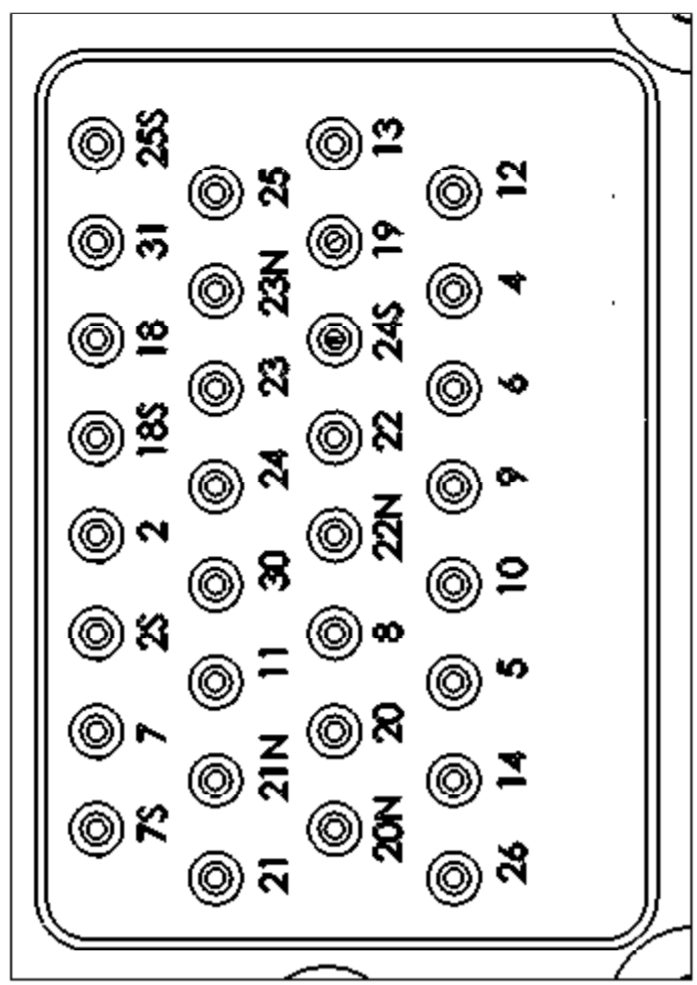
