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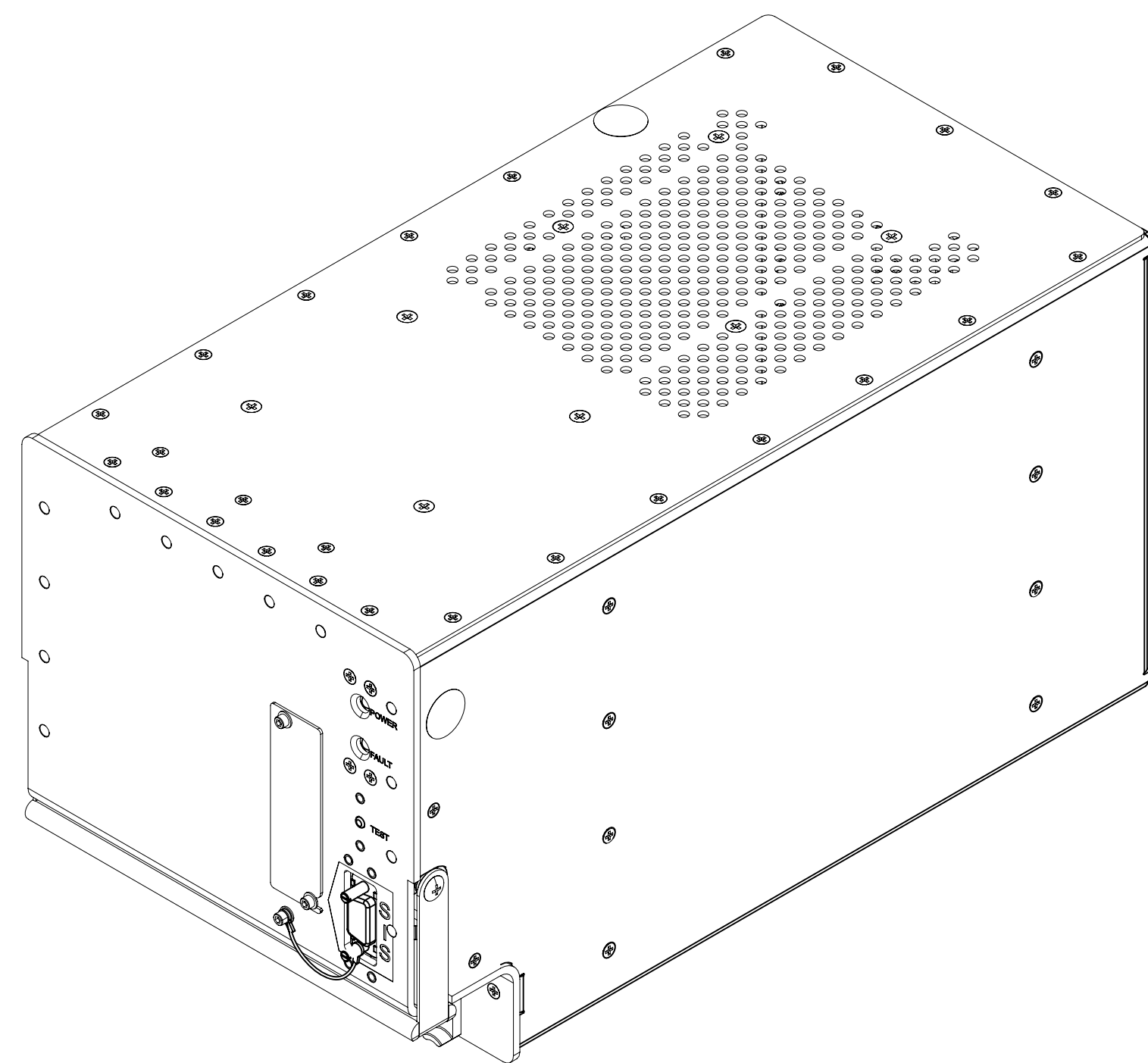
REVISIONS					
REV	DESCRIPTION	DATE	BY	APPD	APPD
A	ALPHA RELEASE PER ECR100723	29OCT10	PRM	N/A	N/A
B	UPDATED PER ECR110319	09JUN11	PRM		

NOTES:

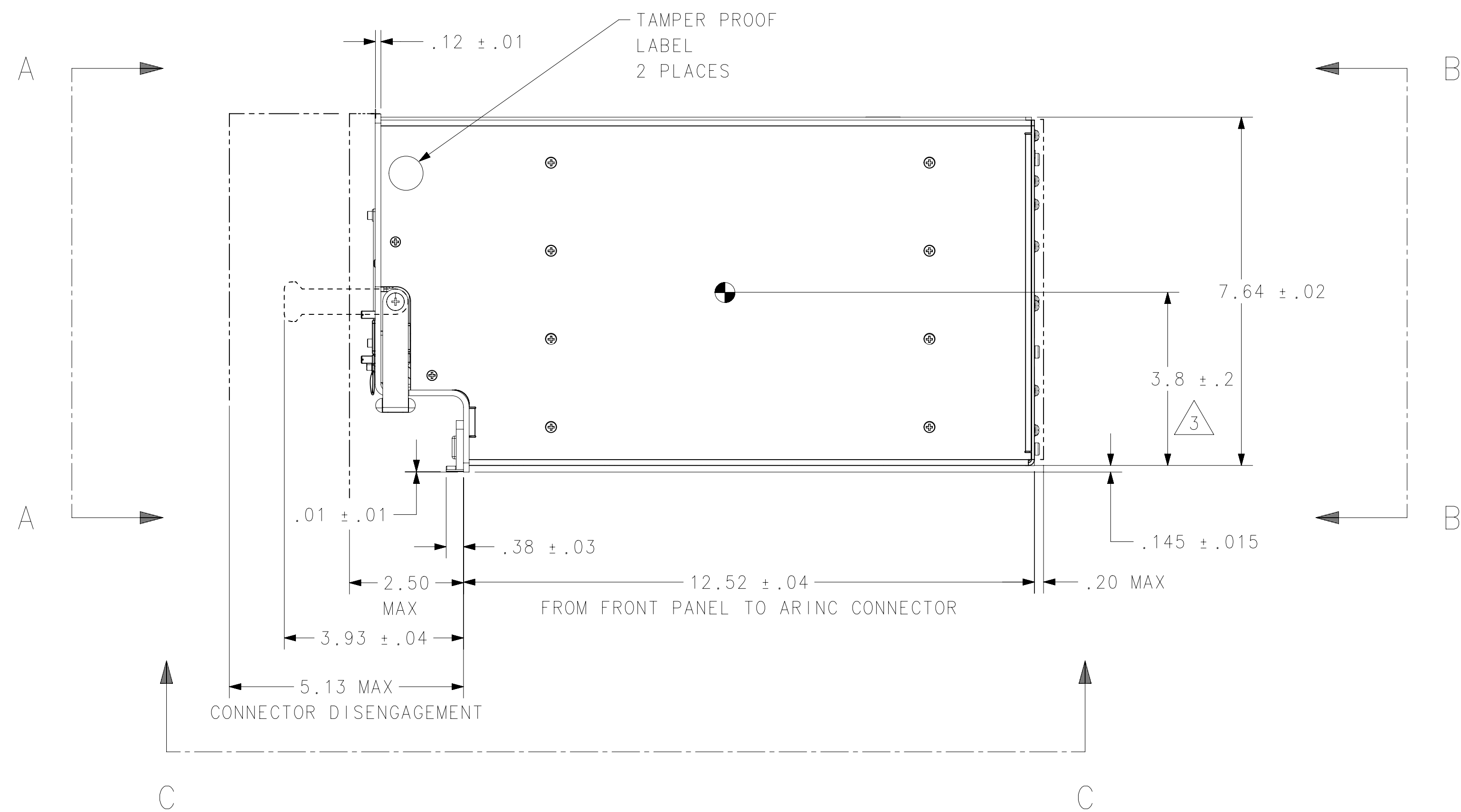
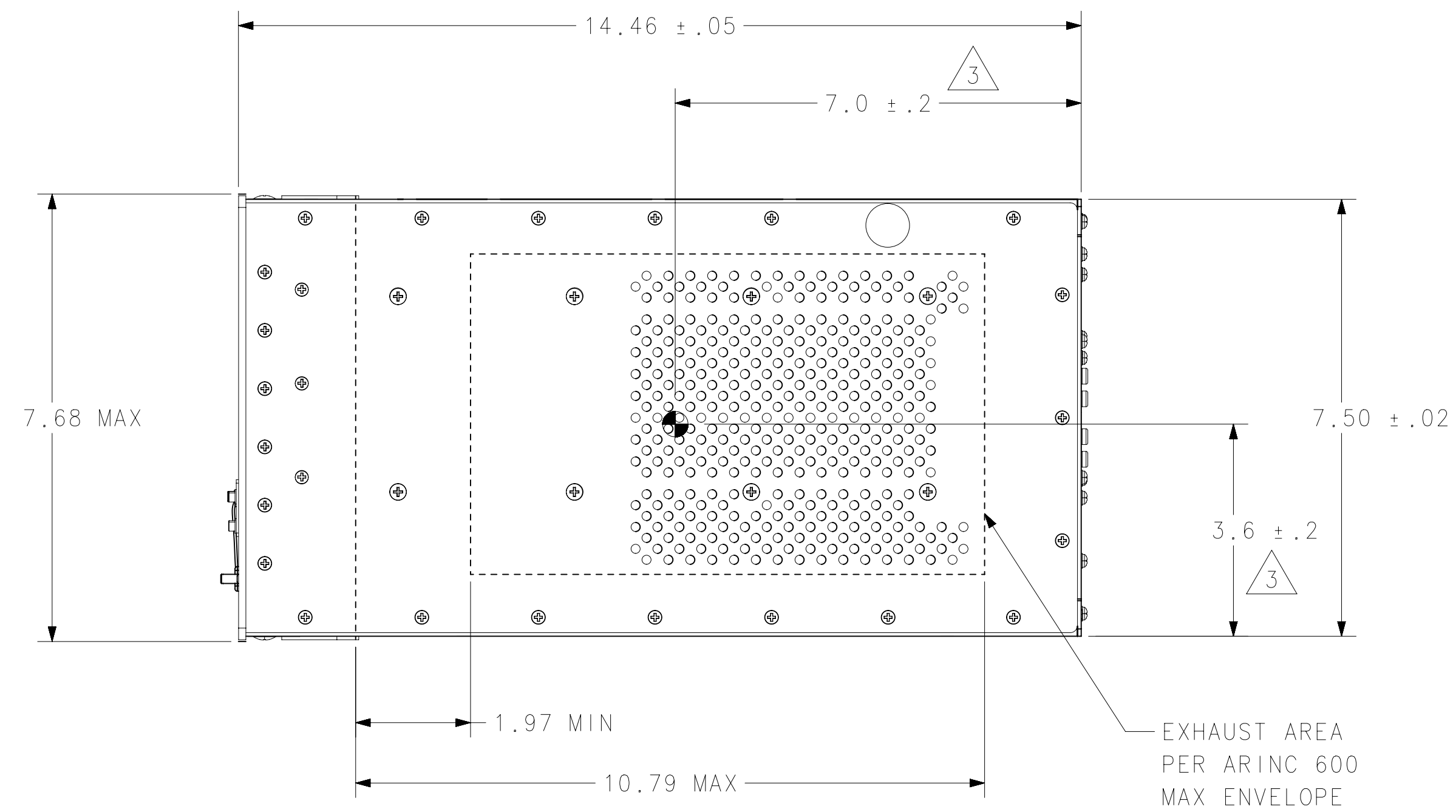
- THIS UNIT MEETS THE DIMENSIONAL REQUIREMENTS OF ARINC SPECIFICATION 600.
- MAXIMUM WEIGHT IS 8.2 KG (18.08 LBS).
- APPROXIMATE CENTER OF GRAVITY IS INDICATED BY
- THIS UNIT SHALL BE INSTALLED IN A 6 MCU TRAY PER ARINC 600 SPEC.
- POWER DISSIPATION IS 110W MAX.
- COOLING REQUIREMENTS PER ARINC 600:
 - FLOW RATE: 24kg/hr MAX;
 - PRESSURE DROP: 300+0/-50 Pa.
- FINISH:
 - METAL TREATMENT: CHEMICAL FILM PER MIL-DTL-5541, TYPE 11, CLASS 3
 - EXTERIOR FINISH: PRISM POWDER COAT PB134LT (POLYESTER POWDER, SATIN SANTEX BLACK)

