

NOTES:

1. PART NUMBER VARIABLES: (SEE SHEET 2 FOR ADDITIONAL INFORMATION)
NOT ALL POSSIBLE CONFIGURATIONS SHOWN ON THIS DRAWING ARE AVAILABLE AS STANDARD PRODUCTS.
PLEASE CHECK WITH TE CONNECTIVITY TO CONFIRM AVAILABILITY.

MTC100-BXX-PXX-XXX
MODIFICATION NUMBER. REFER TO APPLICABLE MOD DESCRIPTION SHEET.
"BLANK WHEN NOT APPLICABLE"

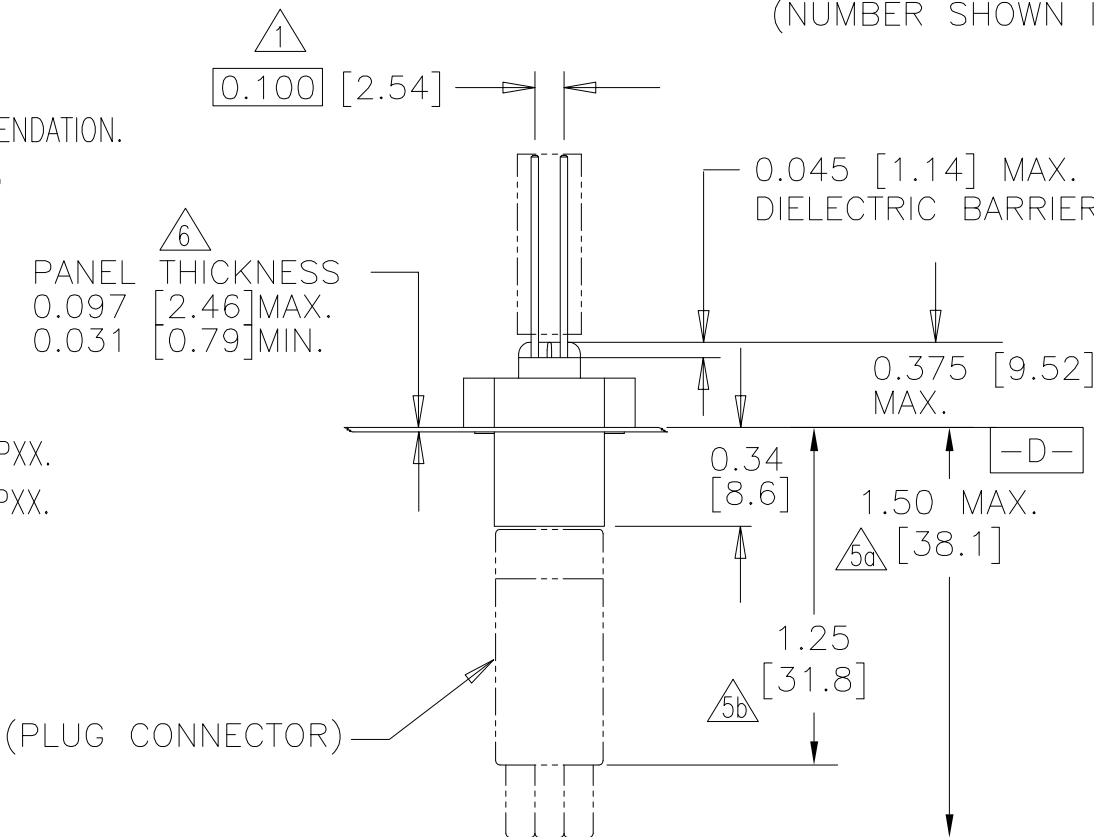
1=LONG TAIL
2=SHORT TAIL
3=90° IN "B" DIRECTION

