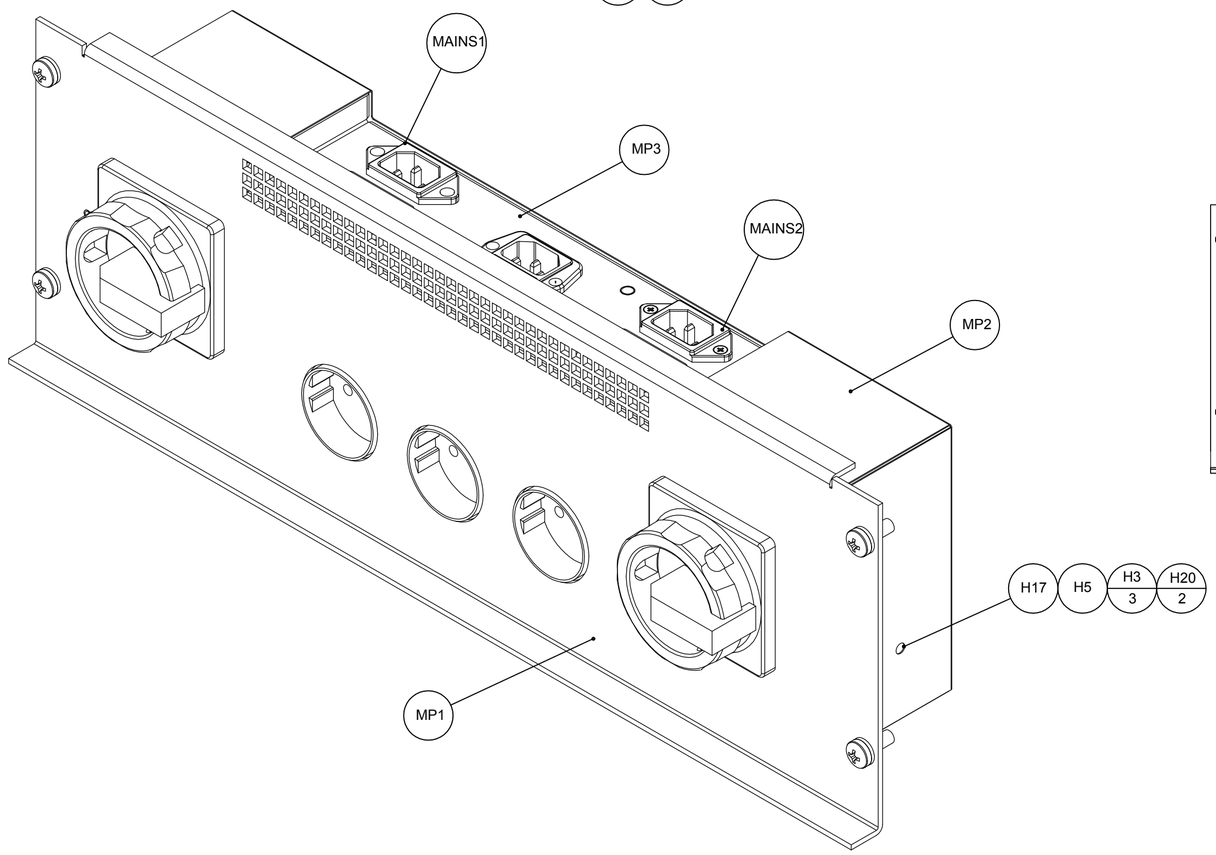
AC INPUT BOX drawings [0063420001304DE00]

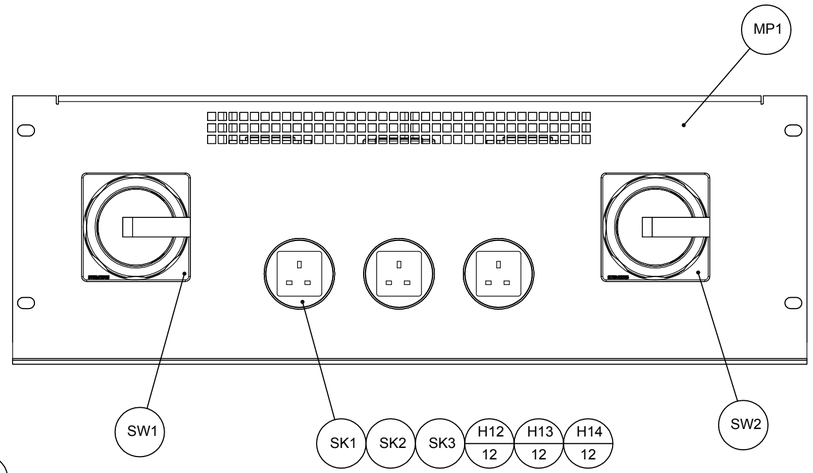
(2 pages attached).

