

1. A BOX MOUNT RECEPTACLE MATES WITH A MTC PLUG CONTAINING SOCKET INSERTS. REFER TO APPLICABLE RAYCHEM SPECIFICATION CONTROL DRAWING FOR DETAILS.

3. THESE ITEMS ARE SUPPLIED UNASSEMBLED.

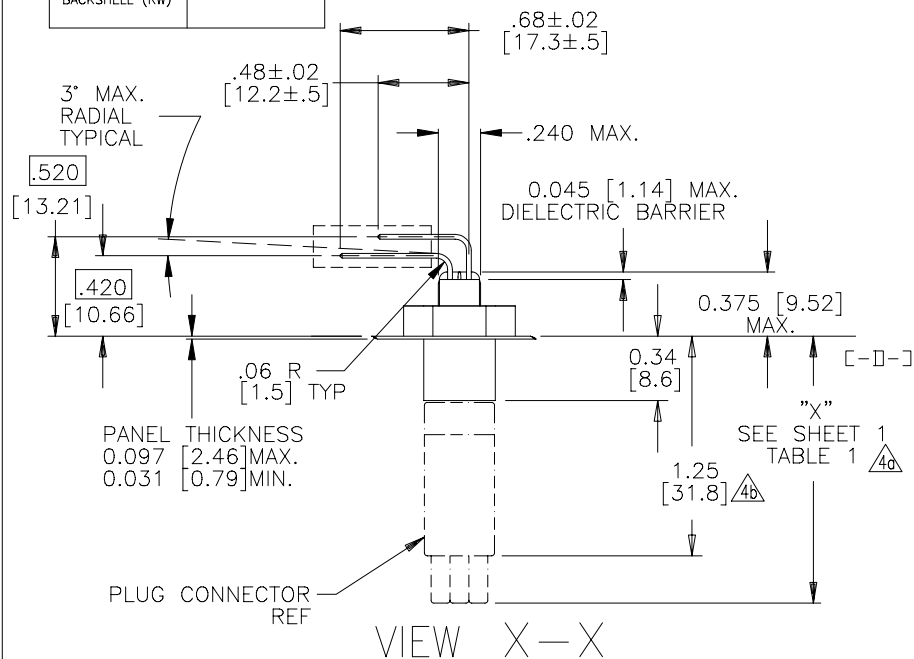
4. DIMENSION SHOWN IS WITH MATED PLUG CONNECTOR: a. WITH CABLE CLAMP
b. WITHOUT CABLE CLAMP AND WITHOUT EARS

5 THIS BOX MOUNT RECEPTACLE IS REAR PANEL MOUNTED BY REMOVING AS MANY PANEL WASHERS AS REQUIRED TO ACCOMMODATE THE THICKNESS OF THE PANEL BEING USED. SEE SHEET 2, TABLE 2.