2=NICKEL PLATE
3=CADMIUM OVER NICKEL PLATE

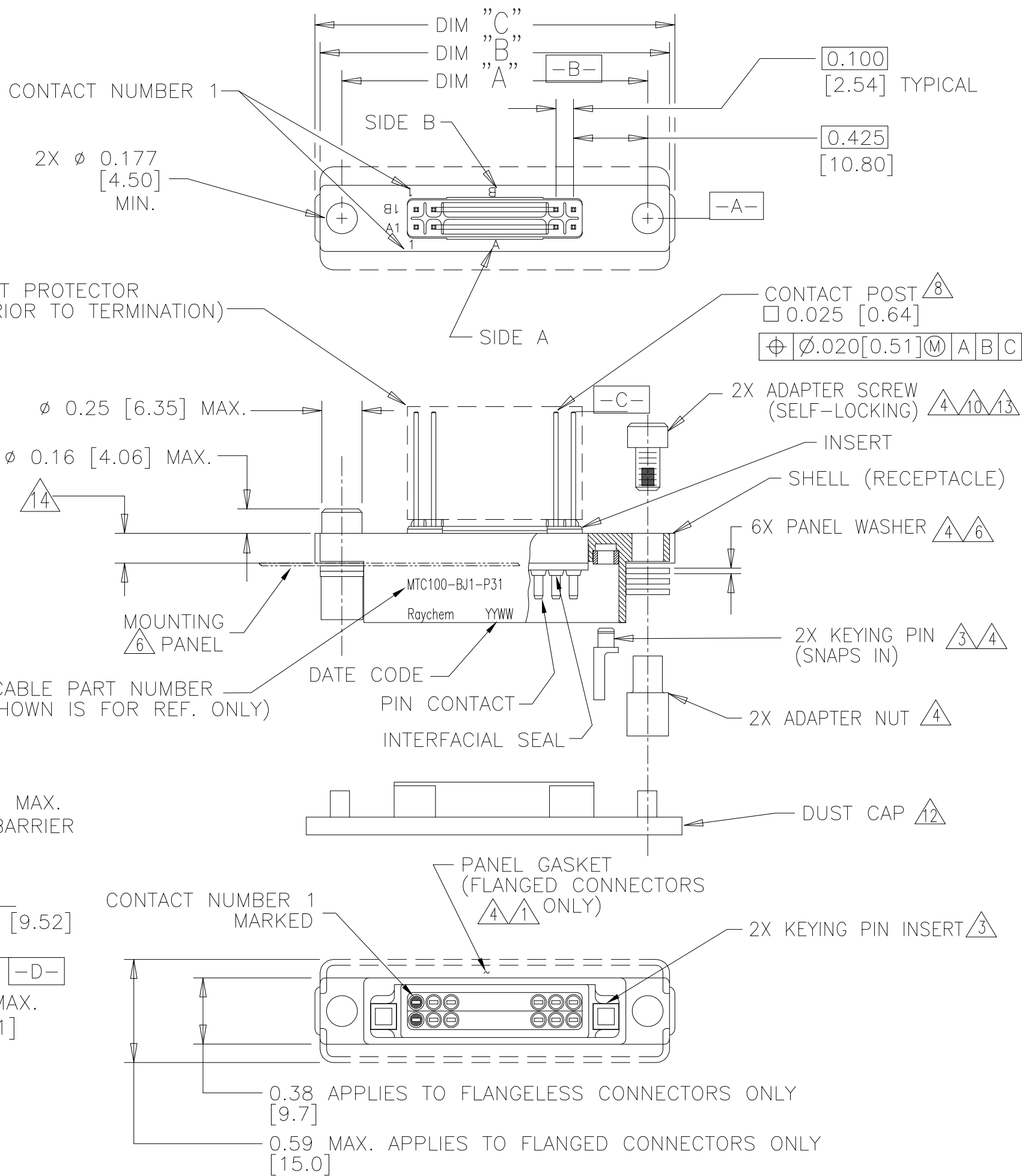
1=1 INCH
2=2 INCH

F=FLANGED WITH STANDARD PANEL GASKET
S=FLANGED/SHIELDED WITH EME PANEL GASKET
J=FLANGELESS
Y=SPECIALS: REFER TO INDIVIDUAL SPECIFICATION CONTROL DRAWINGS FOR DESCRIPTIONS