NOTES APPLICABLE TO SHEET 3 INTERCONNECTION DIAGRAM

- CABLE LOSS HPA TO D/LNA (RFTX): 2.5dB MAXIMUM TO ANTENNA.
- CABLE LOSS D/LNA TO SDU (RFRX): 6-25dB.
- CABLE LOSS SDU TO HPA (RFTX): 8-11dB.
- CABLE BETWEEN SDU AND SCM TO BE LESS THAN 10 METERS. WIRE USED TO ROUTE SCM POWER (SCM PWR) MUST BE 22 AWG MINIMUM.
- IF THE NUMBER OF OTHER CONFIGURATION PINS IS EVEN, THEN STRAP CONFIGURATION PIN 3 (TP3F) TO SERVICE AVAILABILITY DISCRETE 1 (MP11E).
- P↓ DENOTES TWISTED PAIR.



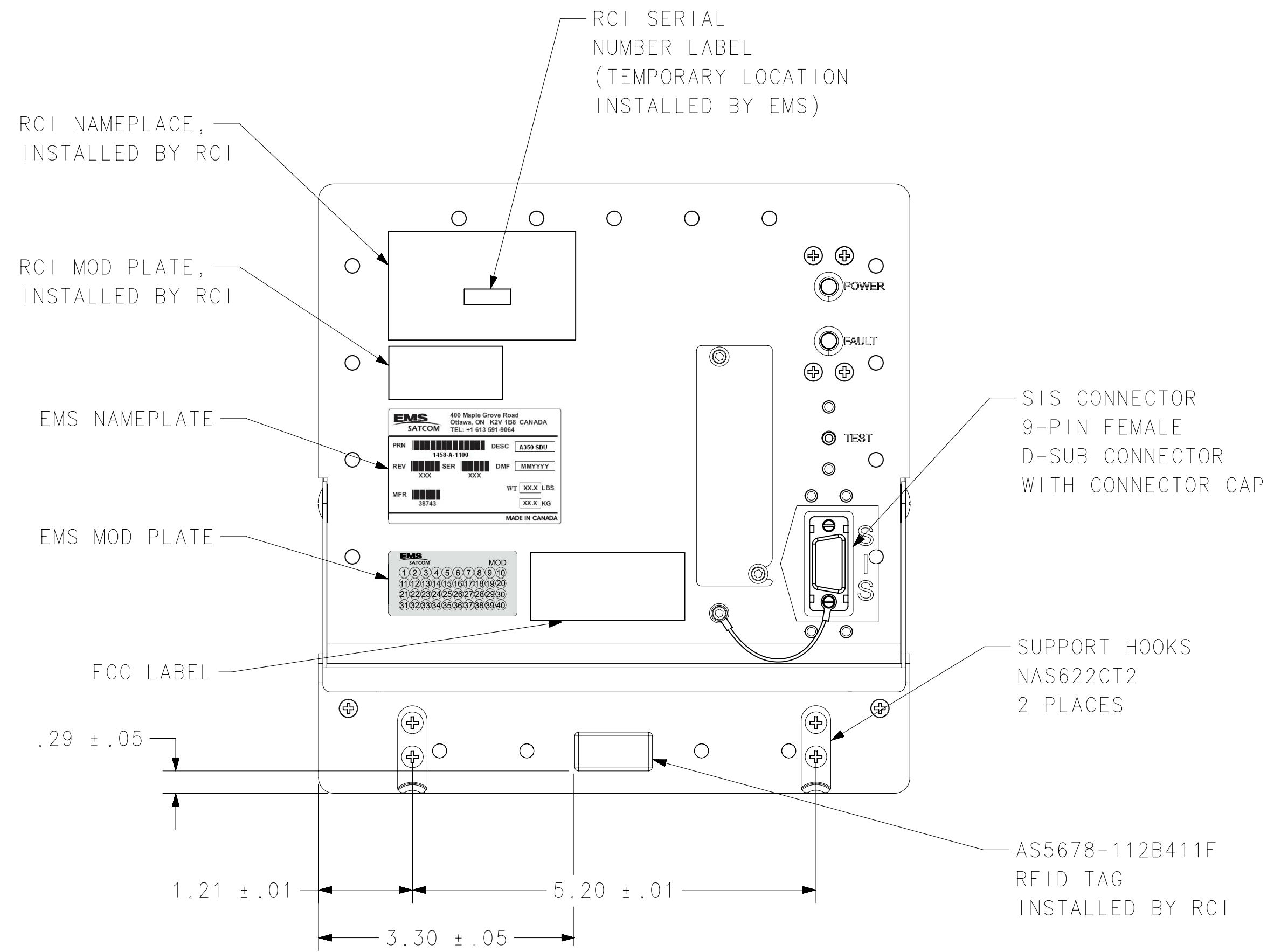
SCALE 1:2



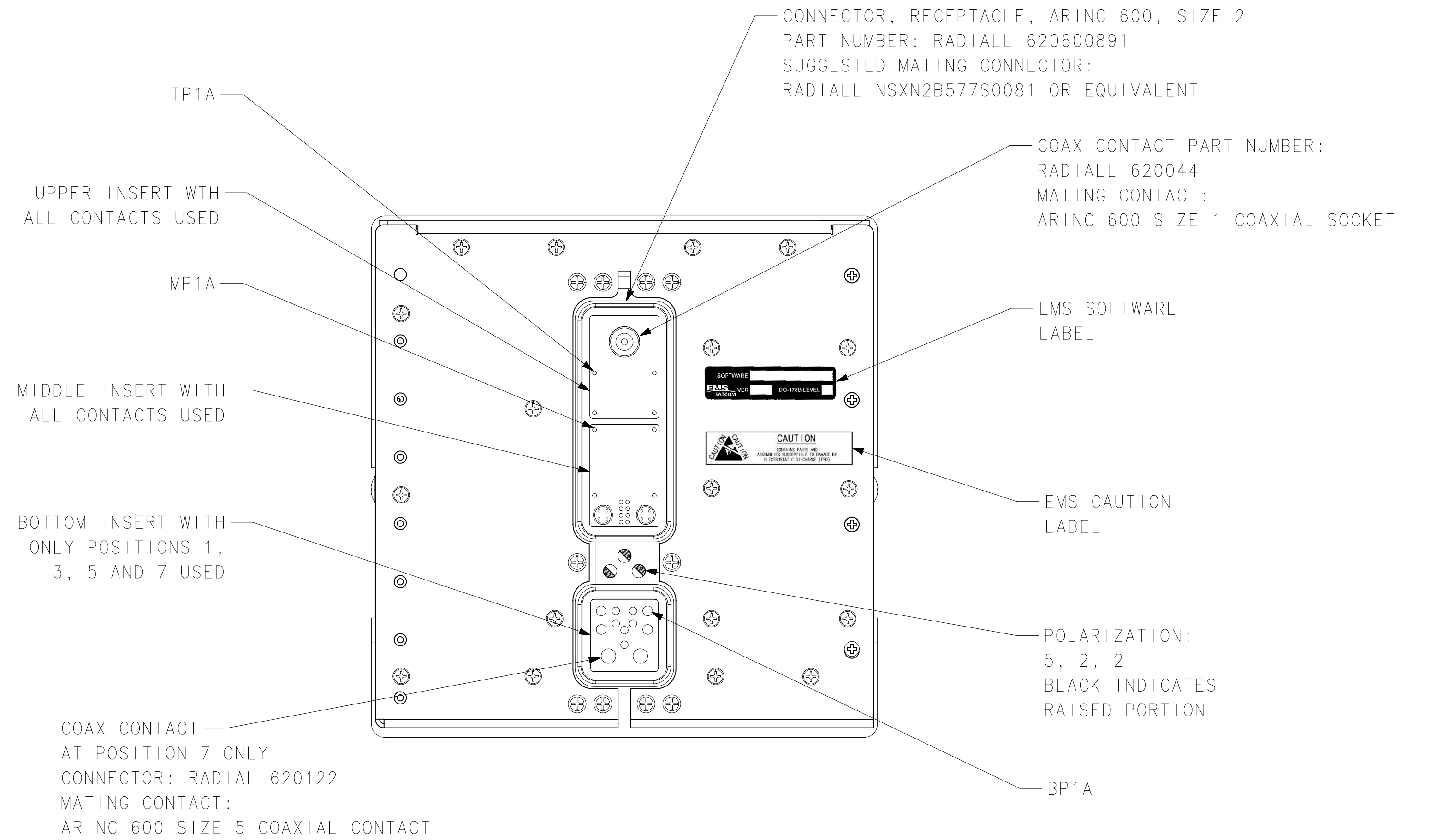
APPLICATION USED ON		DWG. LEVEL 2		CONTRACT/PROJECT A350 RC1	400 MAPLE GROVE ROAD OTTAWA, ONTARIO K2V 1B8	
ADDITIONAL APPROVALS		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVALS SIGN	DATE	TITLE
REA	P. MARCHAND	15DEC10	TOLERANCES ARE:	P. MARCHAND	01DEC08	OUTLINE & INSTALLATION DRAWING, A350 SDU
MASS			DECIMALS .XX ± .020	J. AZEVEDO	15DEC10	
ANTENNA			ANGLES 0 30'	P. MARCHAND	15DEC10	
THERMAL			SURFACES √ 64	D. MOFFATT	15DEC10	
SYSTEMS			DO NOT SCALE DRAWING	I. MILANOVIC	17DEC10	
OPTICAL			MATERIAL N/A	N. HIEN	14DEC10	
			FINISH N/A	S. MULDER	17DEC10	
				J. PEPE	12DEC10	

