

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"

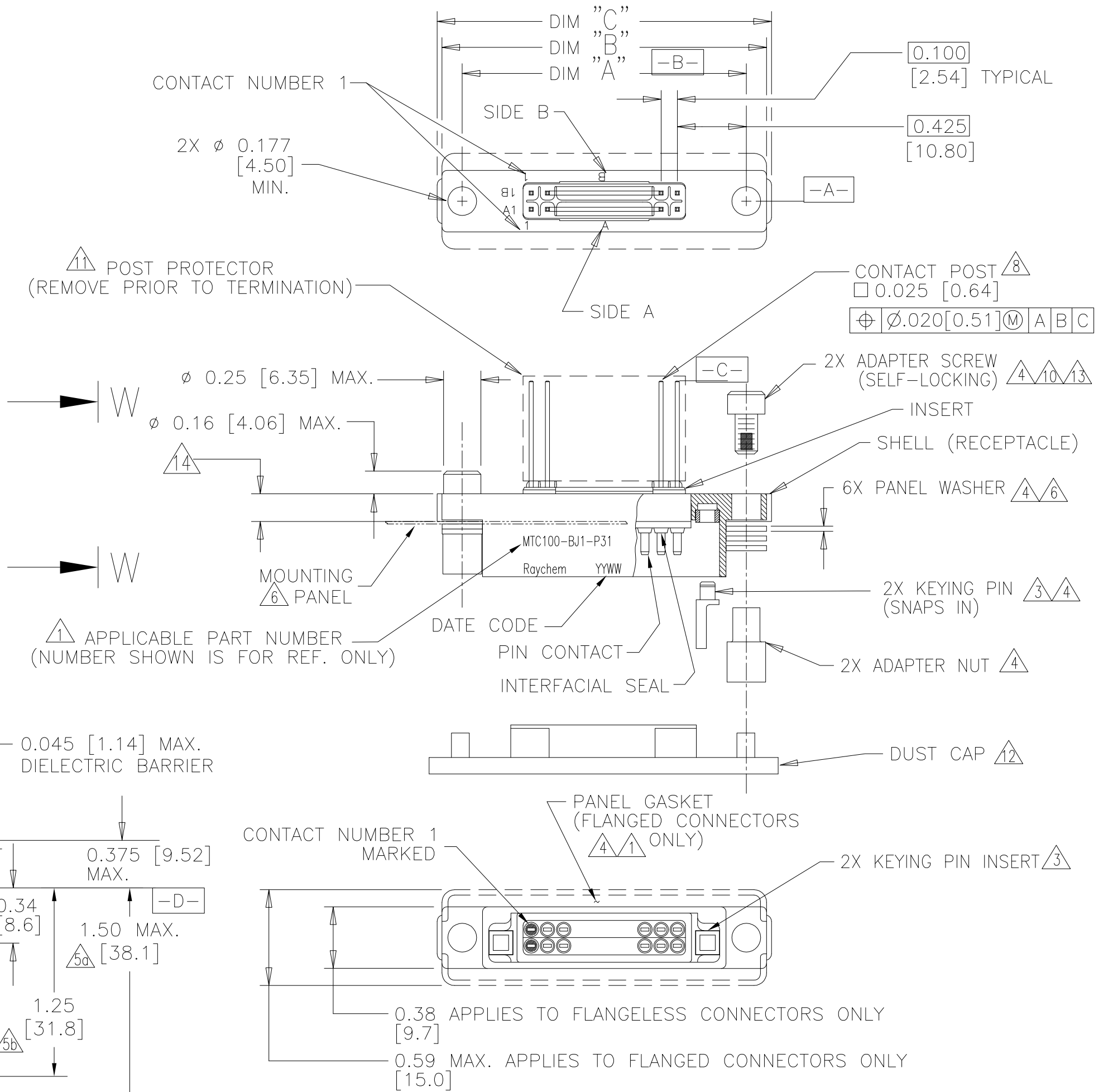