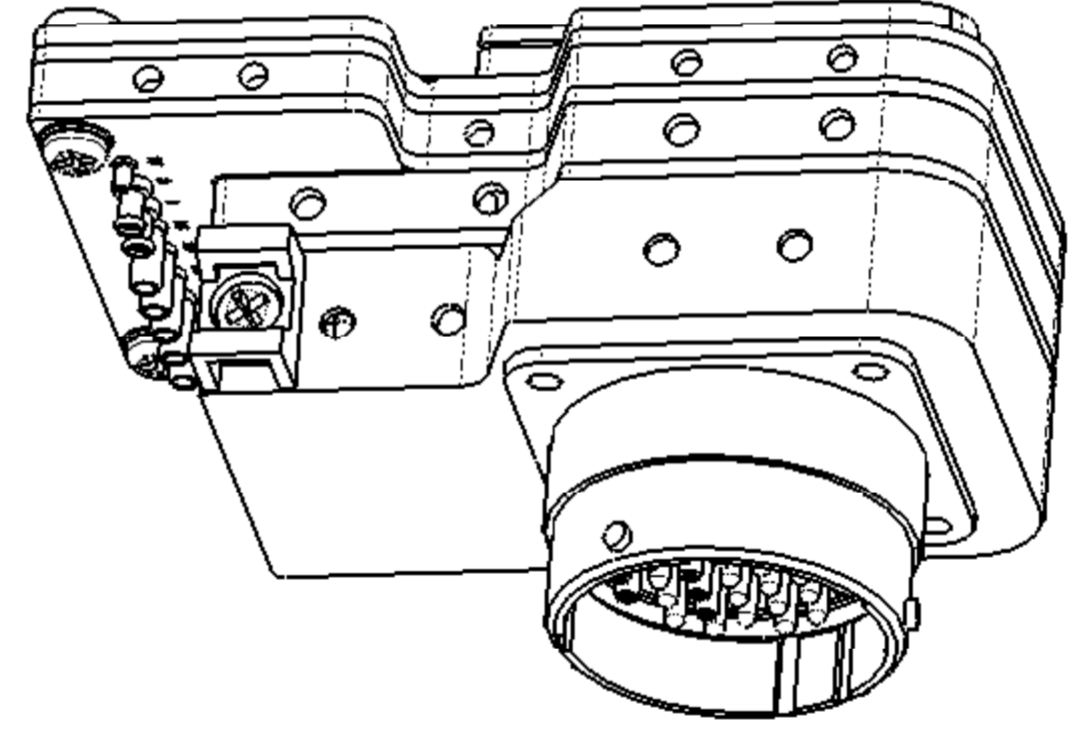