DWG No 1458-E-1100 REV B SH 1
 CAD SOFTWARE USED: NX 6

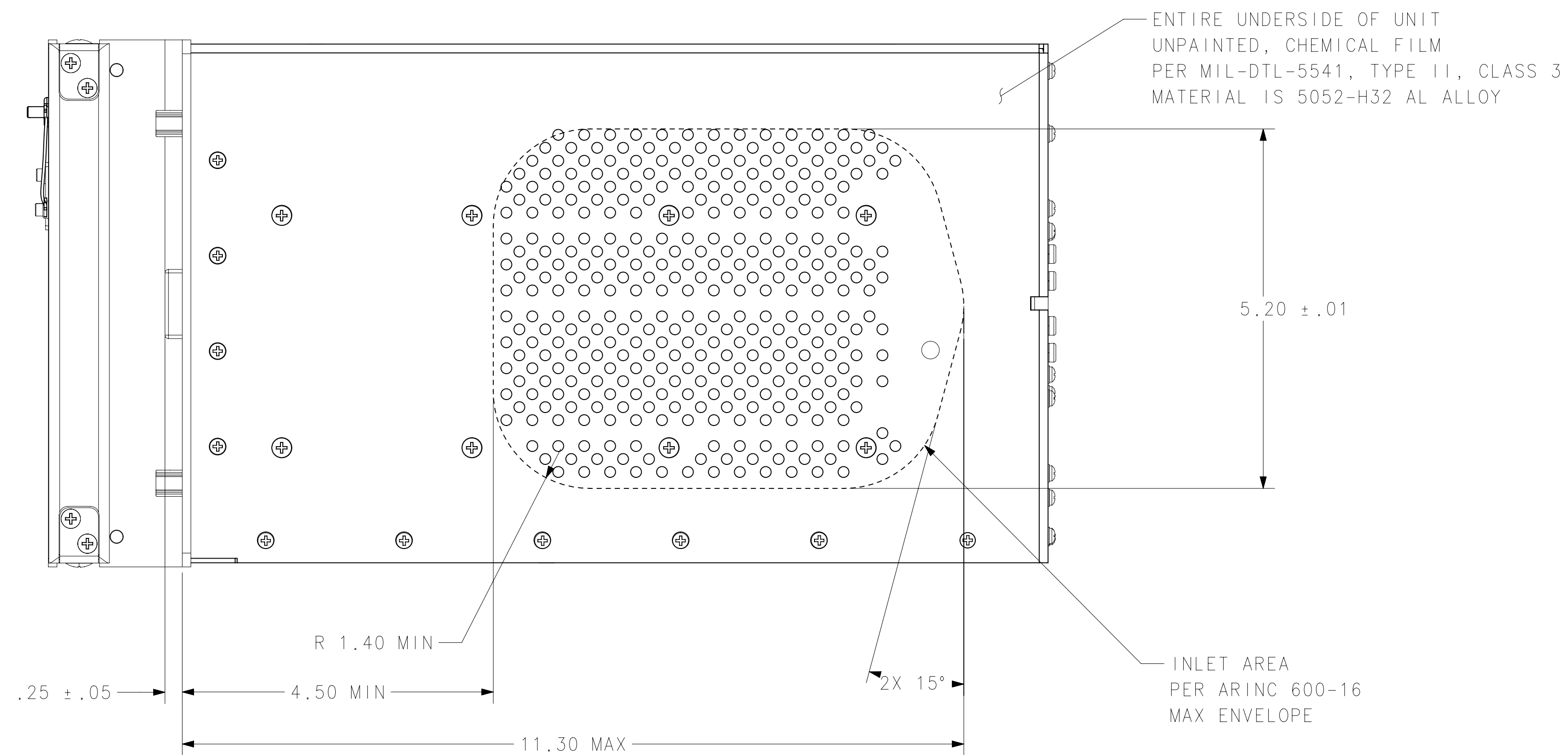
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VIEW A-A (FRONT)