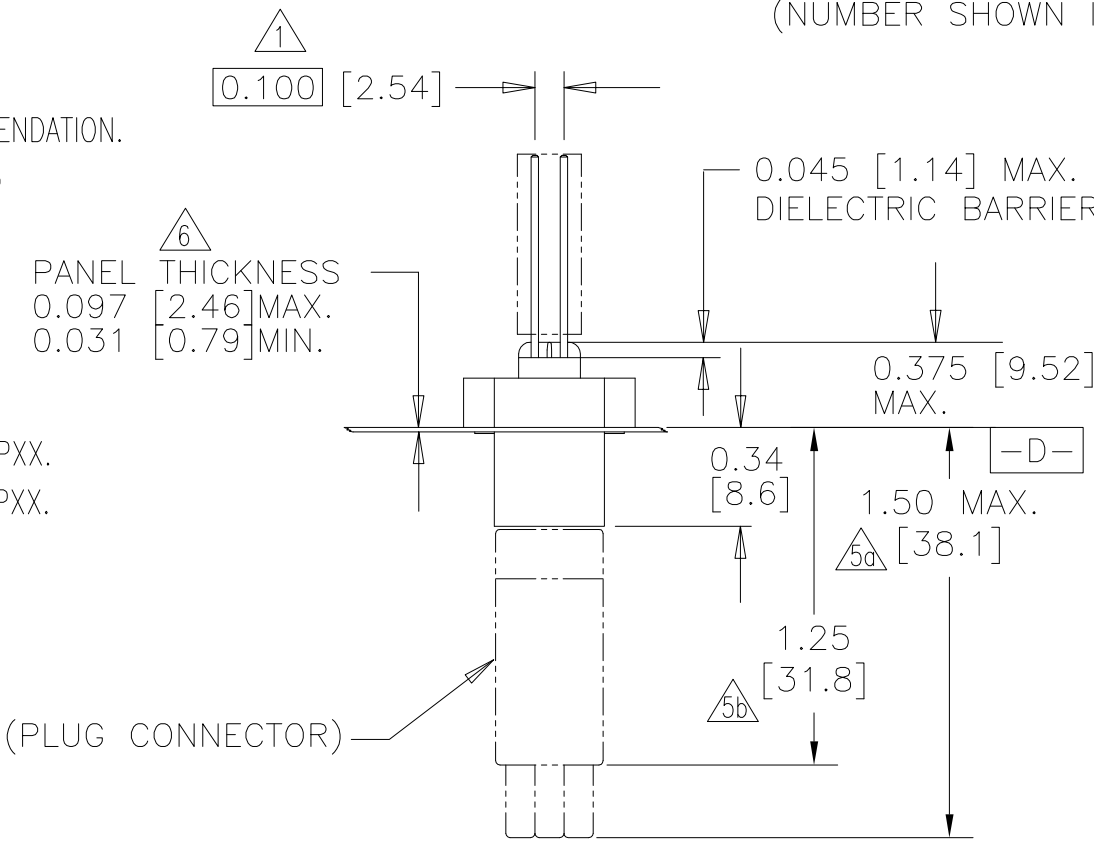
1=LONG TAIL
2=SHORT TAIL
3=90° IN "B" DIRECTION

