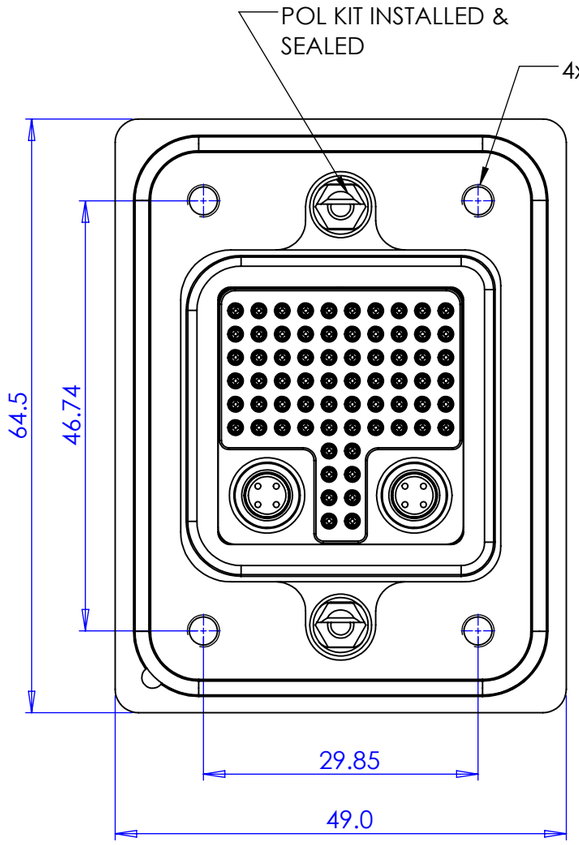
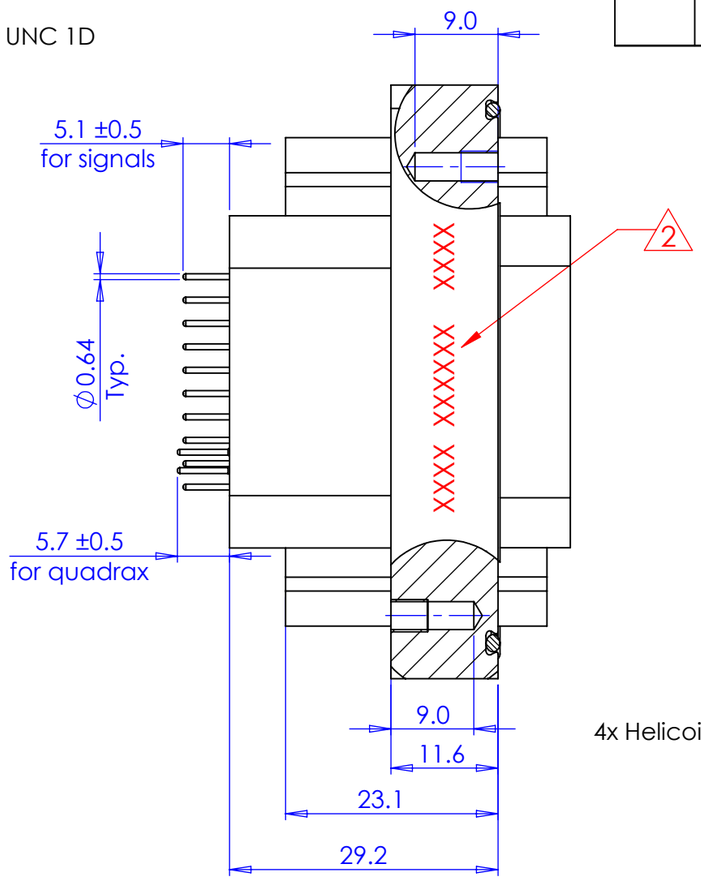
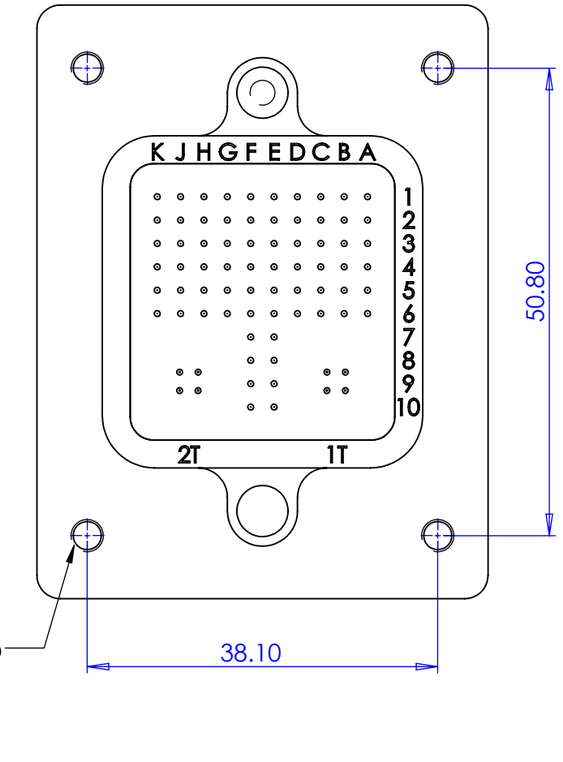
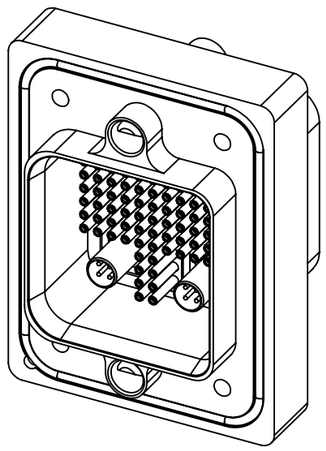
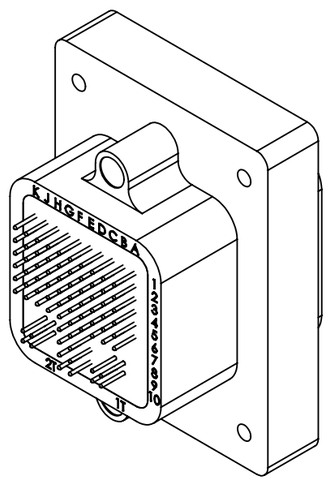
REV.	CHANGE ORDER No.	CHANGES	DATE	APPROVAL
NEW	--	Released	05/12/19	Yuri Z.