ED/RV	MODIFICACIÓN *MODIFICATION*	DIBUJA *DRAWN*	FECHA *DATE*	ZONA *ZONE*
A0	PRIMERA EDICI N / FIRST EDITION	aspro	23-08-12	









NOTAS:
CONSULTAR DOCUMENTO MONTAJE 0063420001301DM00

NOTES:
REFER TO DOCUMENT 0063420001301DM00

ED/RV DE HOJAS *ED/RV OF SHEETS*						TOLERANCIAS GENERALES S/NORMA *GENERAL TOLERANCES P/NORME* ISO 2768-mK	MATERIAL *MATERIAL*	RUG.SUP. *ROUGHNESS*	DENOMINACION *TITLE* AC INPUT BOX [UK]			
18		12		6		ARISTAS MATADAS CON R.-0,3 O CHAFLANES DE 0,3x45 *BREAK ALL SHARP EDGES WITH R.-0.3 OR CHAMFER OF 0,3x45°*	TRATAMIENTO *TREATMENT*		INDRA SISTEMAS S.A. CAGE CODE 0177B / 0178B	N DE PLANO *DRAWING NUM*	TIPO *TYPE*	ORD.	ED/RV
17		11		5						00634 2 00013 04	DE	00	A0
16		10		4		LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD *CAD MAINTENANCE*	ACABADO *FINISH*					
15		9		3								
14		8		2	A0	MODEL:						
13		7		1	A0	CAD:						

	PREP. *PREP*	REV. *CHECK*	APROB. *APVD*	AUTO. *AUTH*	CLASIFICACI N *CLASSIFICATION*	N CONTRATO *CONTR. NUM*		
NOMBRE *NAME*	aspro	jlsbuendia	jblazquez	pbravo				
FECHA *DATE*	23-08-12	23-08-12	23-08-12	23-08-12	ESCALA *SCALE* S / E	FORMATO *SIZE* A2	HOJA *SHEET* 1 / 2	