2. A BOX MOUNT RECEPTACLE MATES WITH A MTC PLUG CONTAINING SOCKET INSERTS.
REFER TO APPLICABLE TE CONNECTIVITY SPECIFICATION CONTROL DRAWING FOR DETAILS.
3. FOR KEYING INFORMATION, SEE TE CONNECTIVITY DRAWING D-659-0080.
4. THESE ITEMS ARE SUPPLIED UNASSEMBLED.
5. DIMENSION SHOWN IS WITH MATED PLUG CONNECTOR: a. WITH CABLE CLAMP
b. WITHOUT CABLE CLAMP AND WITHOUT EARS
6. 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, AND SHEET 3, FIGURE 2.
7. FOR FRONT PANEL MOUNTING OF A FLANGELESS CONNECTOR, USE HARDWARE KIT CHA-0038-00 AND REFER TO THAT SPECIFICATION CONTROL DRAWING FOR APPLICATION DETAILS.
8. WIRE WRAPPABLE POST DESIGNED BY STANDARD WIRE WRAP SPECIFICATION.
9. WHEN MOUNTING FLANGELESS CONNECTORS ADJACENT TO ONE ANOTHER AND USING THE .400 MINIMUM CENTERLINE LOCATION, THERE WILL BE NO WEB BETWEEN PANEL CUT-OUTS. SEE SHEET 3, FIGURE 2 FOR DETAILS.
10. KIT NUMBER CHA-0046 IS AVAILABLE FOR MOUNTING A CONNECTOR TO A PRINTED CIRCUIT BOARD. SEE SHEET 3, FIGURE 3 FOR HOLE PATTERN RECOMMENDATION.
11. SEE SHEET 3, TABLE 3, FOR WEIGHTS. WEIGHTS SHOWN ARE WITHOUT DUST CAP AND WITHOUT POST PROTECTOR.
12. DUST CAP SUPPLIED WITH ASSEMBLY.
13. TORQUE MOUNTING HARDWARE TO: 14-16 IN-LBS.
14. THE FLANGE THICKNESS IS DIFFERENT ACCORDING TO SHELL STYLE AND SIZE.
THE THICKNESS: 0.170 [4.32] FOR P/N MTC100-BF2-PXX AND MTC100-BS2-PXX.
THE THICKNESS: 0.160 [4.06] FOR P/N MTC100-BX1-PXX AND MTC100-BJ2-PXX.



VIEW W-W



CUSTOMER DRAWING

IF THIS DOCUMENT IS PRINTED IT BECOMES UNCONTROLLED.
CHECK FOR THE LATEST REVISION.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
METRIC DIMENSIONS ARE
IN BRACKETS.

DECIMALS
.XXX ± .005 { 0.13mm }
.XX ± .01 { 0.25mm }

ANGLES
.X ±

WEIGHT

RE-DRAWN	J.VALENTA	04/20/99
CHECKED		
APPROVED	M.HIGGY	04/23/99
APPROVED		
CAD NAME	MTC100-BXX-PXX-XXX	
THIRD ANGLE PROJECTION		

