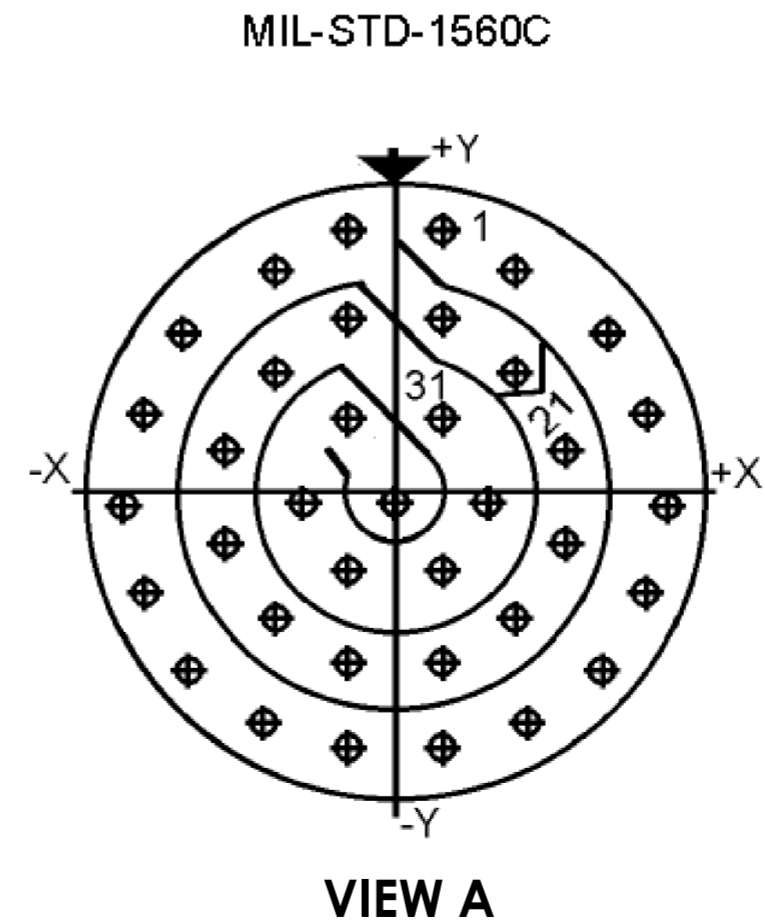
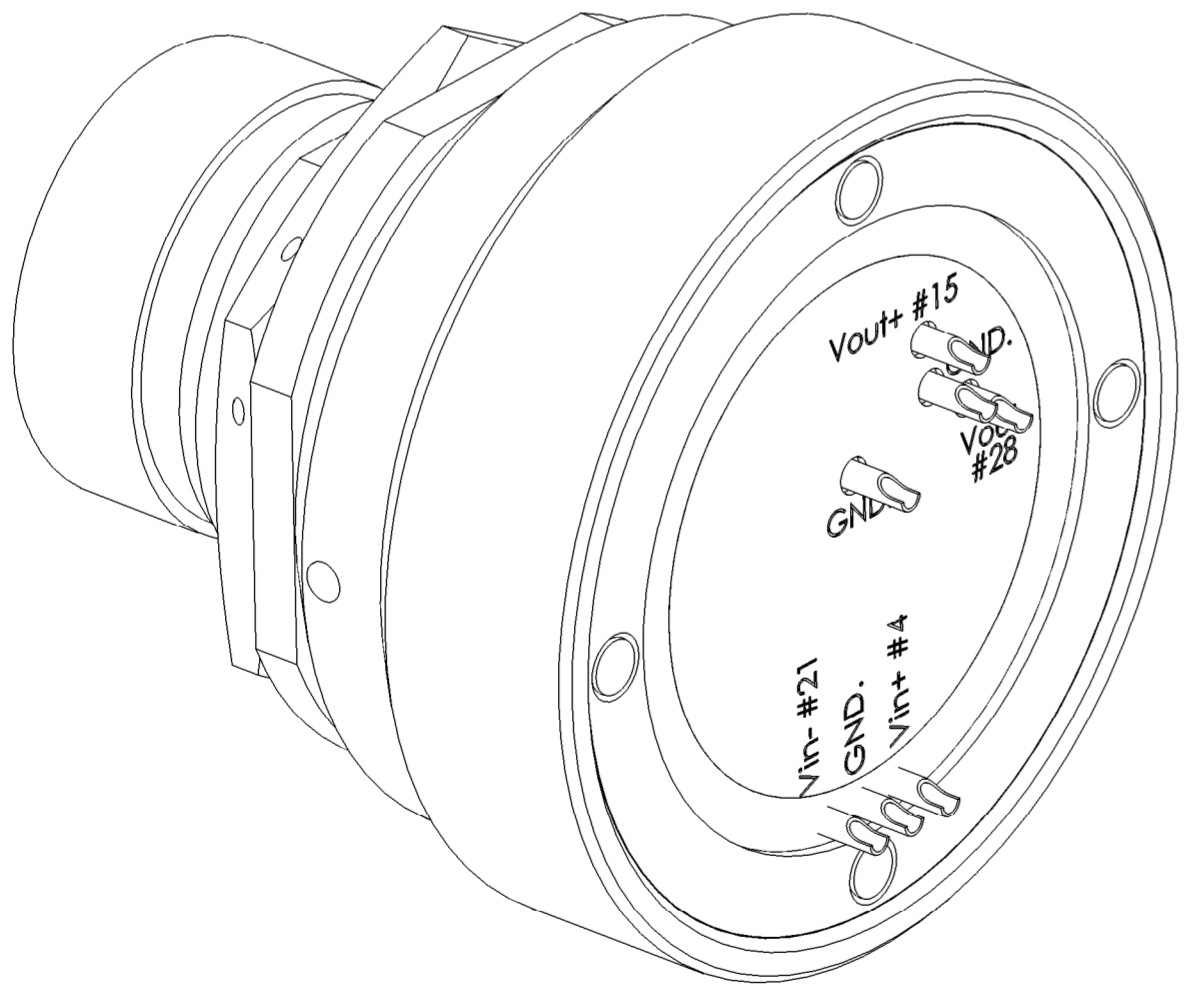