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 $\pm$.005 { 0.13mm }
.XX $\pm$.01 { 0.25mm }

ANGLES
.X $\pm$

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	

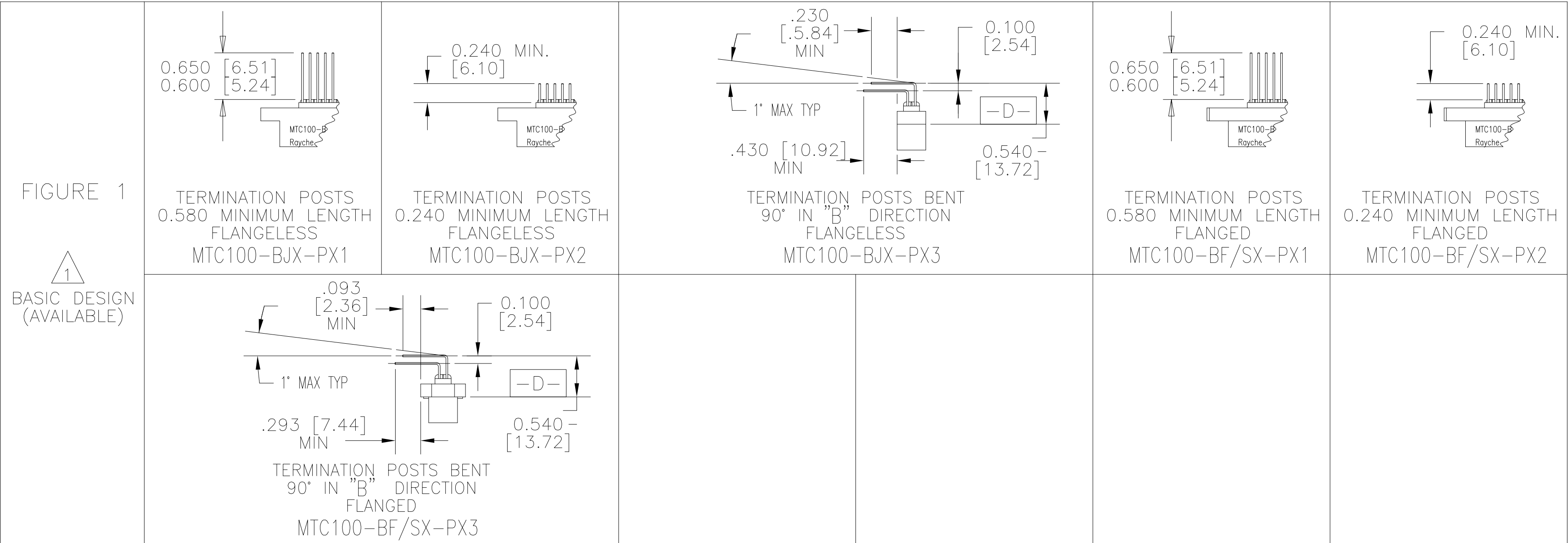


TABLE 1							
CONNECTOR SIZE	” A ”	” B ”	” C ”	” X ”	” Y ”	” Z ” (MIN)	
1 INCH	FLANGELESS	1.750 [44.45]	2.00 [50.8]		1.750 [44.45]	1.520 [38.61]	0.400 [10.16]
	FLANGED	1.750 [44.45]		2.06 [52.3]	1.750 [44.45]	1.520 [38.61]	0.600 [15.24]
2 INCH	FLANGELESS	2.750 [69.85]	3.00 [76.2]		2.750 [69.85]	2.520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

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CUSTOMER DRAWING

SIZE C	CAGE CODE: 06090	DWG. NO. MTC100-BXX-PXX-XXX	REV. J1
CAD NAME: MTC100-BXX-PXX-XXX		SCALE: NONE	SHEET 2 OF 3

A

- A. SHELL
- B. ADAPTER SCREW
- C. ADAPTER NUT
- D. STANDARD PANEL C
EMI PANEL GASKET
- E. INSERT
- F. INTERFACIAL SEAL
- G. KEYING PIN
- H. PIN CONTACT
- I. PANEL WASHER
- J. KEYING PIN INSERT

ALUMINUM ALLOY PER ASTM B85 / B85M
STAINLESS STEEL PER SAE-AMS-QQ-S-763, 300 SERIES
STAINLESS STEEL PER SAE-AMS-QQ-S-763, 300 SERIES
SILICONE ELASTOMER PER MIL-STD-25988
CONDUCTIVE ELASTOMER PER MIL-DTL-83528 TYPE C, GRAY.
HIGH GRADE POLARYLENE THERMOPLASTIC, MOLDED
FLUOROSILICONE PER MIL-DTL-25988
HIGH GRADE POLARYLENE THERMOPLASTIC, MOLDED
COPPER ALLOY PER ASTM B139 / B139M
STAINLESS STEEL PER SAE-AMS-QQ-S-763 OR ASTM B240, 300 SERIES
HIGH GRADE POLARYLENE THERMOPLASTIC, MOLDED