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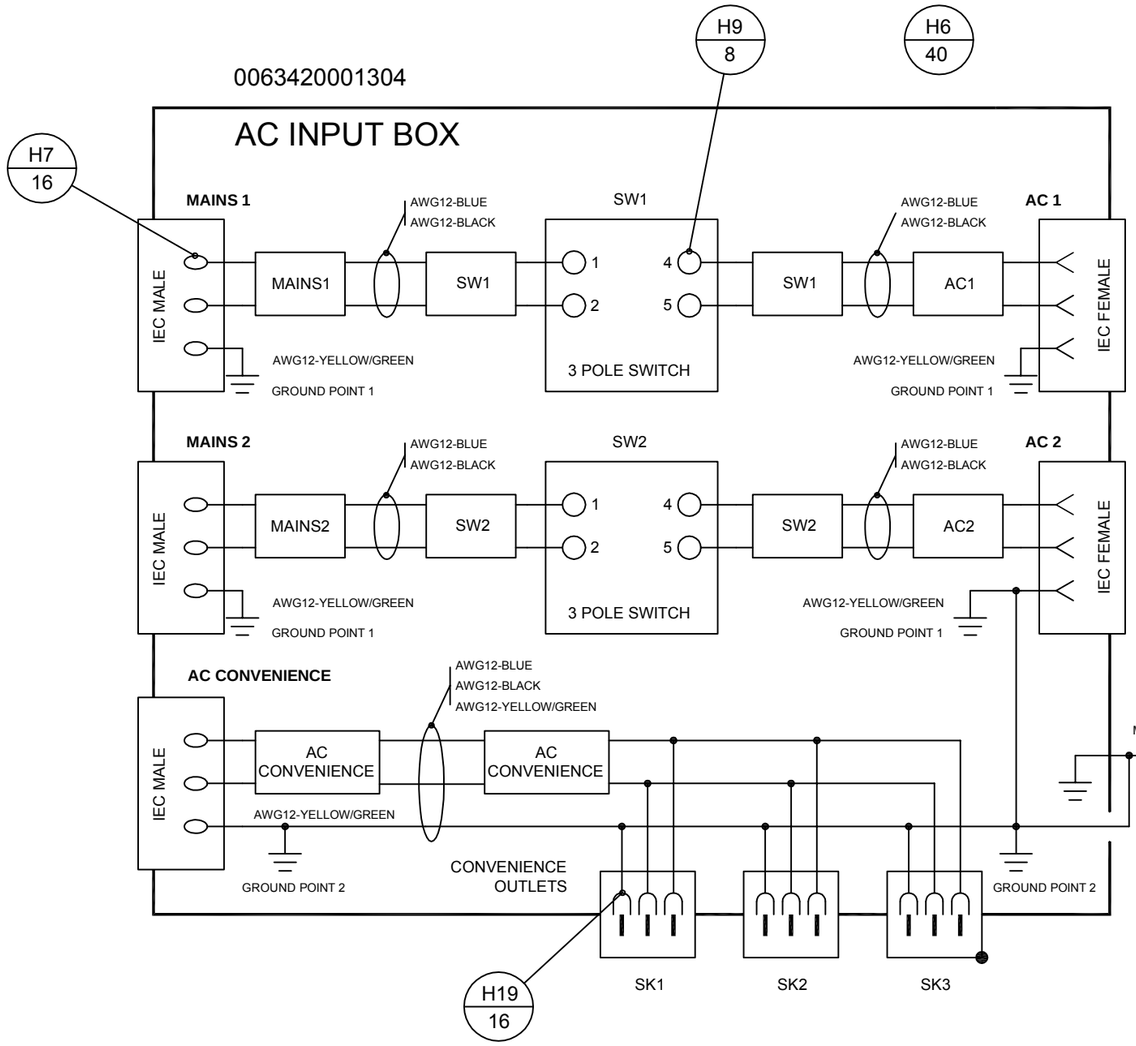
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09-06-08

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0063420001304

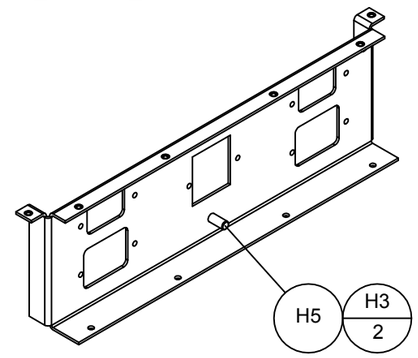


TERMINALES / TERMINALS

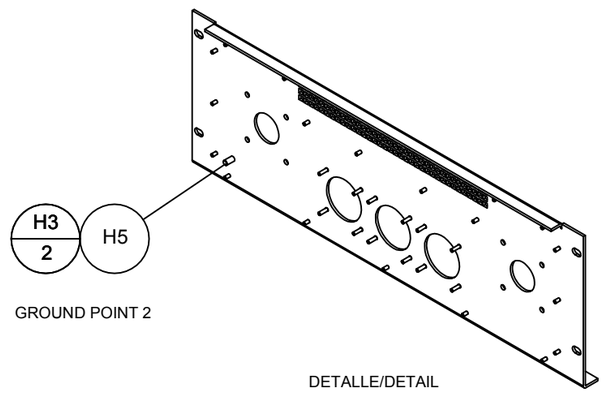
H7 17 · H8 8 · H9 8 · H18 1 · H19 16

CABLES / WIRES

H1 · H10 · H11



DETALLE/DETAIL



DETALLE/DETAIL

NOTAS:

CONSULTAR DOCUMENTO MONTAJE 0063420001301DM00

NOTES:

REFER TO DOCUMENT 0063420001301DM00

indra	N DE PLANO *DRAWING NUM* 00634 2 00013 04		TIPO *TYPE* DE	ORD. 00	ED/RV A0
	CLASIFICACI N *CLASSIFICATION*		N CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.					
CAGE CODE 0177B / 0178B	ESCALA *SCALE* S / E	FORMATO *SIZE* A3	HOJA *SHEET* 2 / 2		