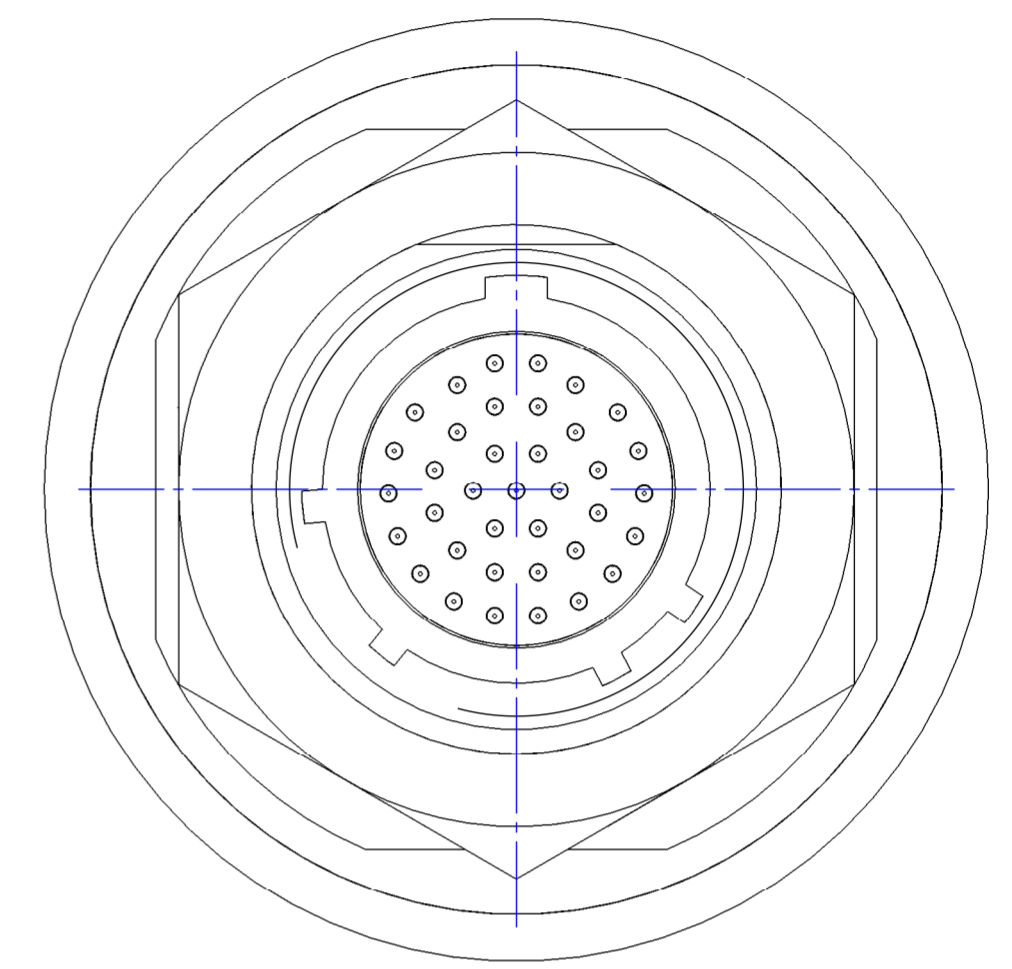
