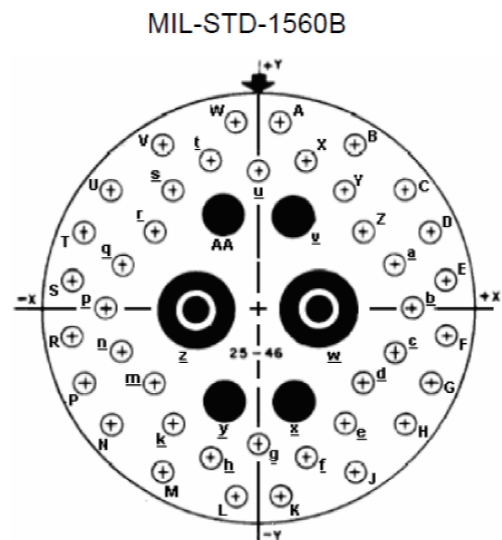
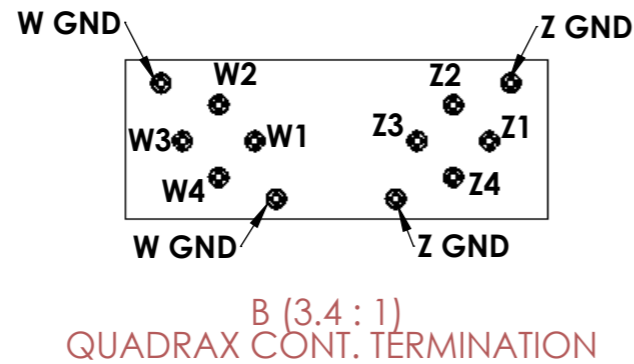