TE TE Connectivity

Raychem Interconnect
300 Constitution Drive
Menlo Park, CA 94025 U.S.A

TITLE
CONNECTOR, RECEPTACLE, BOX MOUNT,
.025 SQ., TERMINATION POST,
MTC100 SERIES

SIZE C	CAGE CODE: 06090	DWG. NO. MTC100-BXX-PXX-XXX	REV J1
SCALE: NONE		SHEET 1 OF 3	

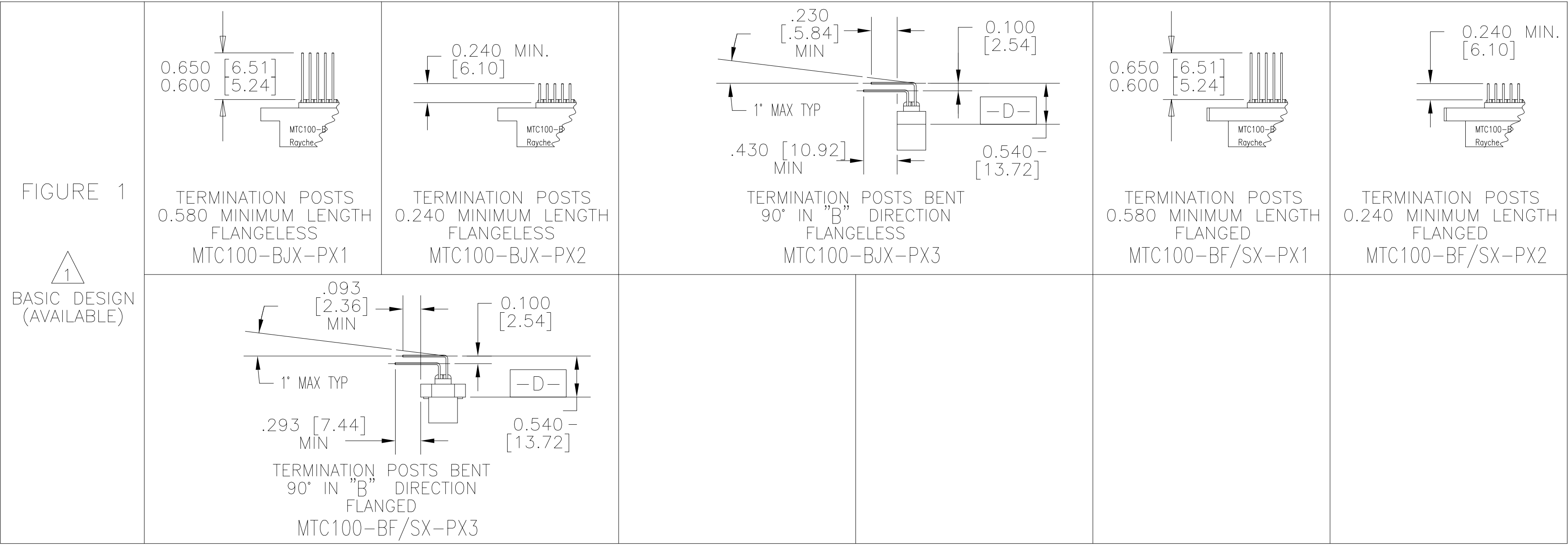


TABLE 1							
CONNECTOR SIZE	” A ”	” B ”	” C ”	” X ”	” Y ”	” Z ” (MIN)	
1 INCH	FLANGELESS	1.750 [44.45]	2.00 [50.8]		1.750 [44.45]	1.520 [38.61]	0.400 [10.16]
	FLANGED	1.750 [44.45]		2.06 [52.3]	1.750 [44.45]	1.520 [38.61]	0.600 [15.24]
2 INCH	FLANGELESS	2.750 [69.85]	3.00 [76.2]		2.750 [69.85]	2.520 [64.00]	0.400 [10.16]
	FLANGED	2.750 [69.85]		3.06 [77.7]	2.750 [69.85]	2.520 [64.00]	0.600 [15.24]

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
0.93/0.097 [2.3]/[2.4]	0

D

C

B

A

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CHECK FOR THE LATEST REVISION.

SIZE C	CAGE CODE: 06090	DWG. NO. MTC100-BXX-PXX-XXX		REV J 1
CAD NAME	MTC100-BXX-PXX-XXX	SCALE: NONE	SHEET 3 OF 3	

CAD NAME	MTC100-BXX-PXX-XXX	SCALE: NONE	SHEET 3 OF 3
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CAD NAME	MTC100-BXX-PXX-XXX	SCALE: NONE	SHEET 3 OF 3
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CAD NAME	MTC100-BXX-PXX-XXX	SCALE: NONE	SHEET 3 OF 3
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Technical drawing of a mechanical part, likely a bracket or flange, showing dimensions and tolerances. The drawing includes a central rectangular feature with two circular holes on either side. Dimensions are given in inches and millimeters, with tolerances in brackets. The drawing is oriented with a vertical centerline on the left and a horizontal centerline at the top.

Key dimensions and tolerances:

- Top horizontal dimension: $2X \ \varnothing \ 0.177$ with a tolerance of $+0.003 / -0.000$.
- Right vertical dimension: $\varnothing \ 4.50$ with a tolerance of $+0.08 / -0.00$.
- Right vertical dimension (lower): 0.031 [0.76] R. MAX. TYPICAL.
- Central rectangular feature: $\varnothing \ 0.005$ [0.13] (M) E F.
- Bottom horizontal dimension: Y (inches) and X (inches).
- Bottom horizontal dimension (right): (0.115) [(2.92)].
- Bottom horizontal dimension (left): $-F-$.
- Bottom horizontal dimension (right): $-E-$.

RECOMMENDED PANEL CUT-OUT $\triangle 6$

FIGURE 2