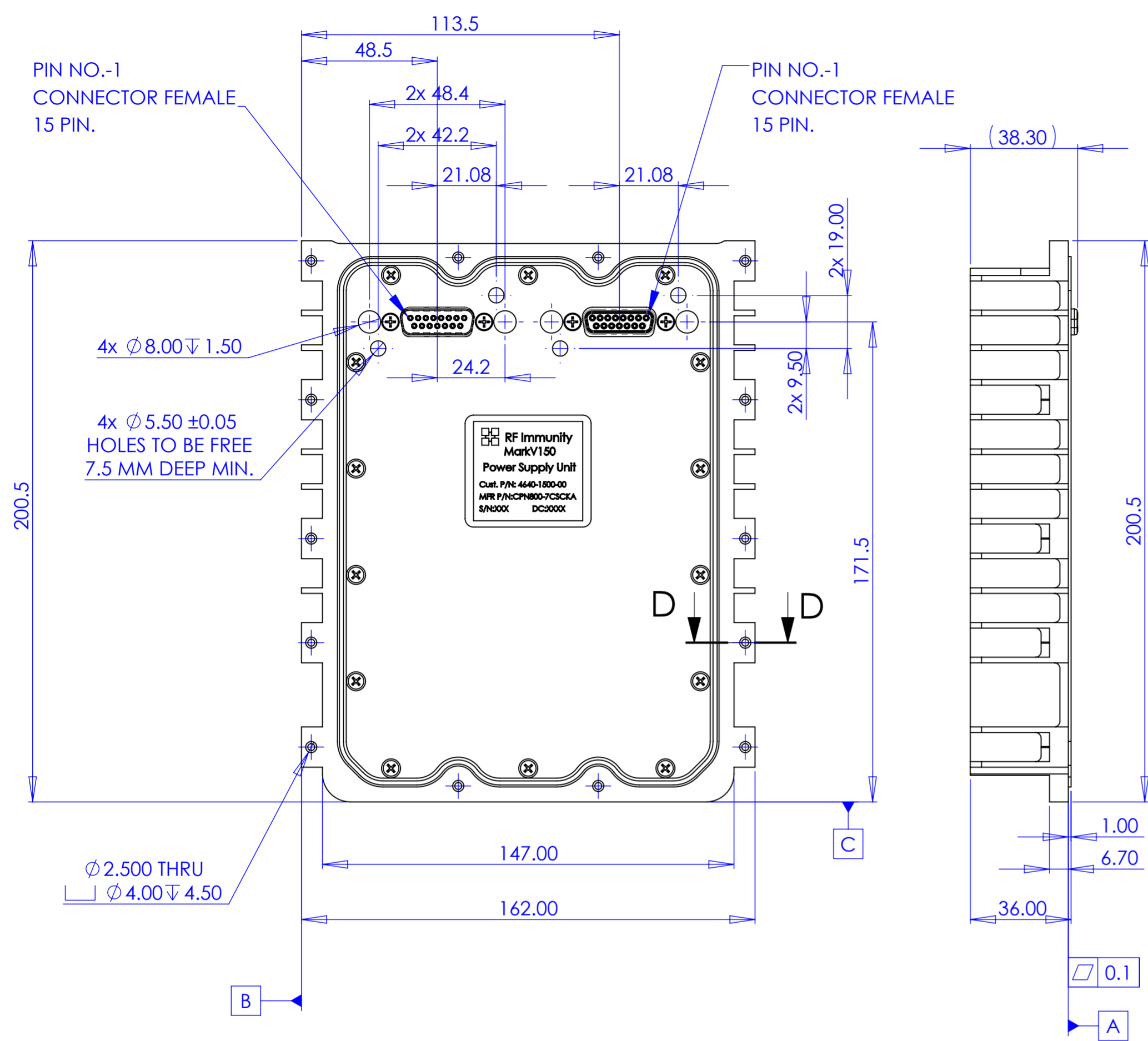
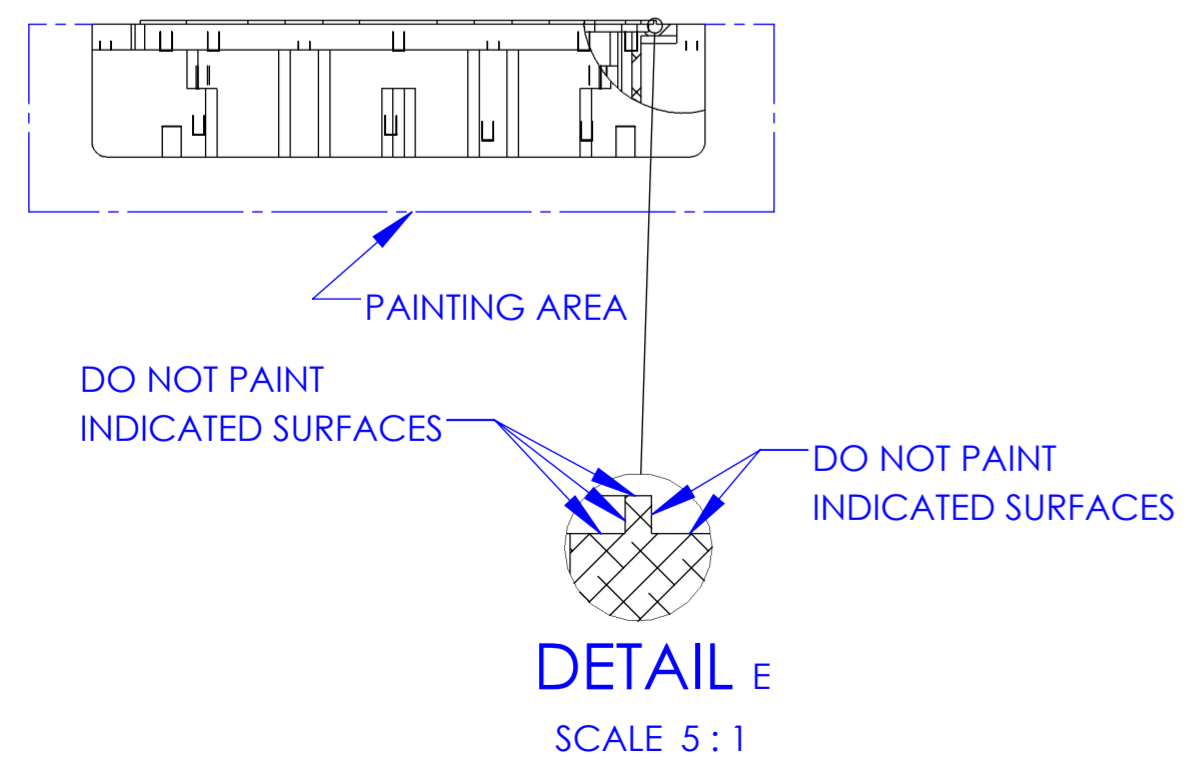