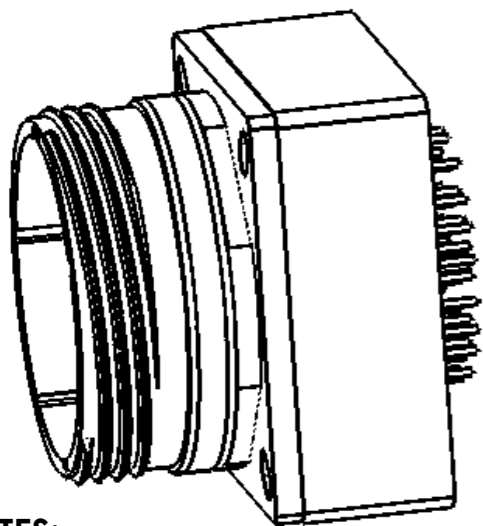
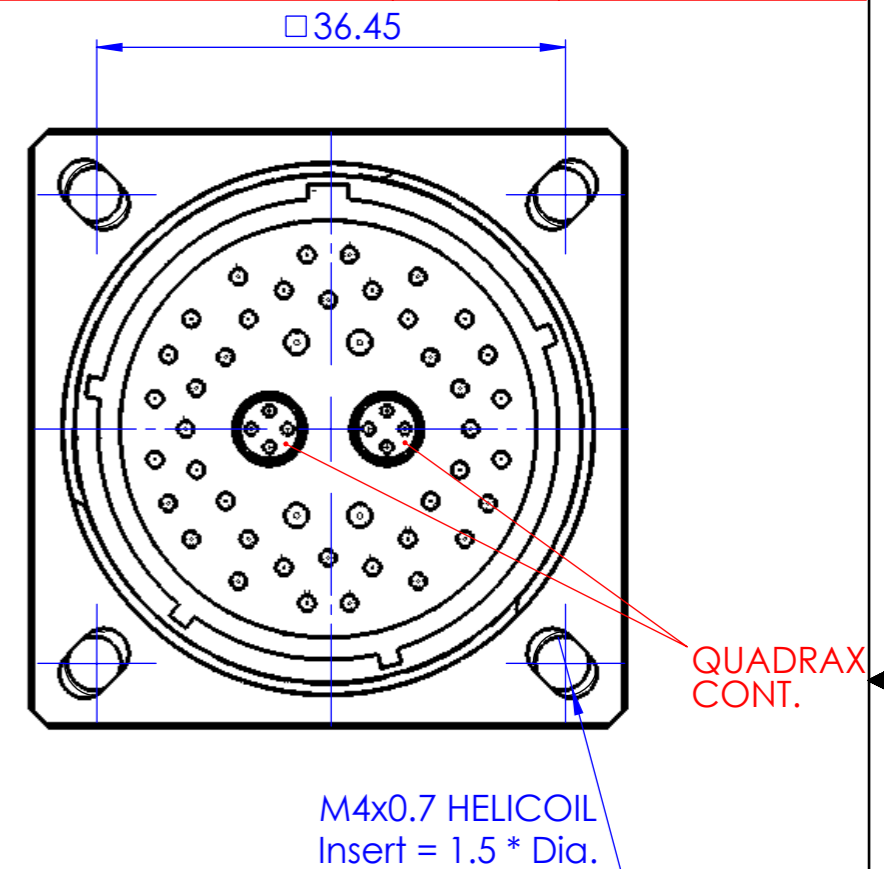