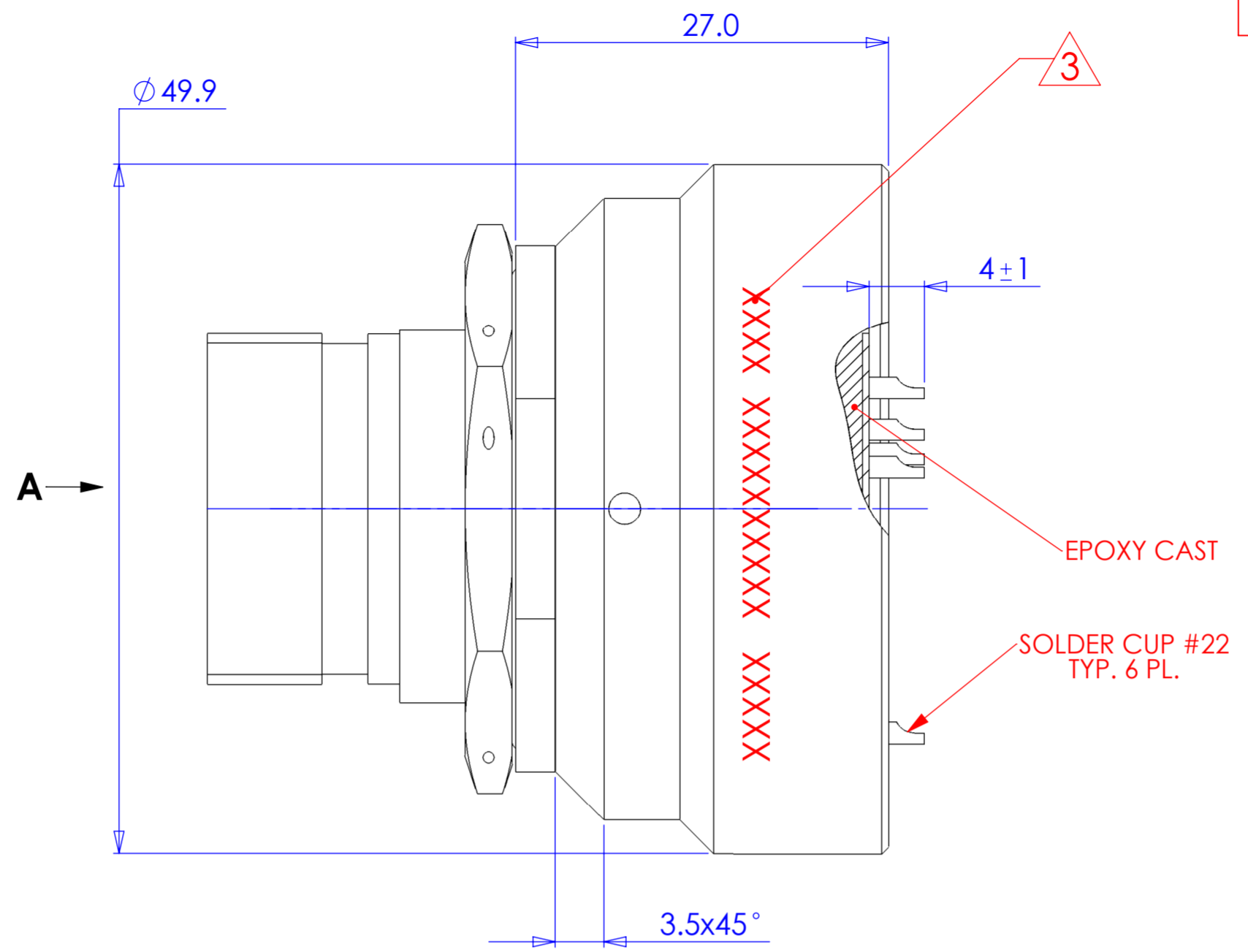
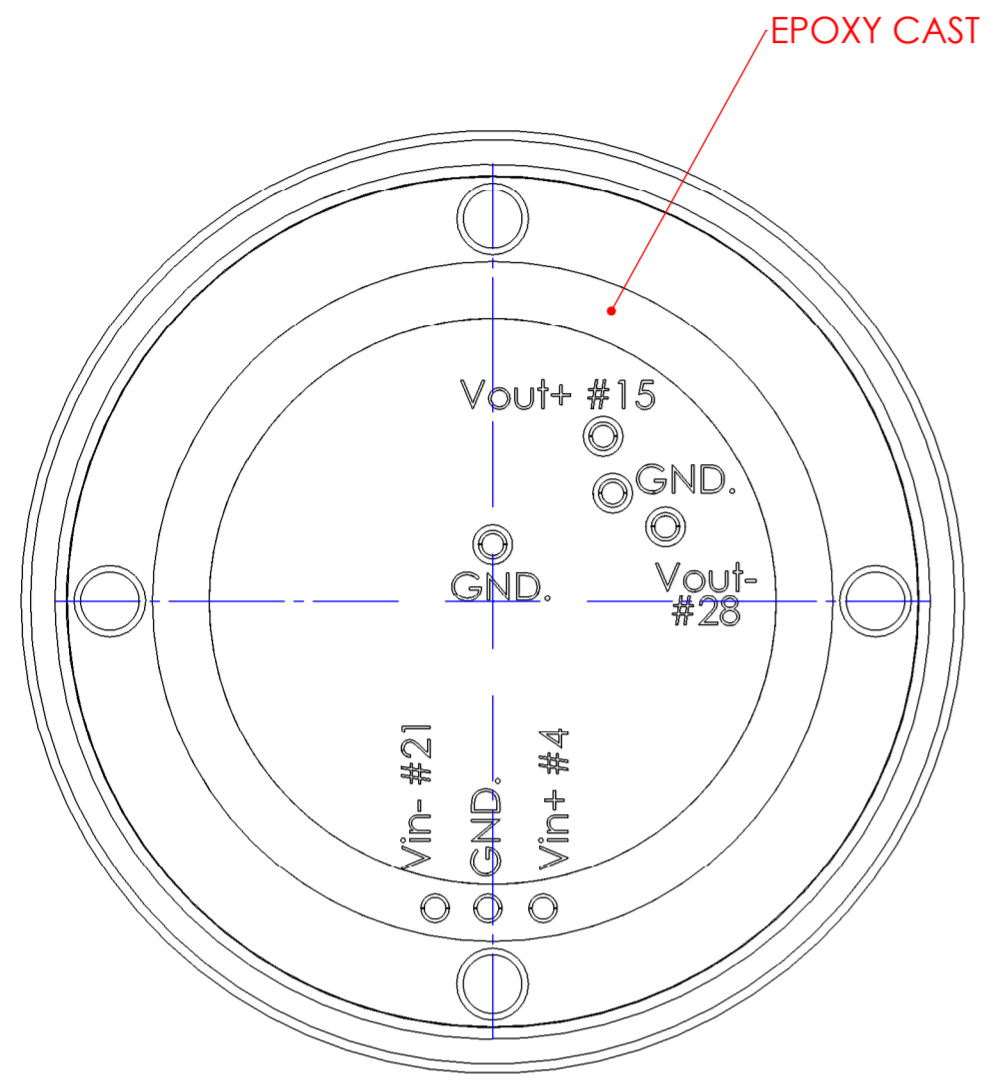