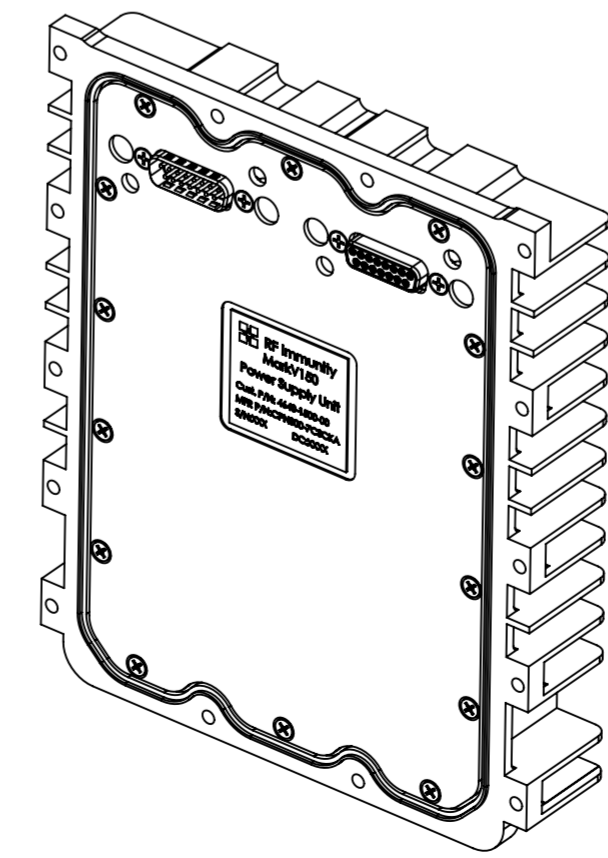