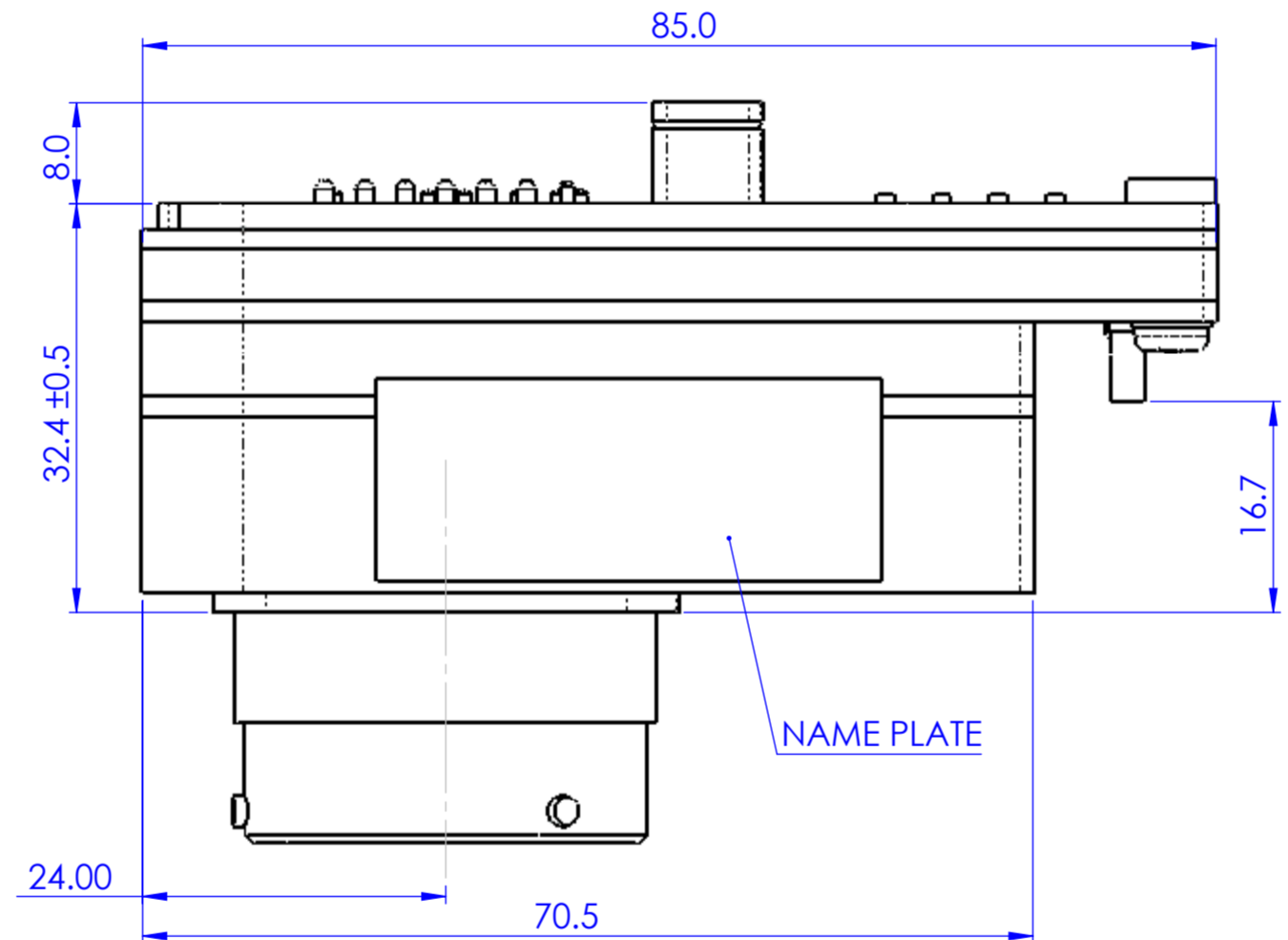
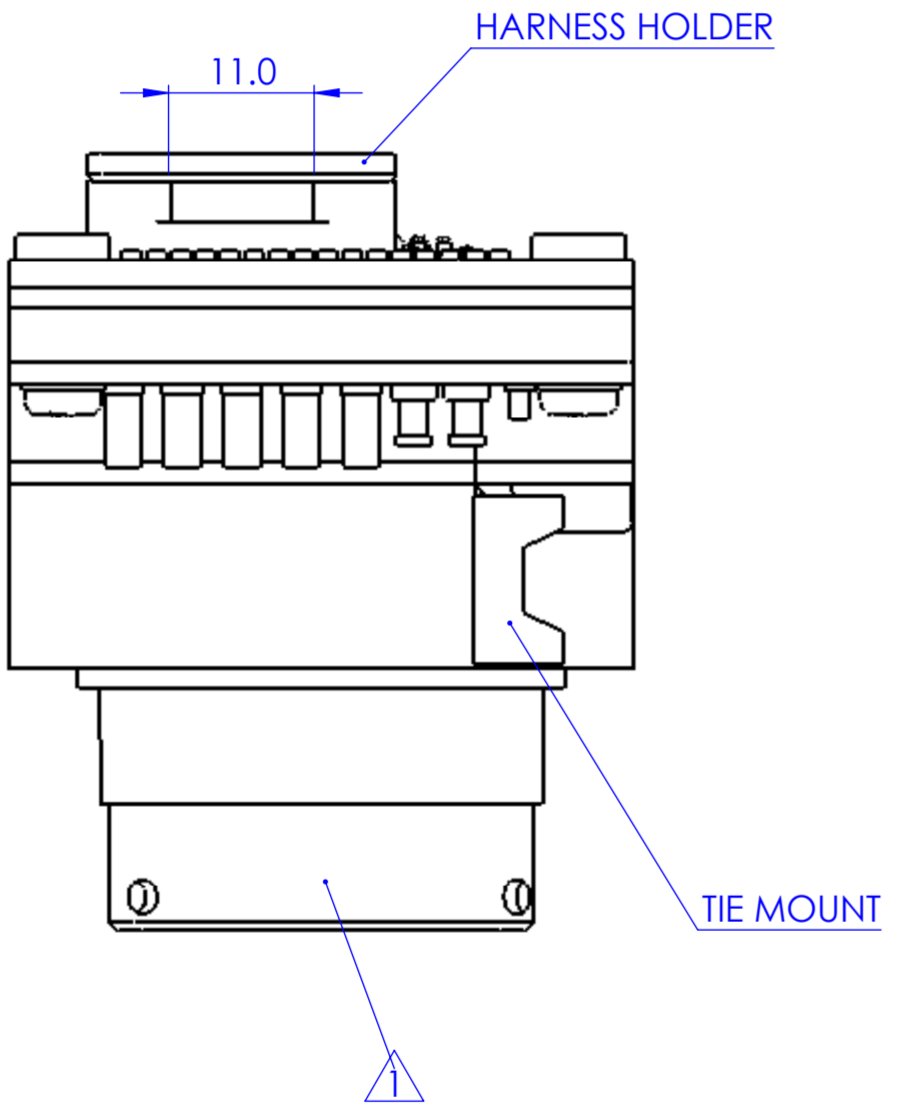