- A. SHELL
- B. ADAPTER SCREW
- C. ADAPTER NUT
- D. PANEL WASHER
- E. PIN CONTACT

APPLIES TO CADMIUM
PLATED CONNECTORS

NICKEL PLATED PER SAE-AMS-C-26074
CLASS 3, GRADE B

PASSIVATED PER SAE-AMS-QQ-P-35

PASSIVATED PER SAE-AMS-QQ-P-35

PASSIVATED PER SAE-AMS-QQ-P-35

GOLD PLATED PER ASTM B488 TYPE 2,
GRADE C

CADMIUM PLATED PER SAE-AMS-QQ-P-416
OVER NICKEL UNDERPLATE

CADMIUM PLATED PER SAE-AMS-QQ-P-416

CADMIUM PLATED PER SAE-AMS-QQ-P-416

CADMIUM PLATED PER SAE-AMS-QQ-P-416

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.

THESE CONNECTORS MEET THE APPLICABLE REQUIREMENTS OF TE CONNECTIVITY SPECIFICATION C-6111.

PERFORMANCE; SHELL BE IN ACCORDANCE WITH C-6111, EXCEPT AS FOLLOWS

HUMIDITY
ALTITUDE IMMERSION
ALTITUDE – LOW TEMPERATURE
FLUID IMMERSION

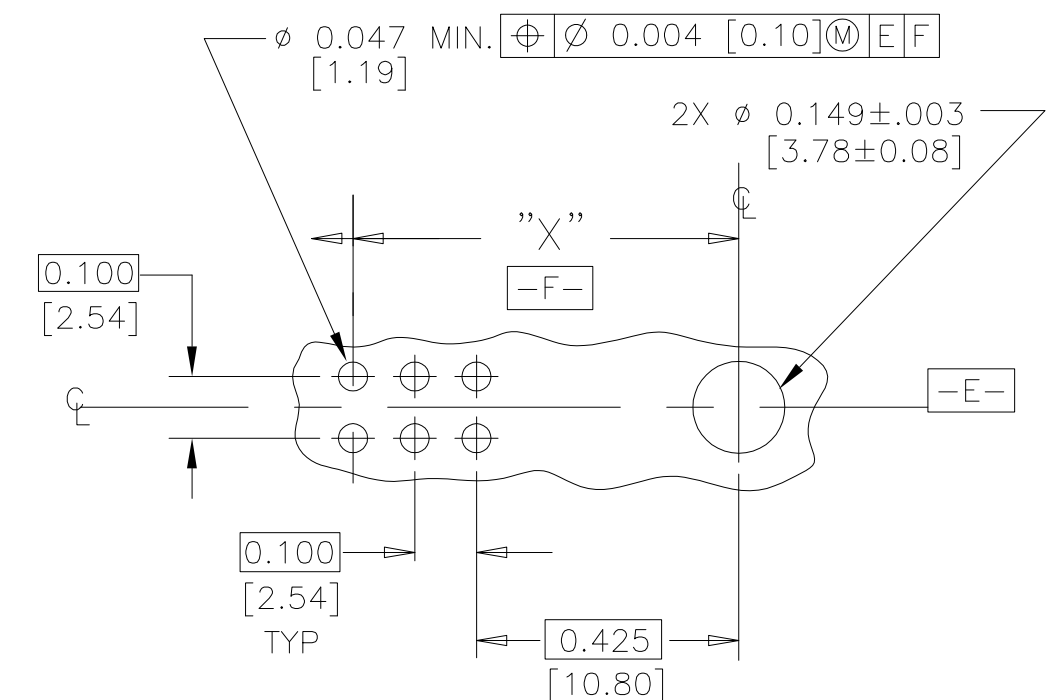
THE CONNECTOR TERMINATION END
MUST BE SUITABLY PROTECTED
FOR TESTING OR APPLICATION IN
ANY OF THESE ENVIRONMENTS.