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4.4 OUTPUT SAMPLE PANEL

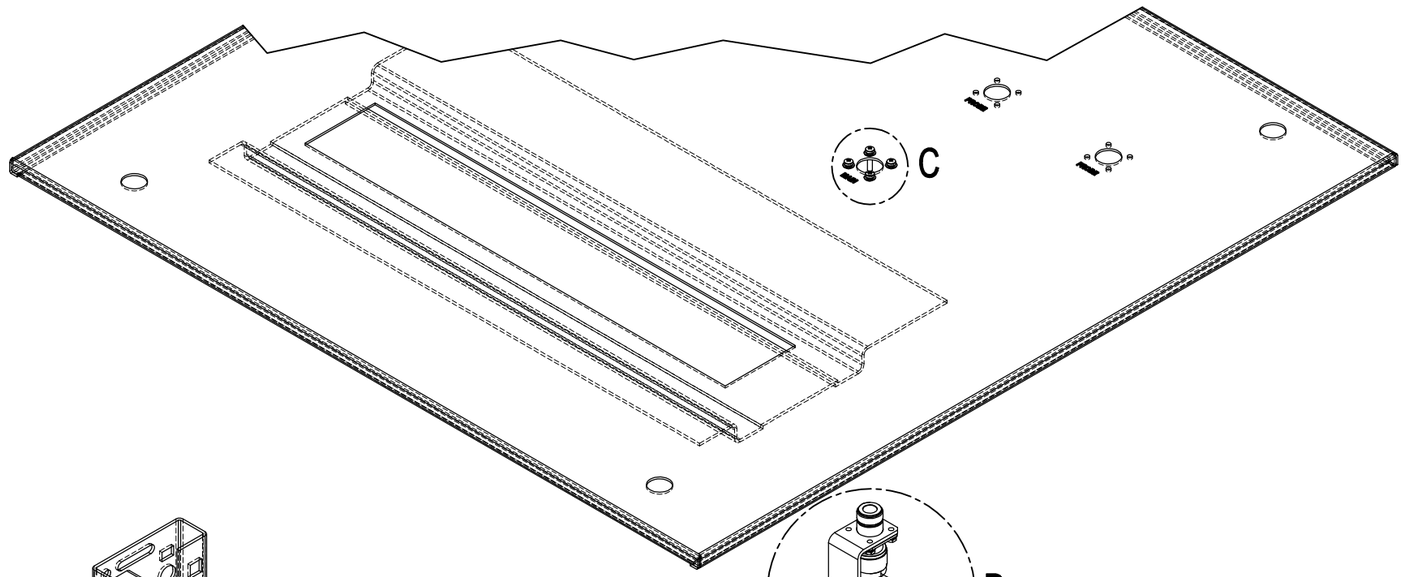
OUTPUT SAMPLE PANEL DRAWINGS [0063420008000DE00] A0

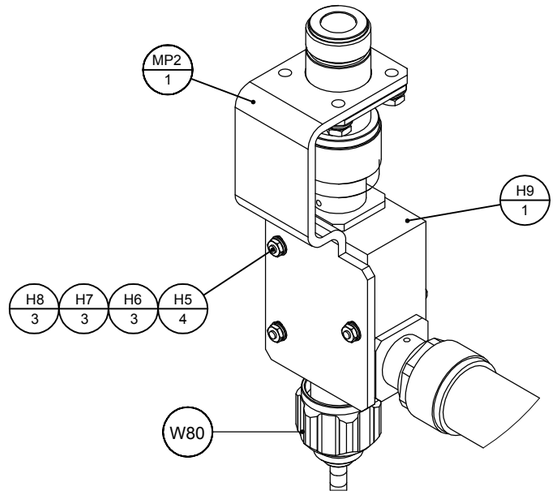
(2 pages attached)

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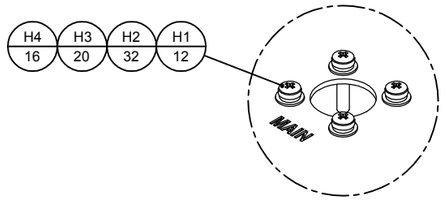
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ED/RV	MODIFICACI N *MODIFICATION*	DIBUJA *DRAWN*	FECHA *DATE*	ZONA *ZONE*
A0	PRIMERA EDICION	aspro	08-11-13	