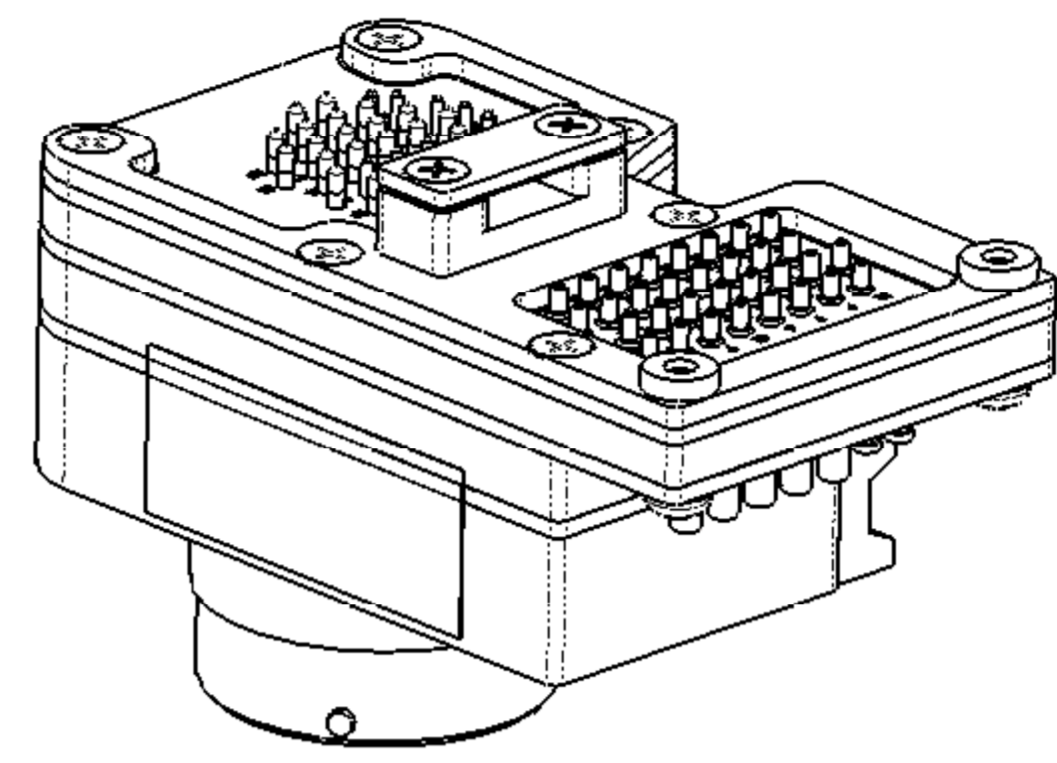