VIEW B-B (BACK)

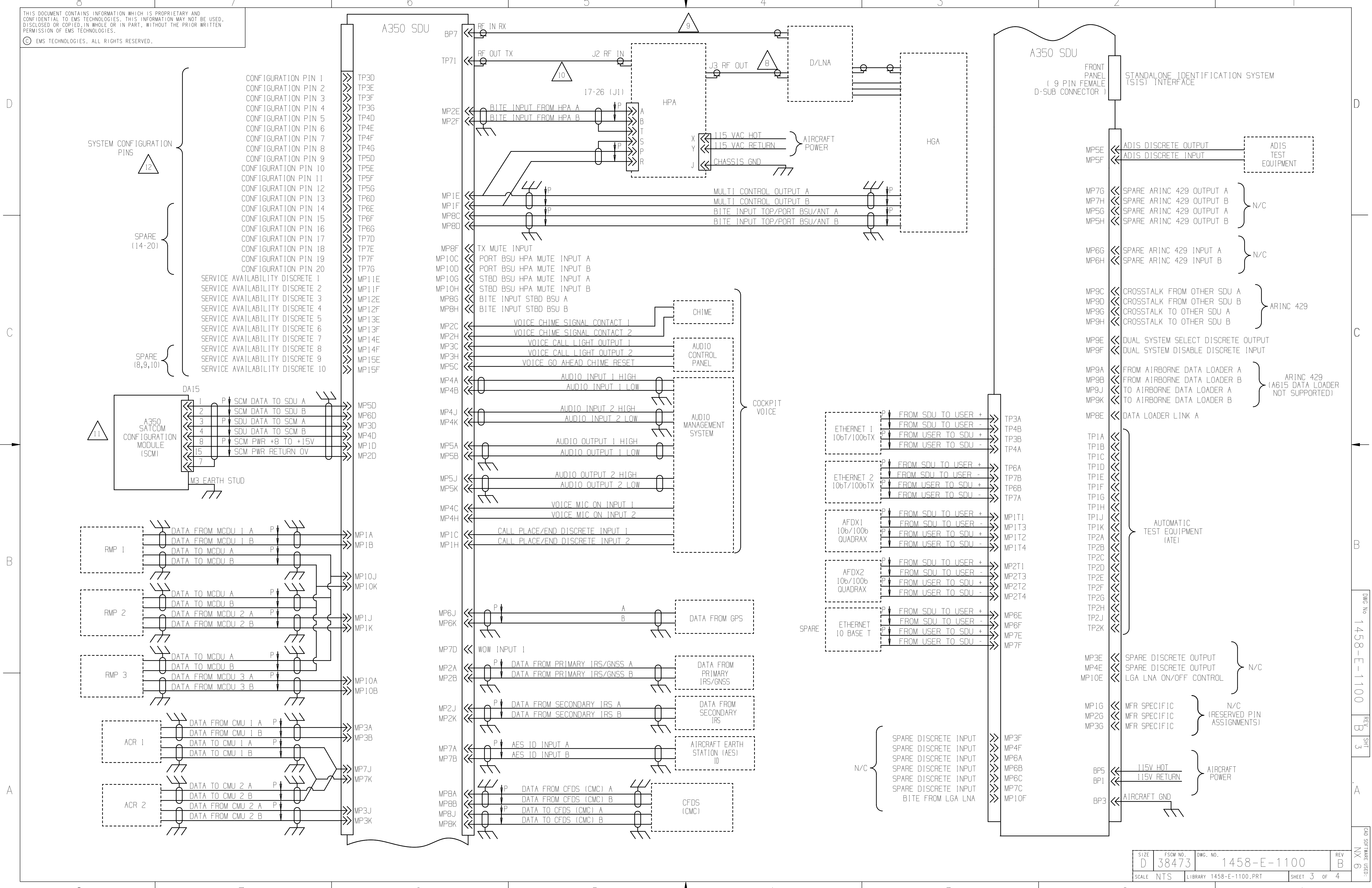


VIEW C-C (BOTTOM)

SIZE	FSCM NO.	DWG. NO.	REV
D	38473	1458-E-1100	B
SCALE	LIBRARY	SHEET	OF
3:4	1458-E-1100.PRT	2	4

DWG No 1458-E-1100
 REV B
 SHEET 2
 CAD SOFTWARE USED: NX 6

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SIZE	FSCM NO.	DWG. NO.	REV
D	38473	1458-E-1100	B
SCALE	LIBRARY	SHEET	OF
NTS	1458-E-1100.PRT	3	4