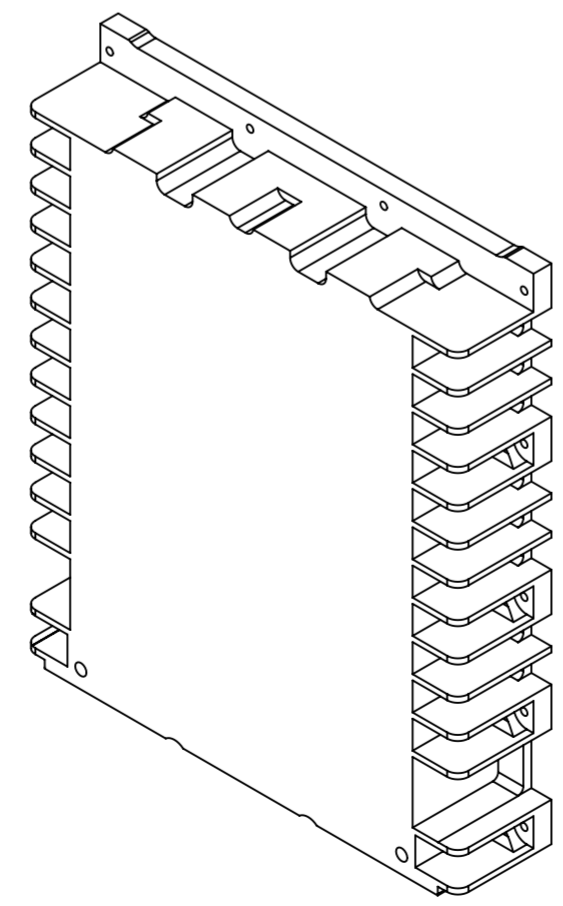
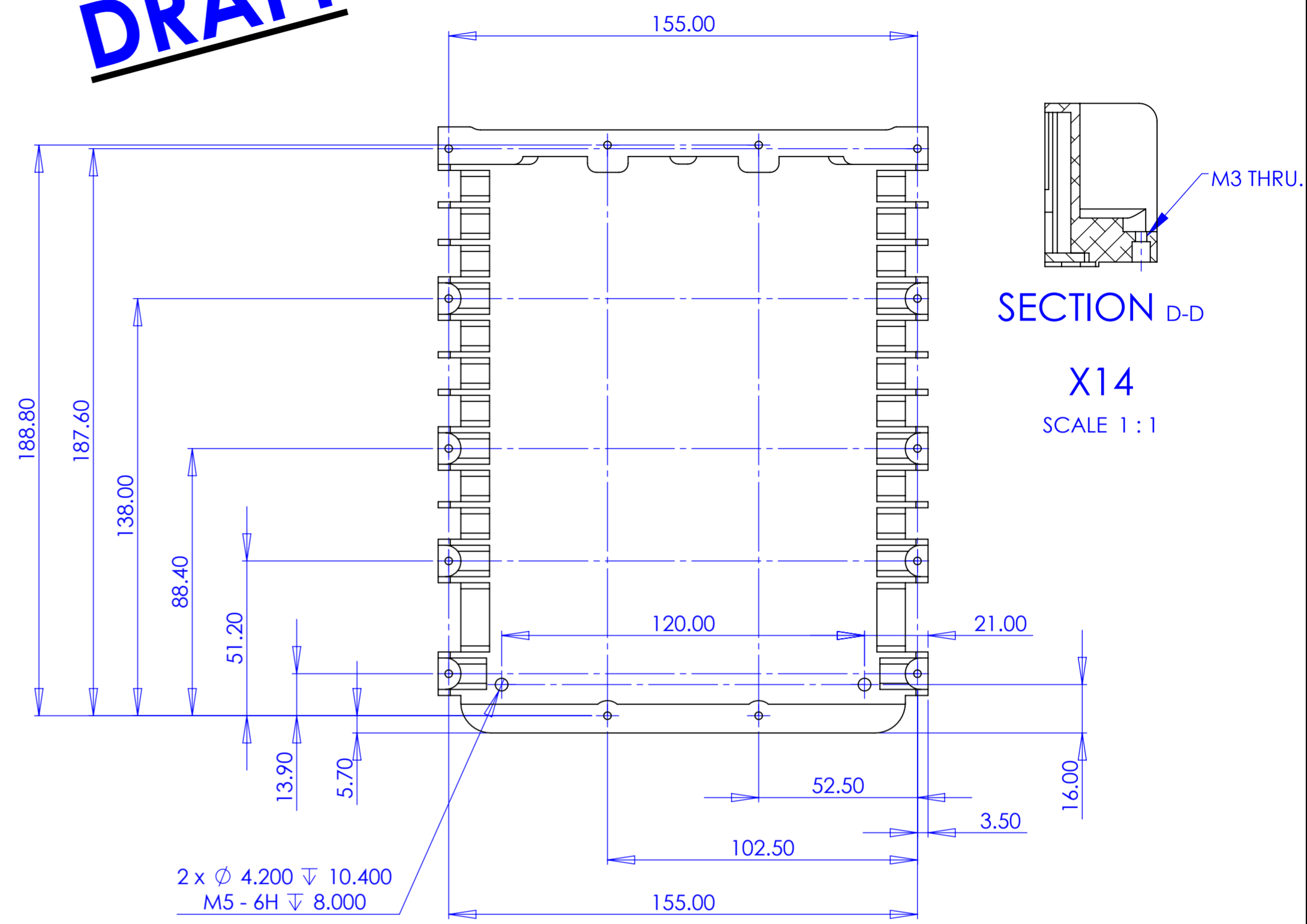