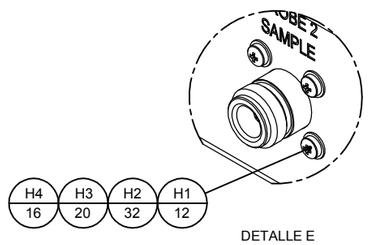




DETALLE D
DETAIL D
SCA1:1



DETALLE C
DETAIL C
SCA1:1



DETALLE E
DETAIL E
SCA1:1

NOTAS:

1.- PAR DE APRIETE TORNILLOS M2= 0.31Nm
2.- PAR DE APRIETE TORNILLOS M2.5= 0.77Nm
3.- PAR DE APRIETE TORNILLOS M3= 1.34Nm.
4.- PAR DE APRIETE TORNILLOS M6= 10.37Nm.

NOTES:

1.- M2 SCREW TORQUE= 0.31Nm
2.- M2.5 SCREW TORQUE= 0.77Nm
3.- M3 SCREW TORQUE= 1.34Nm.
4.- M6 SCREW TORQUE= 10.37Nm.

ED/RV DE HOJAS *ED/RV OF SHEETS*					
18		12		6	
17		11		5	
16		10		4	
15		9		3	
14		8		2	
13		7		1	A0

TOLERANCIAS GENERALES S/NORMA *GENERAL TOLERANCES P/NORME*
ISO 2768-mK

ARISTAS MATADAS CON R.-0,3 O CHAFLANES DE 0,3x45 *BREAK ALL SHARP EDGES WITH R.-0.3 OR CHAMFER OF 0,3x45°*

LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD *CAD MAINTENANCE*

MODEL:

CAD:

MATERIAL *MATERIAL*

RUG.SUP. *ROUGHNESS*

TRATAMIENTO *TREATMENT*
VER NOTAS
SEE NOTES

ACABADO *FINISH*
VER NOTAS
SEE NOTES

	PREP. *PREP*	REV. *CHECK*	APROB. *APVD*	AUTO. *AUTH*
NOMBRE *NAME*	aspro	garciaalcaniz	jblazquez	pbravo
FECHA *DATE*	08-11-13	08-11-13	08-11-13	08-11-13

INDRA SISTEMAS S.A.
CAGE CODE 0177B / 0178B

DENOMINACION *TITLE*
OUTPUT SAMPLES FRONT PANEL

N DE PLANO *DRAWING NUM*	TIPO *TYPE*	ORD.	ED/RV
00634 2 00008 00	DE	00	A0

CLASIFICACI N *CLASSIFICATION*		N CONTRATO *CONTR. NUM*	

ESCALA *SCALE*	1 / 2	FORMATO *SIZE*	A3	HOJA *SHEET*	1 / 1

FRM-A2-H1-INDRA
09-06-08

CODIGO	DESCRIPCION	FECHA	HOJA
0063420008000LM00	**OUTPUT SAMPLES FRONT PANEL**	21-nov-13	1/1

P	CODIGO	DESCRIPCION	TIPO	REF. TOP.	CANT	Ud	P/N FAB.	FABRICANTE	OBSERVACIONES
1	00634 8 00077 00	1U 19" Output Samples Front Panel	PM	MP1	1				
2	00634 8 00078 00	OUTPUT SAMPLE COUPLER BRACKET	PM	MP2	1				
3		TORNILLO ISO 7045 M3x10	H	H1	12				
4		ARANDELA PLANA ISO 7089 3	H	H2	32				
5		ARANDELA GROWER DIN 127 3	H	H3	20				
6		Tuerca hexagonal ISO 4035 M3	H	H4	16				
7		TORNILLO ISO 7045 M2x25	H	H5	4				
8		ARANDELA PLANA ISO 7089 2	H	H6	3				
9		ARANDELA PLANA ISO 7089 2	H	H7	3				
10		Tuerca hexagonal ISO 4035 M2	H	H8	3				
11		ACOPLADOR	H	H9	1				
12		TORNILLO ISO 7045 M6x16	H	H10	4				
13		ARANDELA PLANA ISO 7091 6	H	H11	4				
14	0063440001870	CABLE TEST PROBE 1 SAMPLE	W	W77	1				
15	0063440001880	CABLE TEST ANTENNA SAMPLE	W	W78	1				
16	0063440001890	CABLE TEST PROBE 2 SAMPLE	W	W79	1				
17	0063440001900	CABLE OUT	W	W80	1				