REV.	CHANGE ORDER No.	CHANGES	DATE	APPROVAL
NEW	--	INITIALLY RELEASED	03.07.18	YURI Z.
A	180821-1	ELECTR. TABLE UPD. (SEE E.C.O.)	21.08.18	LEONID B.



- NOTES:**
1. BASED ON D38999/24WD35PN
 2. UNSHOWN DIMENSION AND CHARACTERISTICS PER MIL-DTL-38999
 3. MARKING: MANUFACTURER P/N, DATE CODE (mm.YY)

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
YURI Z.	22.05.18	DRAFT		
NIR NISSIM	22.05.18	CHECK		
YURI Z.	22.05.18	DESIGN		
REGINA YOFFE	22.05.18	PA.		
NIR NISSIM	22.05.18	APPR.	DO NOT MEASURE ON DWG. BREAK SHARP CORNERS. ALL UNDIMENSIONED RADIUS ARE R=0.5	
NEXT ASSY.	SURF. FINISH			
XXXX	N7			
SURFACE TREATMENTS:			MATERIAL	
SEE NOTES			SEE NOTES	
ANGLE PROJECTION	TOLER.	TITLE	CD FOR FILTER AND TRANSIENT PROTECTION CONNECTOR 37 PIN CONTACTS	
	X. ±0.5			
	X.X ±0.2			
	X.XX ±0.05			
SCALE N.A.	ANGLES ±30'	SIZE	DRAWING NO.	REV.
DIM. IN MM	SHEET OF 1 2	A2	AU001415	A