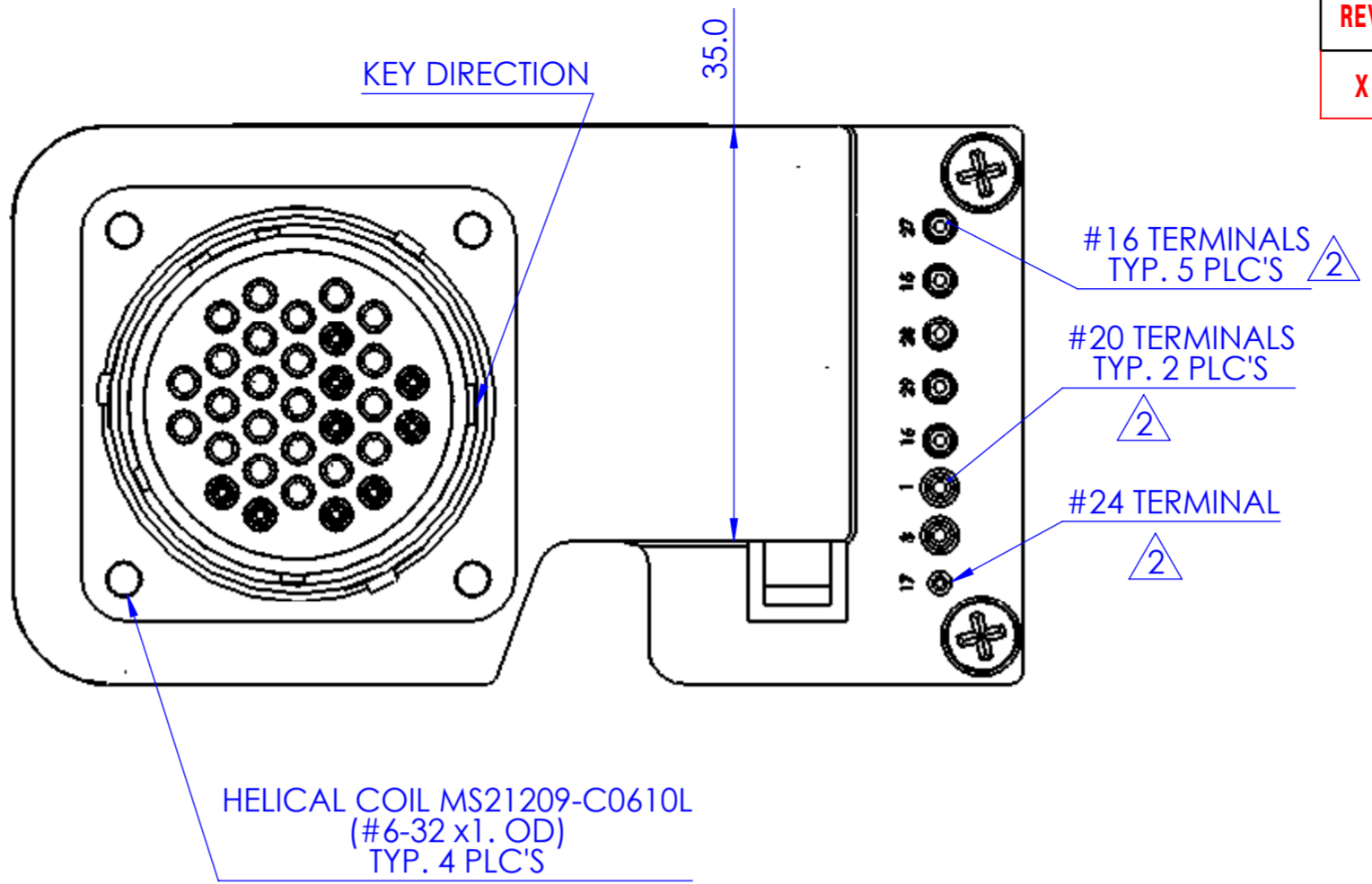