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4.5 LP TO HP KIT

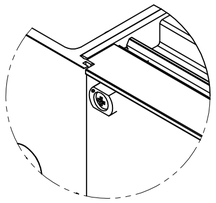
LP TO HP KIT DRAWINGS [0063420006900DE00] A0.

(2 pages attached).

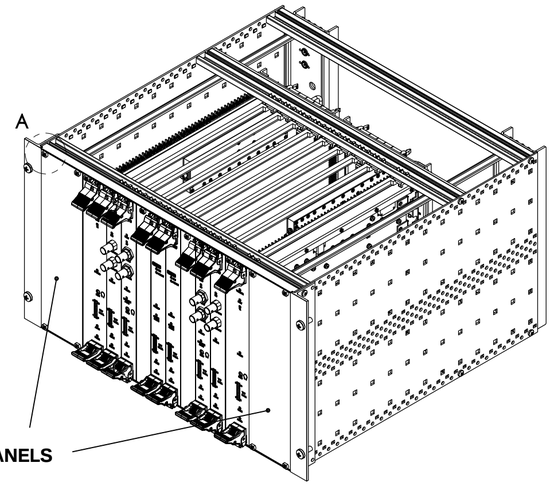
ED/RV	MODIFICACI N *MODIFICATION*	DIBUJA *DRAWN*	FECHA *DATE*	ZONA *ZONE*
A0	PRIMERA EDICI N / FIRST EDITION	aspro	18-06-12	

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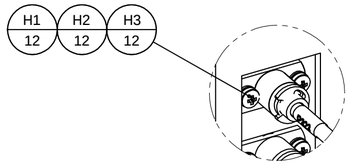
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DETALLE A
ESCALA 1 : 1

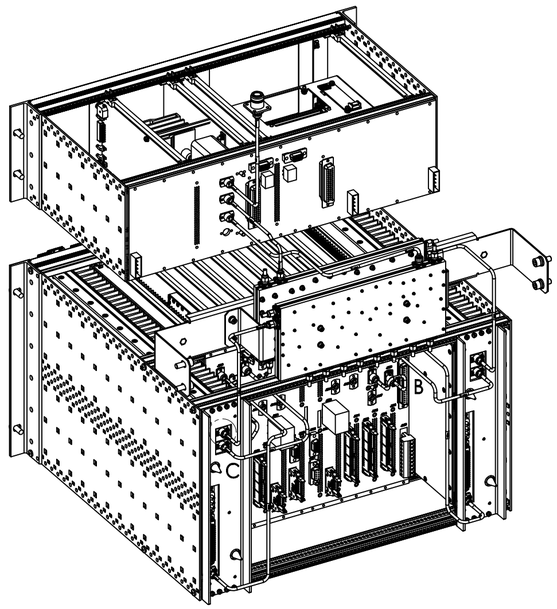


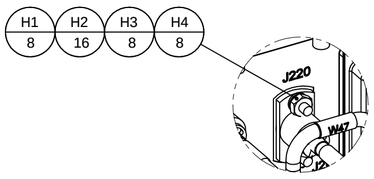
STEP 1 - REMOVE HPA BLANK PANELS



DETALLE C
ESCALA 1 : 1

x12 M2X10mm DIN 7985 + DIN 127 WASHER + DIN 125 WASHER





DETALLE B
ESCALA 1 : 1

x8 M2X10mm DIN 7985 + DIN 127 WASHER + 2 DIN 125 WASHER + DIN 934 NUT

LP TO HP KIT (HIGH POWER UPGRADE)

STEP 2 - REMOVE LP CABLES

0063440001560	Cable Assembly W46	J215	J219
0063440001590	Cable Assembly W49	J218	J4 RFS1
0063440001690	Cable Assembly W59	J315	J319
0063440001720	Cable Assembly W62	J318	J4 RFS2