DWG No 1458-E-1100 REV B SHEET 3 OF 4
 ©2004 SOFTWARE (SDU) NX 6

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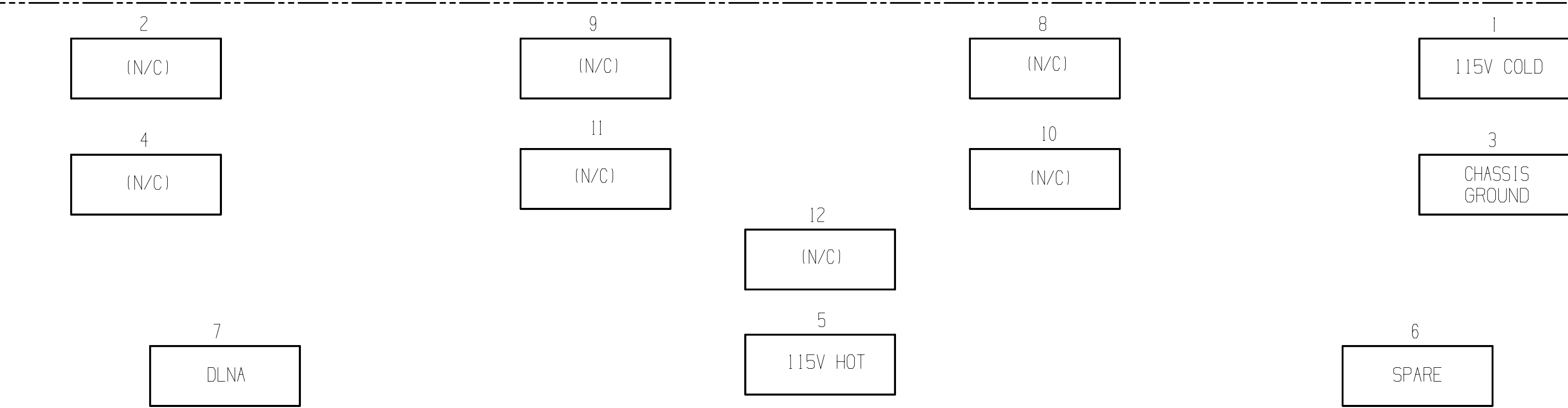
TP71
 RF TX
 TO FMPA OR DLNA

	A	B	C	D	E	F	G	H	J	K
1	RS232 ATE PIN 1 CPTXD	RS232 ATE PIN 2 CPRXD	RS232 ATE PIN 3 RTN	RS232 ATE PIN 4 DPTXD	RS232 ATE PIN 5 DPRXD	RS232 ATE PIN 6 RTN	RS232 ATE PIN 7 CC1TXD1	RS232 ATE PIN 8 CC1RXD1	RS232 ATE PIN 9 CC1TXD2	RS232 ATE PIN 10 CC1RXD2
2	STRAP ATE PIN 11 D/L SECURITY	STRAP ATE PIN 12 RTN	RS232 ATE PIN 13 RTN	RS232 ATE PIN 14 VPTXD	RS232 ATE PIN 15 VPRXD	RS232 ATE PIN 16 RTN	RS232 ATE PIN 17 CC2TXD	RS232 ATE PIN 18 CC2RXD	RS232 ATE PIN 19 CC3TXD	RS232 ATE PIN 20 CC3RXD
3	ETHERNET 1 FROM SDU TO USER +	ETHERNET 1 FROM USER TO SDU +	EMPTY CAVITY	CONFIG PIN 1	CONFIG PIN 2	CONFIG PIN 3	CONFIG PIN 4	SPARE	RESERVED	RESERVED
4	ETHERNET 1 FROM SDU TO SDU -	ETHERNET 1 FROM USER TO USER -	EMPTY CAVITY	CONFIG PIN 5	CONFIG PIN 6	CONFIG PIN 7	CONFIG PIN 8	SPARE	RESERVED	RESERVED
5	EMPTY CAVITY	EMPTY CAVITY	EMPTY CAVITY	CONFIG PIN 9	CONFIG PIN 10	CONFIG PIN 11	CONFIG PIN 12	SPARE	SPARE	SPARE
6	ETHERNET 2 FROM SDU TO USER +	ETHERNET 2 FROM USER TO SDU +	EMPTY CAVITY	CONFIG PIN 13 [SPARE]	CONFIG PIN 14 [SPARE]	CONFIG PIN 15 [SPARE]	CONFIG PIN 16 [SPARE]	SPARE	RESERVED	RESERVED
7	ETHERNET 2 FROM USER TO SDU -	ETHERNET 2 FROM SDU TO USER -	EMPTY CAVITY	CONFIG PIN 17 [SPARE]	CONFIG PIN 18 [SPARE]	CONFIG PIN 19 [SPARE]	CONFIG PIN 20 [SPARE]	SPARE	RESERVED	RESERVED

