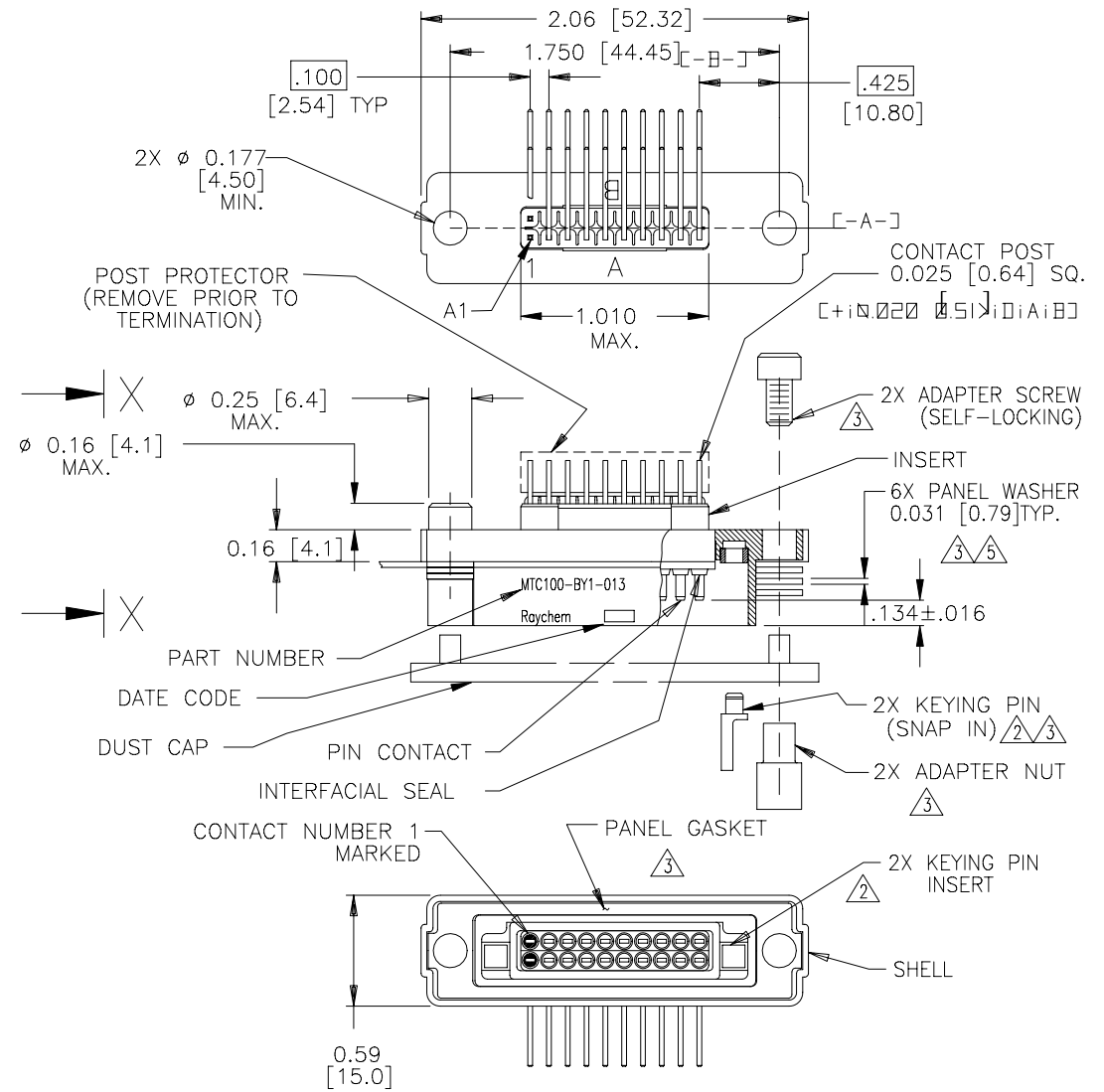
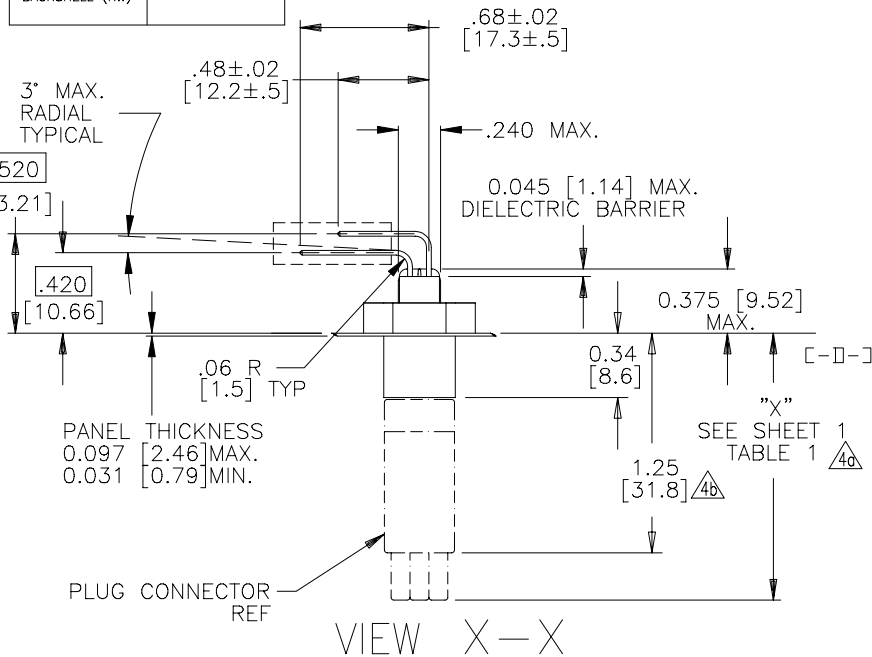