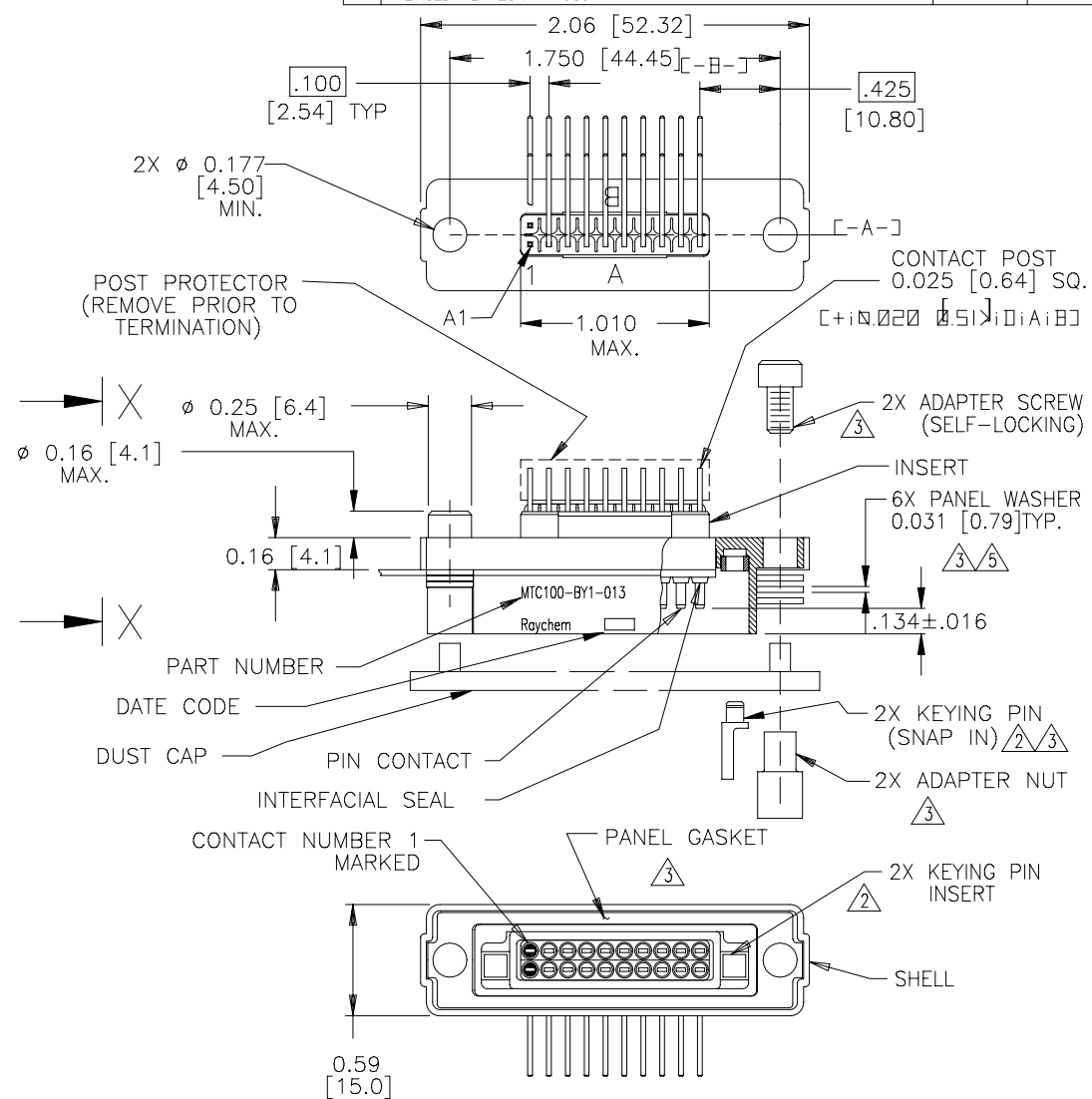
6 SEE SHEET 2, TABLE 3, FOR WEIGHTS. WEIGHTS SHOWN ARE WITHOUT DUST CAP AND WITHOUT POST PROTECTOR.

7. CONNECTOR SHELL MUST BE RIGIDLY ANCHORED TO THE PRINTED CIRCUIT BOARD IN A MANNER THAT PRECLUDES FLEXING OF THE TERMINATION POSTS AT THE POINT OF BEND.

TABLE 1 	
DIMENSION "X"	
DESCRIPTION	MAX. LENGTH
STANDARD PLUG	1.50 [38.1]
PLUG WITH EME BACKSHELL (FCC)	2.04 [51.8]
PLUG WITH EME BACKSHELL (RW)	2.93 [74.4]



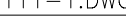
REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
B	REVISED PER ECN T-19857		



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SPECIFICATION CONTROL DRAWING

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. METRIC DIMENSIONS ARE IN BRACKETS. DECIMALS .XXX ± .005 { 0.13mm } .XX ± .01 { 0.25mm } ANGLES .X ± WEIGHT 6	DRAWN 	8/22/94	Raychem 300 CONSTITUTION DRIVE MENLO PARK, CALIFORNIA 94025			
	CHECKED R. H.	8/22/94	TITLE CONNECTOR, RECEPTACLE, FLANGED, PIN, BOXMOUNT, 1 - INCH, .025 SQ. POST, RIGHT ANGLE, MTC100 SERIES (16VE049006-4)	SIZE A CODE IDENT. NO. 06090 DWG. NO. MTC100-BY1-013 REV B		
	APPROVED R.HAGMANN	8/22/94				
	APPROVED					
	CAD NAME 008111-1.DWG					
THIRD ANGLE PROJECTION 	DO NOT SCALE THIS DRAWING			SHEET 1 OF 2		

SEE SHEET 1 FOR REVISION

SPECIFICATIONS:

MATERIALS:

A. SHELL	ALUMINUM ALLOY PER QQ-A-591
B. ADAPTER SCREW	STAINLESS STEEL PER QQ-S-763, 300 SERIES
C. ADAPTER NUT	STAINLESS STEEL PER QQ-S-763, 300 SERIES
D. STANDARD PANEL GASKET	SILICONE ELASTOMER PER MIL-R-25988
E. INSERT	HIGH GRADE POLYARYLENE THERMOPLASTIC
F. INTERFACIAL SEAL	SILICONE ELASTOMER PER MIL-R-25988
G. KEYING PIN	HIGH GRADE POLYARYLENE THERMOPLASTIC
H. PIN CONTACT	COPPER ALLOY PER QQ-B-750
I. PANEL WASHER	STAINLESS STEEL PER QQ-S-763, 300 SERIES
J. KEYING PIN INSERT	HIGH GRADE POLYARYLENE THERMOPLASTIC

FINISH:

APPLIES TO CADMIUM
PLATED CONNECTORS

A. SHELL	CADMIUM PLATED PER QQ-P-416 OVER NICKEL UNDERPLATE
B. ADAPTER SCREW	CADMIUM PLATED PER QQ-P-416
C. ADAPTER NUT	CADMIUM PLATED PER QQ-P-416
D. PANEL WASHER	CADMIUM PLATED PER QQ-P-416
E. PIN CONTACT	ENGAGING END - GOLD PLATED PER MIL-G-45204 TYPE 1, GRADE C, CLASS 1 TERMINATION POST - TINNED WITH Sn63 SOLDER PER QQ-S-571

DESIGN AND CONSTRUCTION:

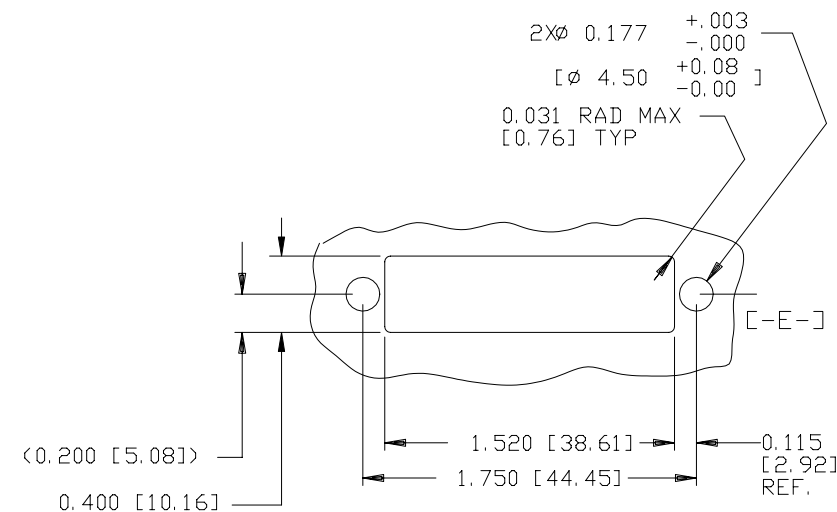
THE CONNECTORS SPECIFIED HEREIN ARE PANEL MOUNTED RECEPTACLES WITH FIXED (NON REMOVABLE) PIN INSERTS AND CONTACTS. THE CONNECTOR IS WITHOUT PROVISIONS FOR CABLE CLAMPS OR TERMINATION SEALS.

PERFORMANCE:

THE APPLICABLE RAYCHEM SPECIFICATION FOR THIS PART IS C6111.
THIS PART IS NOT QUALIFIED TO C6111.

HUMIDITY
ALTITUDE IMMERSION
ALTITUDE-LOW TEMPERATURE
FLUID IMMERSION

THE CONNECTOR TERMINATION END MUST BE SUITABLY PROTECTED FOR TESTING OR APPLICATION IN ANY OF THESE ENVIRONMENTS.



RECOMMENDED PANEL CUT-OUT

TABLE 2		
PANEL THICKNESS	NUMBER OF PANEL WASHERS FOR EACH FASTENER	
0.031/0.036 [0.8]/[0.9]	2	
0.062/0.067 [1.5]/[1.7]	1	
0.093/0.097 [2.3]/[2.4]	0	

TABLE 3 	
WEIGHT [bs.[gr.] MAX.	
CONNECTOR SIZE	FLANGED
1 INCH	0.044 [19.96]

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DRAWN	DATE	SIZE	CODE IDENT. NO.	DWG. NO.	REV
		A	06090	MTC100-BY1-013	B
ISSUED	DATE	DO NOT SCALE THIS DRAWING EAS NAME 008111-2 DWG SHEET 2 OF 2			