TOP PLUG

	A	B	C	D	E	F	G	H	J	K
1	DATA FROM RMP 1 A	DATA FROM RMP 1 B	CALL PLACE/END DISCRETE INPUT 1	SCM PWR +B TO +15V	MULTI-CONTROL OUTPUT A	MULTI-CONTROL OUTPUT B	RESV EXT RESET DISCRETE INPUT	CALL PLACE/END DISCRETE INPUT 2	DATA FROM RMP 2 A	DATA FROM RMP 2 B
2	DATA FROM PRIMARY IRS/GNSS A	DATA FROM PRIMARY IRS/GNSS B	COCKPIT VOICE CHIME SIGNAL CONTACT 1	SCM PWR RETURN OV	BITE INPUT FROM HPA A	BITE INPUT FROM HPA B	RESV MFR-SPECIFIC 0-28V DISCRETE OUTPUT	COCKPIT VOICE CHIME SIGNAL CONTACT 2	DATA FROM SECONDARY IRS A	DATA FROM SECONDARY IRS B
3	DATA FROM ACR 1 A	DATA FROM ACR 1 B	COCKPIT VOICE CALL LIGHT OUTPUT 1	SDU DATA TO SCM A	SPARE DISCRETE OUTPUT 1	SPARE DISCRETE INPUT 1	SPARE	COCKPIT VOICE CALL LIGHT OUTPUT 2	DATA FROM ACR2 A	DATA FROM ACR2 B
4	COCKPIT AUDIO INPUT 1 HIGH	COCKPIT AUDIO INPUT 1 LOW	COCKPIT VOICE MIC ON INPUT 1	SDU DATA TO SCM B	SPARE DISCRETE OUTPUT 2	SPARE DISCRETE INPUT 2	SPARE	COCKPIT VOICE MIC ON INPUT 2	COCKPIT AUDIO INPUT 2 HIGH	COCKPIT AUDIO INPUT 2 LOW
5	COCKPIT AUDIO OUTPUT 1 HIGH	COCKPIT AUDIO OUTPUT 1 LOW	COCKPIT VOICE GO AHEAD CHIME RESET 1	SDU DATA TO SDU A	ADIS DISCRETE OUTPUT	ADIS DISCRETE INPUT	SPARE 1 ARINC 429 OUTPUT A	SPARE 1 ARINC 429 OUTPUT B	COCKPIT AUDIO OUTPUT 2 HIGH	COCKPIT AUDIO OUTPUT 2 LOW
6	SPARE DISCRETE INPUT	SPARE DISCRETE INPUT	SPARE DISCRETE INPUT	SCM DATA TO SDU B	ETHERNET 5 10 BASE T [SPARE] FROM SDU TO USER +	ETHERNET 5 10 BASE T [SPARE] FROM SDU TO USER -	SPARE 1 ARINC 429 INPUT A	SPARE 1 ARINC 429 INPUT B	GPS ARINC 429 INPUT A	GPS ARINC 429 INPUT B
7	AES ID INPUT A	AES ID INPUT B	SPARE DISCRETE INPUT	WOW INPUT 1	ETHERNET 5 10 BASE T [SPARE] FROM USER TO SDU +	ETHERNET 5 10 BASE T [SPARE] FROM USER TO SDU -	SPARE 2 ARINC 429 OUTPUT A	SPARE 2 ARINC 429 OUTPUT B	DATA TO ACR 1 & 2 A	DATA TO ACR 1 & 2 B
8	DATA FROM CFDS A	DATA FROM CFDS B	BITE INPUT TOP/PORT BSU/ANT A	BITE INPUT TOP/PORT BSU/ANT B	DATA LOADER LINK A	TX MUTE INPUT	BITE INPUT INPUT STBD BSU A	BITE INPUT INPUT STBD BSU B	DATA TO CFDS A	DATA TO CFDS B
9	FROM AIRBORNE DATA LOADER A	FROM AIRBORNE DATA LOADER B	CROSSTALK FROM OTHER SDU A	CROSSTALK FROM OTHER SDU B	DUAL SYSTEM SELECT DISCRETE 1/0	DUAL SYSTEM DISABLE DISCRETE 1/0	CROSSTALK TO OTHER SDU A	CROSSTALK TO OTHER SDU B	TO AIRBORNE DATA LOADER A	TO AIRBORNE DATA LOADER B
10	DATA FROM RMP3 A	DATA FROM RMP3 B	PORT BSU HPA MUTE INPUT A	PORT BSU HPA MUTE INPUT B	LGA LNA ON/OFF CONTROL	BITE INPUT FROM LGA LNA	STBD BSU HPA MUTE INPUT A	STBD BSU HPA MUTE INPUT B	DATA TO RMP 1,2,3 A	DATA TO RMP 1,2,3 B
11	RESERVED	RESERVED	RESERVED	RESERVED	SERVICE AVAILABILITY DISCRETES 1	SERVICE AVAILABILITY DISCRETES 2	RESERVED	RESERVED	RESERVED	RESERVED
12	1		2		SERVICE AVAILABILITY DISCRETES 3	SERVICE AVAILABILITY DISCRETES 4	2		3	
13	AFDX1 ETHERNET FROM SDU TO USER +		AFDX1 ETHERNET FROM USER TO SDU +		SERVICE AVAILABILITY DISCRETES 5	SERVICE AVAILABILITY DISCRETES 6	AFDX2 ETHERNET FROM USER TO SDU +		AFDX2 ETHERNET FROM SDU TO USER -	
14	4		3		SERVICE AVAILABILITY DISCRETES 7	SERVICE AVAILABILITY DISCRETES 8	1		4	
15	AFDX1 ETHERNET FROM USER TO SDU -		AFDX1 ETHERNET FROM SDU TO USER -		SERVICE AVAILABILITY DISCRETES 9	SERVICE AVAILABILITY DISCRETES 10	2T		AFDX2 ETHERNET FROM SDU TO USER -	

MIDDLE PLUG



BOTTOM PLUG

CONTACT ASSIGNMENTS FOR J1 OF A350 SDU

VIEW SHOWN ON MATING FACE

DWG No 1458-E-1100
 REV B
 SH 4
 A
 CAD SOFTWARE USED: NX 6