NOTES:

- A BOX MOUNT RECEPTACLE MATES WITH A MTC PLUG CONTAINING SOCKET INSERTS. REFER TO APPLICABLE RAYCHEM SPECIFICATION CONTROL DRAWING FOR DETAILS.
- FOR KEYING INFORMATION, SEE RAYCHEM DRAWING D-659-0080.
- THESE ITEMS ARE SUPPLIED UNASSEMBLED.
- DIMENSION SHOWN IS WITH MATED PLUG CONNECTOR:
 - WITH CABLE CLAMP
 - WITHOUT CABLE CLAMP AND WITHOUT EARS
- 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.
- SEE SHEET 2, TABLE 3, FOR WEIGHTS. WEIGHTS SHOWN ARE WITHOUT DUST CAP AND WITHOUT POST PROTECTOR.
- 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]



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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

DRAWN	AD	8/22/94
CHECKED	R.H.	8/22/94
APPROVED	R.HAGMANN	8/22/94
APPROVED		
CAD NAME	008111-1.DWG	
THIRD ANGLE PROJECTION		

Raychem		RAYCHEM CORPORATION 300 CONSTITUTION DRIVE MENLO PARK, CALIFORNIA 94025	
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
DO NOT SCALE THIS DRAWING		SHEET 1 OF 2	

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:

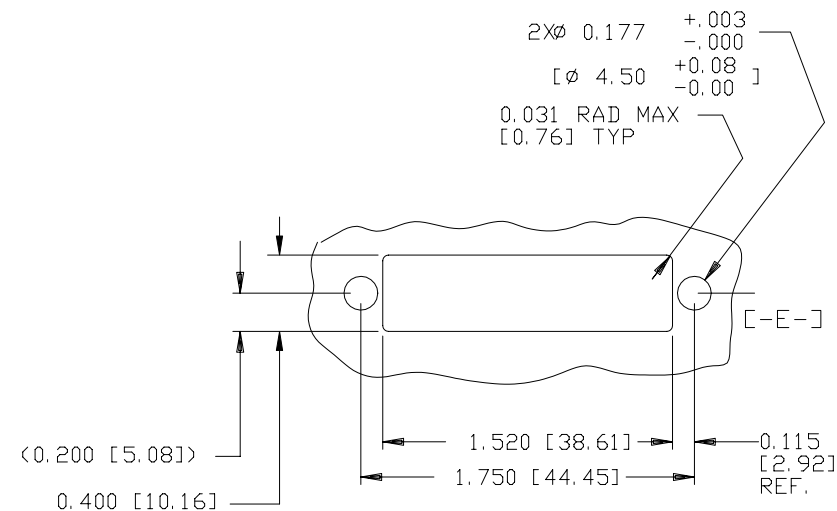
THE APPLICABLE RAYCHEM SPECIFICATION FOR THIS PART IS C6111.
THIS PART IS NOT QUALIFIED TO C6111.

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.

TABLE 2 	
PANEL THICKNESS	NUMBER OF PANEL WASHERS FOR EACH FASTENER
0.031/0.036 [0.81/[0.9]	2
0.062/0.067 [1.51/[1.7]	1
0.093/0.097 [2.31/[2.4]	0

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



RECOMMENDED PANEL CUT-OUT

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