TABLE 3

TABLE 3	
PART NUMBER	WEIGHT MAXIMUM GRAMS
MTC100-BF1-P32	23.0
MTC100-BF2-P32	33.2

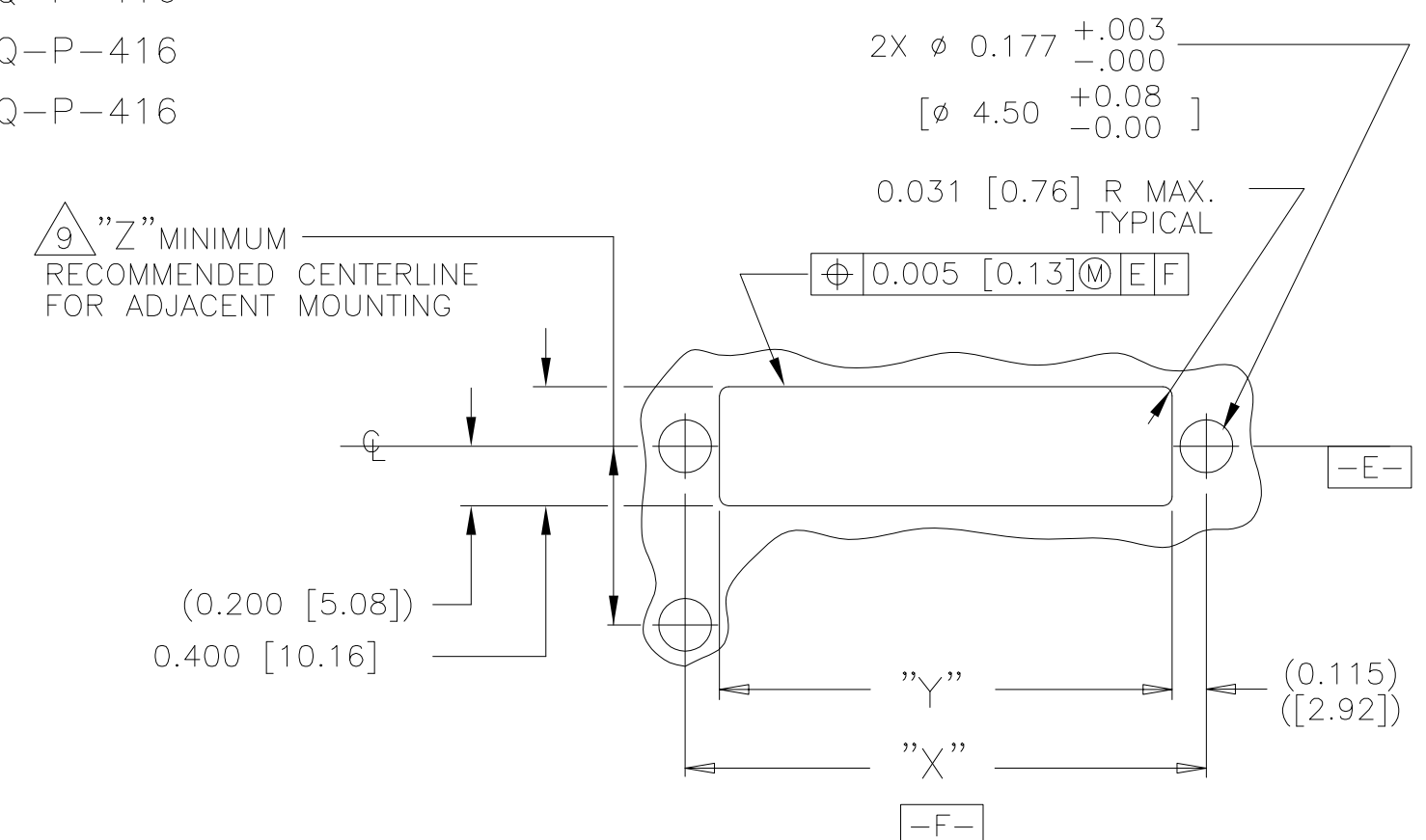
THE FOLLOWING TABLE CONSISTS OF WEIGHTS
FOR THESE SPECIFIC PART NUMBERS Δ

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10 RECOMMENDED HOLE PATTERN AND SIZE
FOR PRINTED CIRCUIT BOARDS

FIGURE 3



RECOMMENDED PANEL CUT-OUT 

FIGURE 2

CUSTOMER DRAWING

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



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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