STEP 3 - ASSEMBLY HP CABLES

006344000160O	Cable Assembly W50	J218	J221
0063440001610	Cable Assembly W51	J215	J222
0063440001620	Cable Assembly W52	J223	J4 RFS1
0063440001730	Cable Assembly W63	J318	J321
0063440001740	Cable Assembly W64	J315	J322
0063440001750	Cable Assembly W65	J323	J4 RFS2

NOTAS:
CONSULTAR DOCUMENTO DE INTERCONEXIÓN 0063410000100DI00

MONTAJE DEL LP TO HP KIT HIGH POWER UPGRADE :
1.- QUITAR PANELES CIEGOS HPA
2.- DESMONTAR CABLES W46, W49, W59 Y W62
3.- MONTAR CABLES W50, W51, W52, W63, W64 Y W65.
4.- CONECTAR MODULOS HPA.

NOTES:
REFER TO INTERCONECTION DOCUMENT 0063410000100DI00

LP TO HP KIT ASSEMBLY HIGH POWER UPGRADE :
1.- REMOVE HPA BLANK PANELS
2.- REMOVE W46, W49, W59 AND W62 CABLES
3.- ASSEMBLY W50, W51, W52, W63, W64 AND W65 CABLES
4.- PLUG IN HPA MODULES

ED/RV DE HOJAS *ED/RV OF SHEETS*					
18		12		6	
17		11		5	
16		10		4	
15		9		3	
14		8		2	A0
13		7		1	A0

TOLERANCIAS GENERALES S/NORMA *GENERAL TOLERANCES P/NORME*
ISO 2768-mK

ARISTAS MATADAS CON R.-0,3 O CHAFLANES DE 0,3x45 *BREAK ALL SHARP EDGES WITH R.-0.3 OR CHAMFER OF 0,3x45°*

LOS CAMBIOS REALIZADOS SOLO LO SERAN EN CAD *CAD MAINTENANCE*

MODEL:

CAD:

MATERIAL *MATERIAL*

TRATAMIENTO *TREATMENT*

RUG.SUP. *ROUGHNESS*

ACABADO *FINISH*

	PREP. *PREP*	REV. *CHECK*	APROB. *APVD*	AUTO. *AUTH*
NOMBRE *NAME*	aspro	jlsbuendia	jblazquez	pbravo
FECHA *DATE*	18-06-12	18-06-12	18-06-12	18-06-12