REV.	CHANGE ORDER No.	CHANGES	DATE	APPROVAL



DRAFT



ALL MISSING DIMENSIONS ARE PER: CUSTOMER DRAWING SD-4640-1500-00 REV-A AND CUSTOMER MODEL.

PRODUCT P/N: CPN800-7CSCKA

NAME	SIGNATURE	DATE		THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF RF IMMUNITY LTD. AND MAY NOT BE REPRODUCED, COPIED, DISCLOSED OR UTILIZED IN ANY WAY IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF RF IMMUNITY LTD.	PROJECT INS	
GABI LEVI		25/11/14	DRAFT			
LEONID		26/11/14	CHECK			
NIR NISSIM		26/11/14	DESIGN			
REGINA YOFFE		26/11/14	PA.			
NIR NISSIM		26/11/14	APPR.			
NEXT ASSY.	SURF. FINISH			DO NOT MEASURE ON DWG. BREAK SHARP CORNERS. ALL UNDIMENSIONED RADIUS ARE R=0.5		
XXXXX	N7			MATERIAL		
SURFACE TREATMENTS:						

ANGLE PROJECTION	TOLER.	TITLE	SCALE	N.A.	ANGLES	SHEET	OF	SIZE	DRAWING NO.	REV.
	X. ± 0.5 X.X ± 0.15 X.XX ± 0.05	RF POWER LINE PROTECTION FILTER AND REGULATED			$\pm 30'$	1	2	A2	DD000973	3