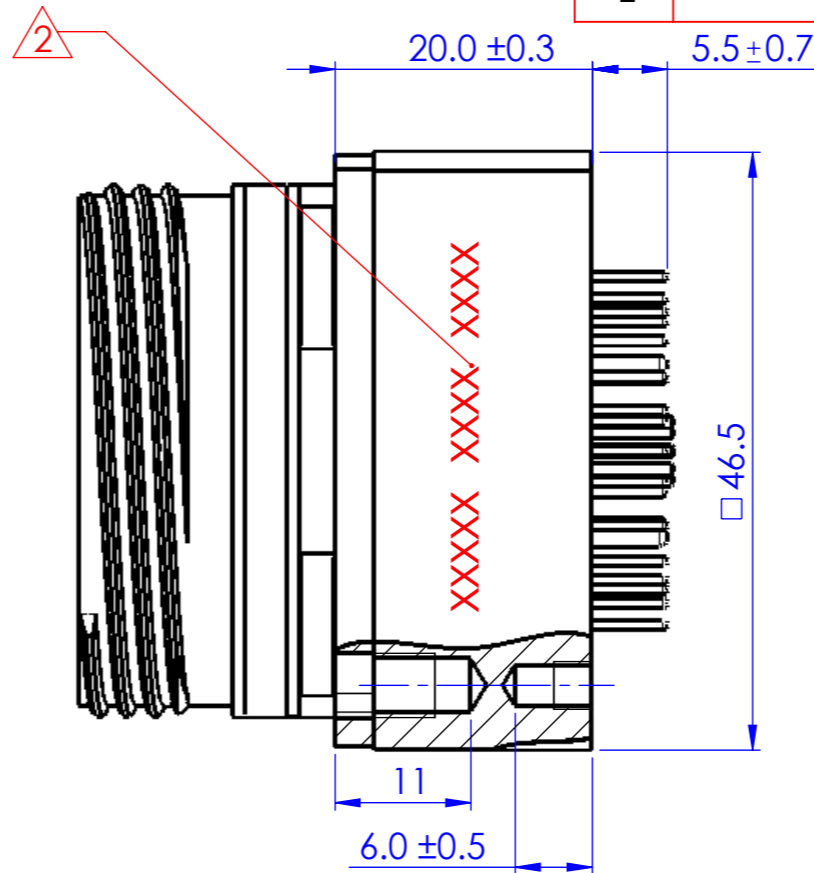
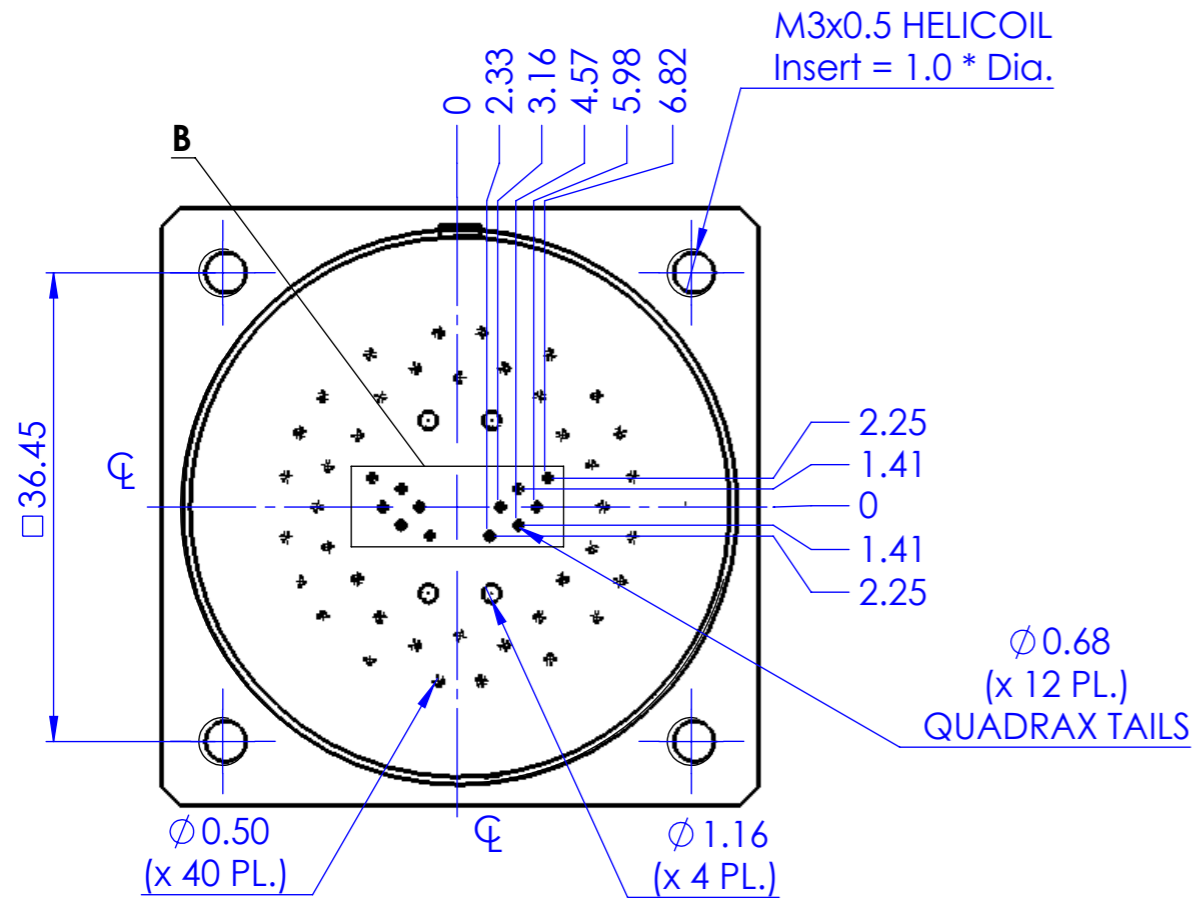