indra
INDRA SISTEMAS S.A.
CAGE CODE 0177B / 0178B

DENOMINACION *TITLE*
LP TO HP KIT HIGH POWER

N DE PLANO *DRAWING NUM*	TIPO *TYPE*	ORD.	ED/RV
00634 8 00069 00	DE	00	A0

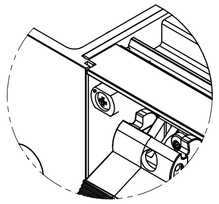
CLASIFICACI N *CLASSIFICATION*	N CONTRATO *CONTR. NUM*

ESCALA *SCALE* 1 / 5 | FORMATO *SIZE* A2 | HOJA *SHEET* 1 / 2

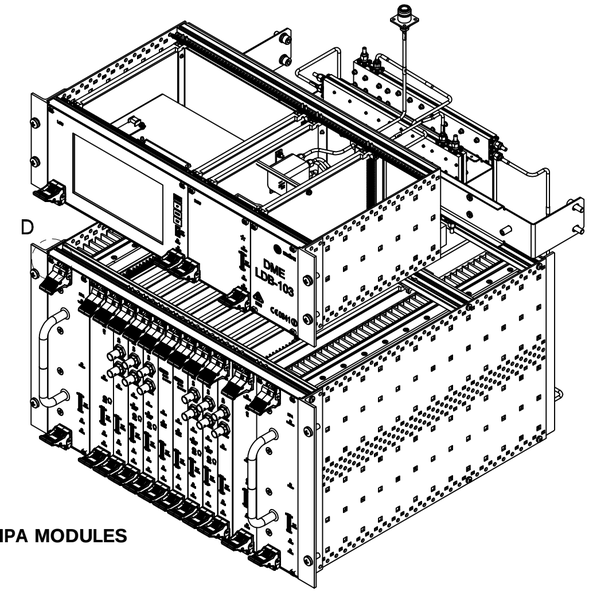
FRM-A2-H1-INDRA
09-06-08

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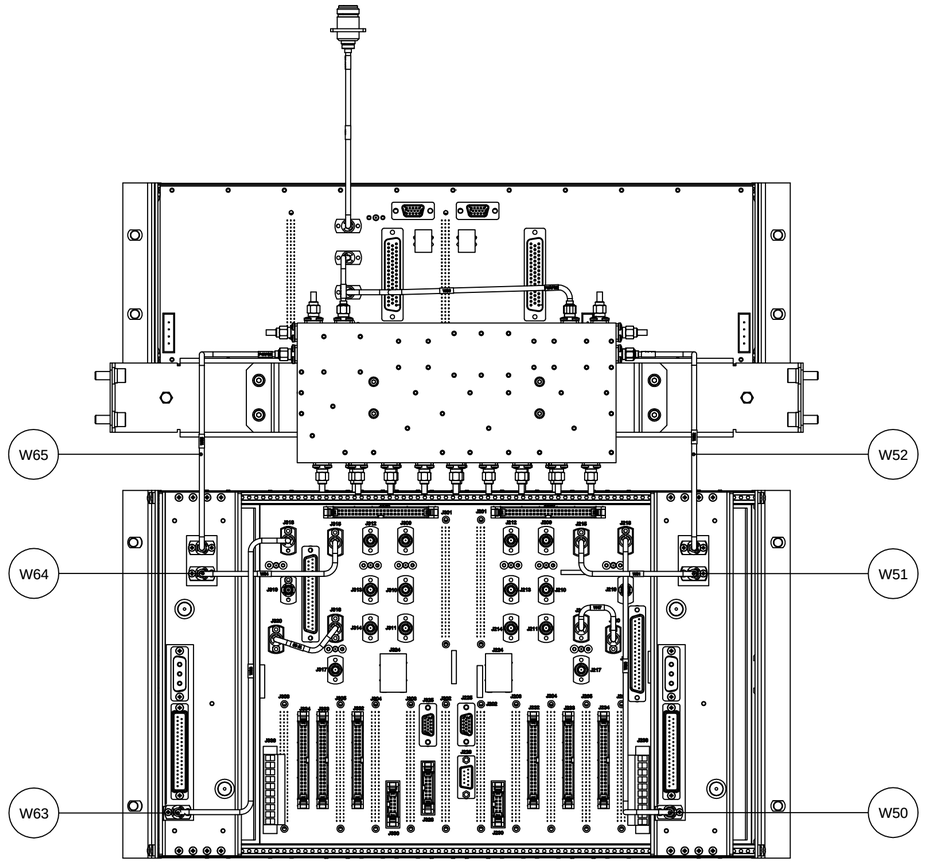
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DETALLE D
ESCALA 1 : 1



STEP 4 - PLUG IN HPA MODULES



STEP 2 - REMOVE LP CABLES

0063440001560	Cable Assembly W46	J215	J219
0063440001590	Cable Assembly W49	J218	J4 RFS1
0063440001690	Cable Assembly W59	J315	J319
0063440001720	Cable Assembly W62	J318	J4 RFS2

STEP 3 - ASSEMBLY HP CABLES

0063440001600	Cable Assembly W50	J218	J221
0063440001610	Cable Assembly W51	J215	J222
0063440001620	Cable Assembly W52	J223	J4 RFS1
0063440001730	Cable Assembly W63	J318	J321
0063440001740	Cable Assembly W64	J315	J322
0063440001750	Cable Assembly W65	J323	J4 RFS2

LP TO HP KIT (HIGH POWER UPGRADE)

indra	N DE PLANO *DRAWING N°* 00634 2 00069 00	TIPO *TYPE* DE	ORD. 00	ED RV A0
	CLASIFICACI N *CLASSIFICATION*	N CONTRATO *CONTR. NUM*		
INDRA SISTEMAS S.A.				
CAGE CODE 0177B / 0178B	ESCALA *SCALE* 1/5	FORMATO *SIZE* A2	HOJA *SHEET* 2 / 2	

FRM-A2-H1-INDRA