NOTES:

1.BASED ON ARINC 600 68QII

2. MARKING : MANUFACTURER P/N, CUSTOMER P/N, DATE CODE (mm.YY)

3. CUSTOMER P/N: 4443-2110-01 Rev. A

NAME	POSITION	DATE
VLADIMIR F.	MECHANIC. DESIGN	26.11.19
VLADIMIR F.	DRAWING	26.11.19
GIDEON N.	ELECTR.DESIGN	26.11.19
REGINA YOFFE	PA.	26.11.19
YURI ZARHIN	APPROVAL	26.11.19

NEXT ASSY. ---

SURF. FINISH N7

DO NOT MEASURE ON DWG.
BREAK SHARP CORNERS.
ALL UNDIMENSIONED RADIUS ARE R=0.2

PROJECT

SURFACE TREATMENTS: ----

MATERIAL ----

ANGLE PROJECTION

TOLER.
X. ±0.5
X.X ±0.2
X.XX ±0.05
ANGLES ±30'

TITLE: CD FOR ARINC 600
68 PIN CONT + 2 QUADRAX
FILTER CONNECTOR, PCB TERM

SCALE N.A.

DIM. IN MM

Sheet1 OF 2

SIZE A3

DRAWING NO. AU001453

REV. NEW

RF Immunity The Filtered Connector Specialists

RFQ 2721

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

Materials and Finishes:

Shell	Aluminum Alloy, Yellow Chromate over Cadmium
Contacts	Copper Alloy, 1.27 µm MIN. Gold Plated Over Nickel
Insulator	Termoplastic
O-ring	NBR 70 Shore
Potting	Epoxy Cast

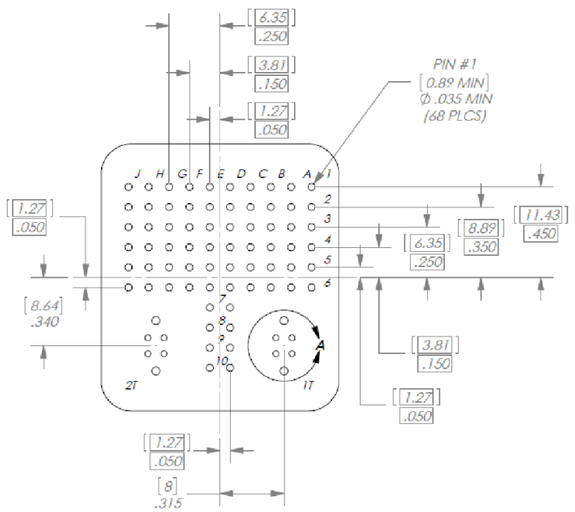
Filter Electrical Characteristics:

Insulation Resistance ≥ 500MΩ

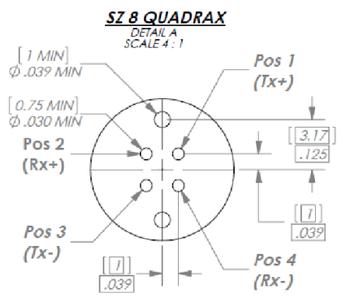
Typical Attenuation (Measured per MIL-STD 220; 50Ω System; No Load):

Pin/Contact	Current Rating [A]	Filter Type	W.V [VDC]	D.W.V [VDC]	Cap. ±20%	f_{CO} (MHz)	Attenuation [dB] vs. Frequency [MHz]			
							1	10	100	1000
A1, A2, A3, B1, B2, B3	5	Pi	200	500	440pF	14.5	0	0	24	53
A4-A6, B4, C4, D4, E1-E5, F3-F5, G1-G6, H1-H6, J1-J3, J5, K1-K3, K5	5	Pi	200	500	9.4n	0.76	2	18	60	52
1T-1, 1T-2, 1T-3, 1T-4 2T-1, 2T-2, 2T-3, 2T-4	1	C	200	500	4.7pF(1)	152	-	-	2	33
1T-Shield, 2T-Shield	-	GND	-	-	-	-	-	-	-	-
All Other	5	None	-	-	-	-	-	-	-	-

(1) The 4.7pF is nominal capacitor value. Maximum 10pF is available



BOARD LAYOUT - REAR SIDE OF PCB



Environmental Characteristics:

Description	Value	Paragraph per Standard			
		ISO		MIL-STD	
		2100	7137	1344	202
Sealing	Up to 10^{-5}cm³/s 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 for Cadmium	22		1001.1	101
Sand and Dust		23	12		110
Contact Endurance	More than 500 mating cycles	16			

NAME	POSITION	DATE
VLADIMIR F.	MECHANIC. DESIGN	26.11.19
VLADIMIR F.	DRAWING	26.11.19
GIDEON N.	ELECTR.DESIGN	26.11.19
REGINA YOFFE	PA.	26.11.19
YURI ZARHIN	APPROVAL	26.11.19

NEXT ASSY. ---

SURF. FINISH N7

DO NOT MEASURE ON DWG.
BREAK SHARP CORNERS.
ALL UNDIMENSIONED RADIUS ARE R=0.2

PROJECT

SURFACE TREATMENTS: ----

MATERIAL ----

ANGLE PROJECTION

TOLER.
X. ±0.5
X.X ±0.2
X.XX ±0.05
ANGLES ±30'

TITLE: CD FOR ARINC 600
68 PIN CONT + 2 QUADRAX
FILTER CONNECTOR, PCB TERM

SCALE N.A.

DIM. IN MM

Sheet1(2) OF 2

SIZE A3

DRAWING NO. AU001453

REV. NEW

RF Immunity The Filtered Connector Specialists