REV.	CHANGE ORDER No.	CHANGES	DATE	APPROVAL
1	-	-	-	-

Typical Attenuation (Measured per MIL-STD-220; 50Ω System; No Load):

Contact	Filter Type	Current Rating [A]	W.V. [V _{oc}]	DWV [V _{oc}]	Cap. ±20%	f _{co} [MHz]	Attenuation [dB] vs. Frequency [MHz]				
							In	Out	1	10	100
4 - 21 DM	15-28 DM	Pi	5	200	500	In 4uF, Out 1uF	0.03	40	-	-	-
4 (CM)		Pi	5	200	500	20nF	0.3	7	35	65	52
21 (CM)		Pi	5	200	500	200nF	0.3	7	35	65	52
15 (CM)		Pi	5	200	500	40nF	0.3	7	35	65	52
28 (CM)		Pi	5	200	500	40nF	0.3	7	35	65	52
3, 20	16, 29	Pi	5	200	500	440pF	14.5	0	0	20	42
6, 7, 22, 23	12, 13, 26, 27	Pi	5	200	500	97pF	65.5	0	0	6	45
5	14	Pi	5	200	500	2.5nF	65.5	0	0	6	45
1, 2, 8-11, 17-19, 24, 25, 30-37		GND	-	-	-	-	-	-	-	-	-

* Reverse polarity protection for DC contacts – 0 to (-36)V

Connector Pinout :