REV.	CHANGE ORDER No.	CHANGES	DATE	APPROVAL
B	--	ELECTRICAL CHARACTERISTICS CHANGED DUE TO CUSTOMER REQUEST	01.03.15	EYAL R.
C	--	ELECTRICAL CHARACTERISTICS UPDATED PER CUSTOMER REQUEST	28.02.16	EYAL R.
D	10-16	CHANGING ELECTR. CHARACTERISTICS OF CONTACTS g, w, z (SHEET 2)	19.04.16	EYAL R.
E	--	THREAD NUBS REMOVED, CONT. g, M, W UPDATED TO PROTECTION LEVEL A2	31.10.16	YURI Z.



NOTES:

1. BASED ON D38999/20WJ46PN
2. MARKING BY BLACK COLOR: AMPHENOL FLT-D38999/20-W-J-46PN, DATE CODE (YY.WW)
3. UNSHOWN DIMENSIONS ARE PER MIL-DTL-38999
4. CUSTOMER ID: J3

NAME	POSITION	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.	
YURI ZARHIN	MECHANIC. DESIGN	02.01.14	DO NOT MEASURE ON DWG. BREAK SHARP CORNERS. ALL UNDIMENSIONED RADIUS ARE R=0.2	
YURI ZARHIN	DRAWING	02.01.14		
EYAL RONEN	ELECTR. DESIGN	02.01.14		
REGINA YOFFE	PA.	02.01.14		
NIR NISSIM	APPROVAL	02.01.14	PROJECT	
NEXT ASSY.	SURF. FINISH		MATERIAL	
---	N7		---	
SURFACE TREATMENTS:			---	
---			---	
ANGLE PROJECTION	TOLER.	TITLE: CD FOR D38999/III FILTER & TRANSIENT PROTECTED 46 PIN CONT. (25-46) CONNECTOR		
	X. ±0.5 X.X ±0.2 X.XX ±0.05			
SCALE	ANGLES ±30'	SIZE	DRAWING NO.	
N.A.		A3	C3W25W46P9N070321	
DIM. IN	Sheet 1 OF 2	REV.	E	
MM				



REV.	CHANGE ORDER No.	CHANGES	DATE	APPROVAL

Filter¹ and Transient Protection² Electrical Characteristics

Contact	Contact Current [A]	W.V. [V _{DC}]	V _{C,MAX} [V _{DC}]	Transient Protection Level ²	Filter Type	Cap. ±20% [nF]	f _{co} [MHz]	Attenuation ¹ [dB] vs. Frequency [MHz]			
								1	10	100	1000
A, C, D, E, F, H, J, K, L, M, N, P, R, S, T, U, V, W, X, Y, Z, a, b, c, d, e, f, g, h, k	7.5	28	45.4	A2	Pi	44	0.1	13	48	62	51
B, G, m, n, p, q, r, s, t, u	7.5	10	20	A2	Pi	44	0.1	13	48	62	51
v, x, y	13	5	16	A2	Pi	44	0.1	13	48	62	51
[w1-w3], [w2-w4], [z1-z3], [z2-z4]	0.5	5	16	A2	Pi	-	95	0	0	0	30
w, z	Outer	-	-	CGND 0Ω	-	CGND 0Ω	-	-	-	-	-
AA	13	-	-	-	No Filter	-	-	-	-	-	-

¹ – Typical Attenuation per MIL-STD-220 (50Ω System; No Load)

² – Transient Protection per RTCA/DO-160E (Pin Injection Levels 1 & 2; Waveforms 3 & 4)

Materials and Finishes:

Shell	Aluminum Alloy, Olive Drab Cadmium plating
Contacts	Copper Alloy, 1.27 μm MIN. Gold Plated Over Nickel
Potting	Epoxy Cast

Environmental Characteristics:

Description	Value	Paragraph per Standard			
		ISO		MIL-STD	
		2100	7137	1344	202
Sealing	Up to 3x10 ⁻³ cm ³ /s Air @ 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 for Cadmium	22		1001.1	101
Sand and Dust		23	12		110
Contact Endurance	More than 500 mating cycles	16			

YURI ZARHIN	MECHANIC. DESIGN	02.01.14	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.
YURI ZARHIN	DRAWING	02.01.14	
EYAL RONEN	ELECTR. DESIGN	02.01.14	
REGINA YOFFE	PA.	02.01.14	
NIR NISSIM	APPROVAL	02.01.14	
NEXT ASSY.	SURF. FINISH N7		DO NOT MEASURE ON DWG. BREAK SHARP CORNERS. ALL UNDIMENSIONED RADIUS ARE R=0.2
SURFACE TREATMENTS:			MATERIAL
ANGLE PROJECTION	TOLER.	TITLE:	CD FOR D38999/III FILTER & TRANSIENT PROTECTED 46 PIN CONT. (25-46) CONNECTOR
	X. ±0.5 X.X ±0.2 X.XX ±0.05		
SCALE N.A.	ANGLES ±30'	SIZE	DRAWING NO.
DIM. IN MM	Sheet 2 OF 2	A3	C3W25W46P9N070321
			REV. E