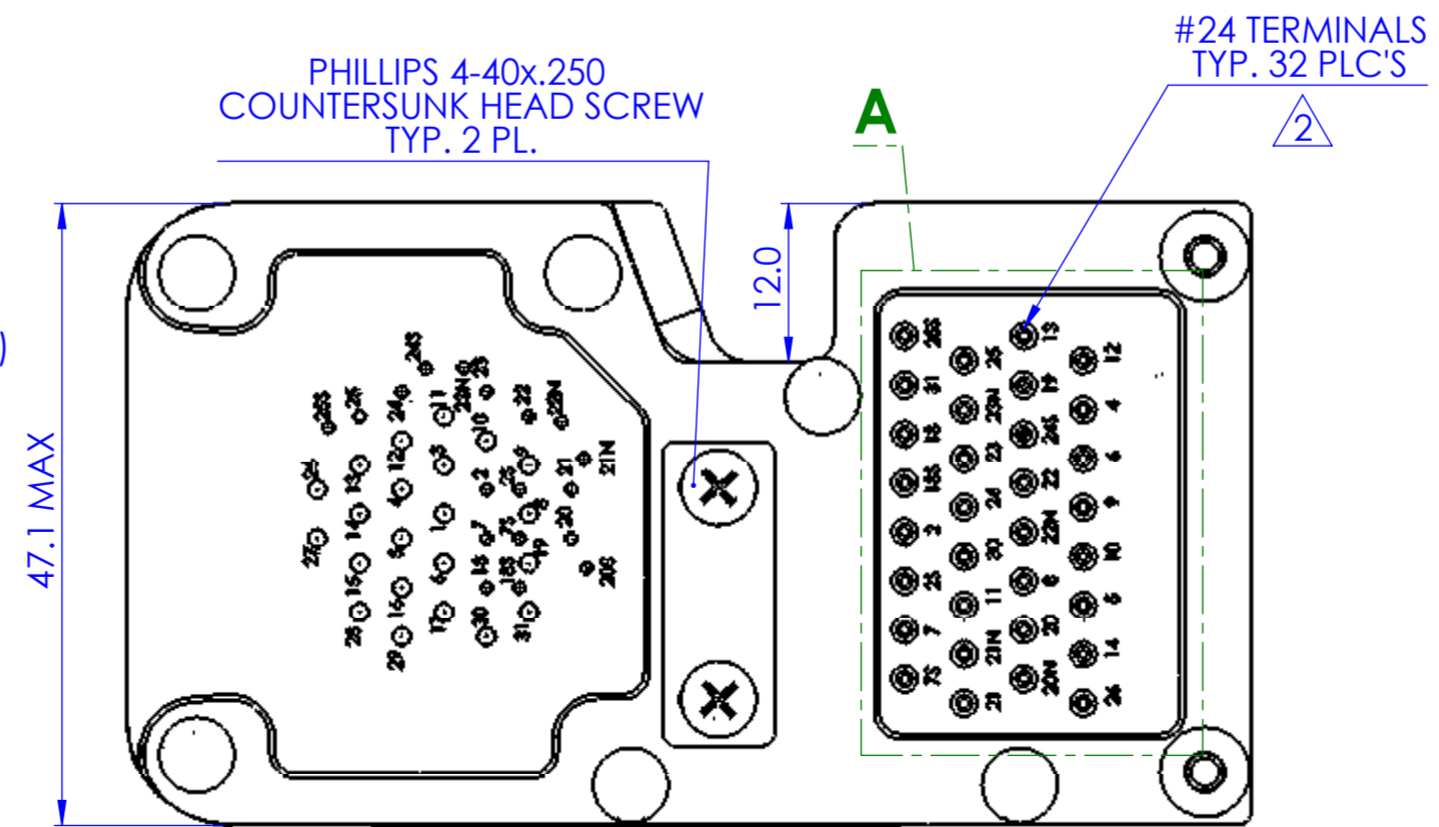
REV.	CHANGE ORDER No.	CHANGES	DATE	APPROVAL
X	XXXX	XXXXX	XXXXX	XXXXX



DETAIL A
SCALE 3.5 : 1
FOR WIRE SOLDERING REFER
TO TABLE No. 5



- NOTES:**
1. BASED ON RAYCHEM MANUFACTURED CONNECTOR P.No. RD10A20-31PN
 2. #16 & #20 TERMINALS AND TERMINAL No.17 ARE FACED DOWN, #24 TERMINALS ARE FACED UP (FOR MDM. CONNECTOR CONTACTS TERMINATION)
 3. THE TERMINAL NUMBERS COMPLY WITH THOSE OF THE CONNECTOR CONTACTS



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YURI Z.		10.10.06	DRAFT		
MICHAEL MUCHNIK		10.10.06	CHECK		
YURI Z.		10.10.06	DESIGN		
REGINA YOFFE		10.10.06	PA.		
NIR NISSIM		10.10.06	APPR.		
NEXT ASSY.	XXXX				PROJECT XX
SURF. FINISH	N7				
SURFACE TREATMENTS: SEE NOTES				MATERIAL SEE NOTES	
ANGLE PROJECTION		TOLER.		TITLE	
		X. ±0.5		CD	
		X.X ±0.2		FOR RD1 FILTERED CONNECTOR	
		X.XX ±0.05		SIZE	DRAWING NO.
SCALE	N.A.	ANGLES ±30'		A2	AU001049-PR
DIM. IN	MM	SHEET OF	1 OF 2		REV. NEW

MATERIALS:

CONNECTOR SHELL - ALUMINIUM, OLIVE DRAB CADMIUM
 BACK SHELL - AL. ALLOY 6061-T6 PER QQ-A-250/11,
 CHROMATE CONVERSION COATING PER MIL-C-5541 CLASS 3 (NATURAL ALODINE)
 CONTACTS - COPPER ALLOY, GOLD PLATED OVER NICKEL
 POTTING - EPOXY CAST