REV.	CHANGE ORDER No.	CHANGES	DATE	APPROVAL

1. Pin out

a. Input Connector : D Sub 15 pin Male

	+Vin	-Vin	SD	GND
Pins	1, 2, 9	7, 8, 15	5	12

b. Output Connector : D Sub 15 pin Female

	+Vout	-Vout	GND
Pins	3, 10, 11	6, 13, 14	12

2. Electrical Specifications:

- Input Working Voltage: 18V To 32V
- Input Transient Voltage:
 - MIL-STD-1275D: +100V@50msec@0.5O source impedance
±250Vpk@50usec@15mj
4Vp-p Ripple @ Input Voltage - 25V to 30V
6V @1 sec Crank Surge
16V @30sec Crank Surge
100msec Interrupt Input Voltage
 - MIL-STD-704A: +80V@100msec@0.5O source impedance
±600Vpk@10usec Spike
2Vrms Ripple
50msec Interrupt Input Voltage
 - RTCA-160D: +80V@100msec@0.5O source impedance
+48V@1sec Surge
±600Vpk@10usec Spike
4Vp-p Ripple
12V @7sec Crank Surge
100msec Interrupt Input Voltage
- Output Working Voltage: 24Vdc±5%
- Output Working Power: 50W max.
- Power Dissipation: 15W max@ Vin = 18V
8W nom@ Vin = 25÷30V
- Transient Power Dissipation: 500W@50msec
- Insulation:
 - Input to Chassis: 1500Vdc@1sec
 - Output to Chassis: 1500Vdc@1sec
- Quiescent Current: 20mA@ Vin=24V
- Reverse Voltage Protection: 0 To (-36V)
- Response Time: ton=40msec@Vin=0V to Vin=28V
- Electromagnetic Emission and Susceptibility:
 - Per MIL-STD-461E
CE101, CE102
CS101, CS114, CS115, CS116
RE101, RE102
RS101, RS103

3. Environmental Characteristics

- Working Temperature: (-40)°C – (+71)°C at Baseplate
- Storage Temperature: (-40)°C – (+80)°C Ambient
- Vibration: 6g RMS, 20-2000Hz@1Hr./axys
- Shock: 40g x 11 msec
- MTBF: TBD

MATERIAL AND FINISHES:

1. MATERIAL:AL. ALLOY 6061-T6/T651 PER AMS QQ-A-250/11 OR AMS QQ-A-225/8.
2. SURFACE FINISH:CHIMICAL CONVERSION COATING PER MIL-C-5541,CLASS 3, CLEAR.
3. PAINT :EXTERNAL SURFACES INDICATED. (DO NOT PAINT THREADS,CONNECTORS AND MARKED SURFACES)
PRIMER:EPOXY PER MIL-P53022 TYPE-II.
TOP COAT:POLYURETHANE PER MIL-PRF-85285, GREY COLOR, SEMI GLOSS, NO. 26250 PER FED-STD-5985.

DRAFT

NAME SIGNATURE	DATE		THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF RF IMMUNITY LTD. AND MAY NOT BE REPRODUCED, COPIED, DISCLOSED OR UTILIZED IN ANY WAY IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF RF IMMUNITY LTD.	
GABI LEVI	25/11/14	DRAFT		
LEONID	26/11/14	CHECK		
NIR NISSIM	26/11/14	DESIGN		
REGINA YOFFE	26/11/14	PA.		
NIR NISSIM	26/11/14	APPR.		
NEXT ASSY.	SURF. FINISH		DO NOT MEASURE ON DWG. BREAK SHARP CORNERS. ALL UNDIMENSIONED RADIUS ARE R=0.5	PROJECT
XXXXX	N7			INS
SURFACE TREATMENTS:			MATERIAL	
ANGLE PROJECTION	TOLER.		TITLE RF POWER LINE PROTECTION FILTER AND REGULATED	
	X. ±0.5			
	X.X ±0.2			
	X.XX ±0.05			
SCALE	N.A.	ANGLES ±30'	SIZE	DRAWING NO.
DIM. IN	MM	SHEET OF	2 OF 2	A2
				DD000973
				3