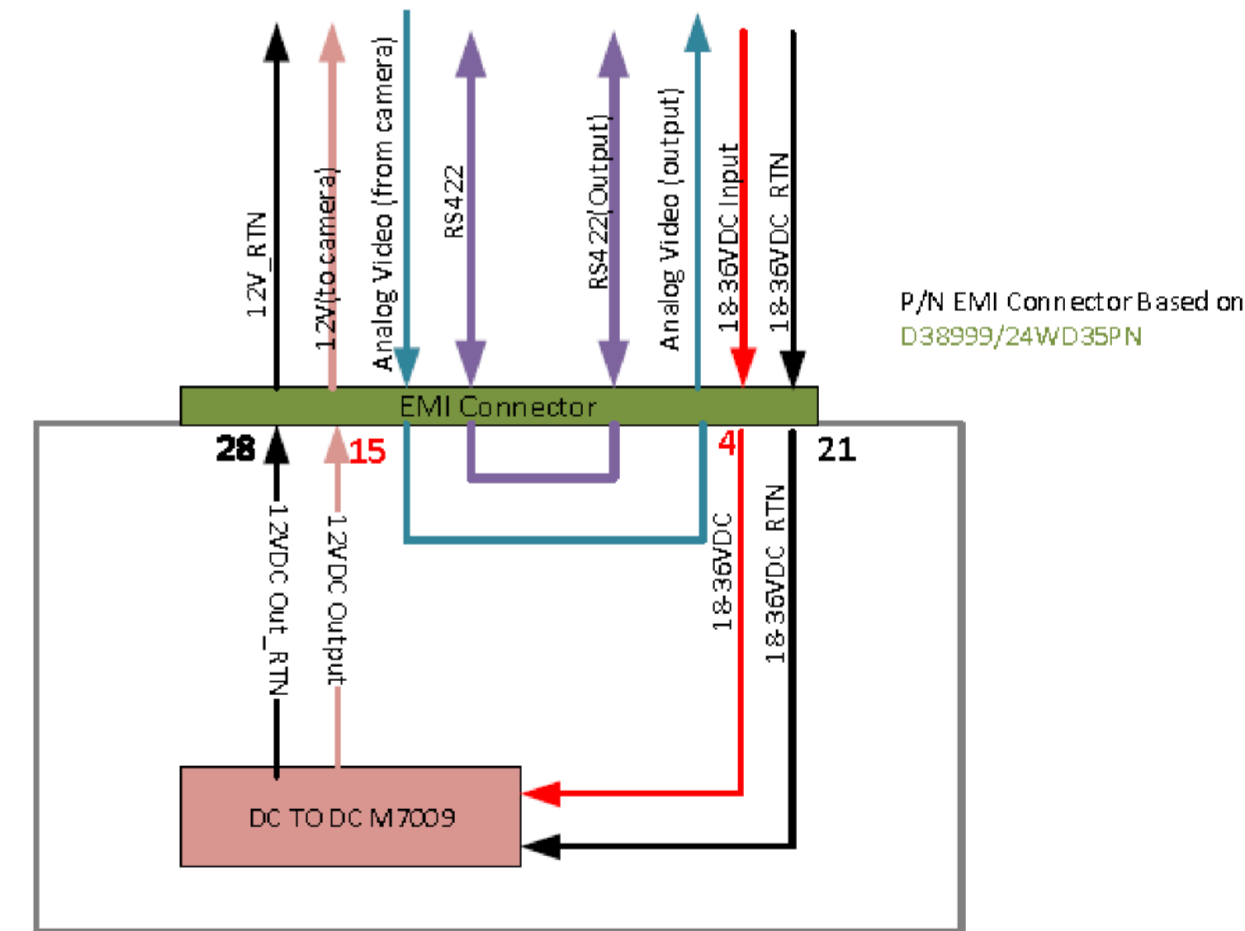
Signal	In / Out	# contact
16-36 VIN	Input	4
16-36GNDIN	Input	21
TX+	Input	6
TX-	Input	22
RX+	Input	7
RX-	Input	23
DGND	Input	5
VIDEO	Input	3
VIDEO RTN	Output	20
12 VIN	Output	15
12v GNDIN	Output	28
TX+	Output	13
TX-	Output	27
RX+	Output	12
RX-	Output	26
DGND	Output	14
VIDEO	Output	16
VIDEO RTN	Output	29
GND	Chassis GND	1, 2, 8-11, 17-19, 24, 25, 30-37

Transient protection:

Contact In / Out	W.V. [V _{oc}]	Vcl [V _{oc}]
4	90	146
[4 – 21] diff	90	146
15, 28	-	-
21	5	9.2
5, 14	12	19.9
3, 6, 7, 12, 13, 16, 20, 22, 23, 26, 27, 29	12.6	20.5
1, 2, 8-11, 17-19, 24, 25, 30-37	GND	-

Environmental Characteristics:

Description	Value	Paragraph per Standard			
		ISO 2100	7137	MIL-STD 1344	202
Sealing	<10E-5 cc/sec Helium @ΔP=1atm.				
Vibration (Random)	Up to 40g RMS 20 to 2,000Hz	12		2005.1	201, 204, 214
Vibration (Sine)	Up to 15g PTP 10 to 2,000Hz	12		2005.1	201, 204, 214
Shock	100g X 6ms Half Sine		7	2004.1	213
Climatic					103, 106
Temperature	-55°C to +125°C Operating and Storage				
Humidity	Up to 95% @ Storage Temp. Range	18b		1002.2	
Altitude	Up to 70,000ft	18a	4		
Salt Spray	500 Hours	22		1001.1	101
Sand and Dust		23	12		110
Contact Endurance	More than 500 mating cycles	16			



Materials and Finishes:

Shell	Aluminum Alloy, Olive Drab Cadmium plating over Electroless Nickel
Contacts	Copper Alloy, Gold plated 1.3μ MIN. over Nickel
Solder Cups	Copper Alloy, Tin plated over Nickel
Potting	Epoxy Cast

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DIM. IN MM	SHEET OF 2/2	A2	AU001415
			REV. A