REV.	CHANGE ORDER No.	CHANGES	DATE	APPROVAL
X	XXXX	XXXXX	XXXXX	XXXXX

Electrical Specification:

Maximum Working Current – see Table 1

Contact No.	Maximum Working Current
15,16,27,28,29	10Adc
2,2S,7,7S,18,18S,20,20N,21,21N,22,22N,23,23N,24,24S,25,25S	1.5Adc
All Other	3.5Adc

Table 1

Working Voltage – see Table 3

Dielectric Withstanding Voltage – see Table 2

Contact No.	DWV [V _{DC}]
15,27,28,29	750V _{DC} @ 5sec
2(Sh), 7(Sh), 18(Sh), 8, 10, 24(Sh), 25(Sh)	Not Applicable
All Other	500V _{DC} @ 5sec

Table 2

Insulation Resistance (IR) – 5 GOhm or 500 OhmF (whichever is smaller)

Typical Capacitance – per Table 3

Attenuation per MIL-STD-220A (In 50Ω System No Load) – per Table 3

Contact No.	Cap. [pF] ±20%	Working Voltage [V _{DC}]	Filter Type	Minimum Attenuation[dB] Vs. Frequency [MHz]					
				1	10	30	100	300z	1000
1,3,4,5,6,9,11,12,13,14,17,19,26,30,31	9400	200	Pi	2	18	43	55	56	49
2, 18	150	200	C	-	-	-	2	27	30
7	77	200	C	-	-	-	-	19	37
2(Sh), 7(Sh), 18(Sh)	Resistor 0Ω to GND			-	-	-	-	-	-
8, 10	Resistor 0Ω to GND			-	-	-	-	-	-
15,27,28,29	5400	500	Pi(CMC)	0	10	30	55	58	52
16	Resistor 0Ω to GND			-	-	-	-	-	-
20(P), 20(N)	134	200	Pi(CMC)	0	5	8	12	20	35
21(P), 21(N)	134	200	Pi(CMC)	0	5	8	12	20	35
22(P), 22(N)	940	200	Pi	0	1	8	27	66	46
23(P), 23(N)	940	200	Pi	0	1	8	27	66	46
24, 25	9400	200	Pi	2	18	43	55	56	49
24(Sh), 25(Sh)	Resistor 0Ω to GND			-	-	-	-	-	-

Table 3

Environmental Specification:

Temperature -54°C to +105°C
 Shock 20g @ 11 msec
 Vibration Per Table 4
 Humidity Up to 95%

Endurance		Buffeting	
Freq. [Hz]	PSD [g ² /Hz]	Freq. [Hz]	PSD [g ² /Hz]
15	0.0167	15	0.1
70	0.0167	60	0.5
600	0.1336	100	0.5
2000	0.1336	300	0.04
		500	0.01
		2000	0.01

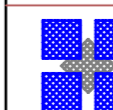
Table 4

Contact Number Vs. Solder Terminal Size:

Contact No.	Solder Terminal Size for Wires
2,2S,4-7,7S, 8-14,17,18,18S,19,20,20N,21,21N,22,22N,23,23N,24,24S,25,25S,26	24 AWG
1,3	20 AWG
15,16,27,28,29	16 AWG

Table 5

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REGINA YOFFE	10.10.06	PA.		
NIR NISSIM	10.10.06	APPR.		
NEXT ASSY. SURF. FINISH	XXXX	N7	DO NOT MEASURE ON DWG. BREAK SHARP CORNERS. ALL UNDIMENSIONED RADIUS ARE R=0.5	PROJECT XX
SURFACE TREATMENTS:			MATERIAL	
SEE NOTES			SEE NOTES	
ANGLE PROJECTION	TOLER.	TITLE	CD	
	X. ±0.5	FOR RD1 FILTERED CONNECTOR		
	X.X ±0.2			
	X.XX ±0.05			
SCALE N.A.	ANGLES ±30'	SIZE	DRAWING NO.	REV.
DIM. IN MM	SHEET OF	A2	AU001049-PR	NEW
	2			
	2			



RF Immunity Ltd.