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REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
G	REVISED PER ECN T-17996	01/08/93	R.LOVADO
H	REDRAWN ON CAD PER ECN T-22751	04/29/99	J.VALENTA

NOTES:

1. PART NUMBER VARIABLES: NOT ALL POSSIBLE CONFIGURATIONS SHOWN ON THIS DRAWING ARE AVAILABLE AS STANDARD PRODUCTS. PLEASE CHECK WITH RAYCHEM TO CONFIRM AVAILABILITY.

MTC100-BXX-SXX-XXX

THIS FIELD OF NUMBERS IS REPLACED BY 3 DIGITS (-001 / -999) FOR SPECIALS

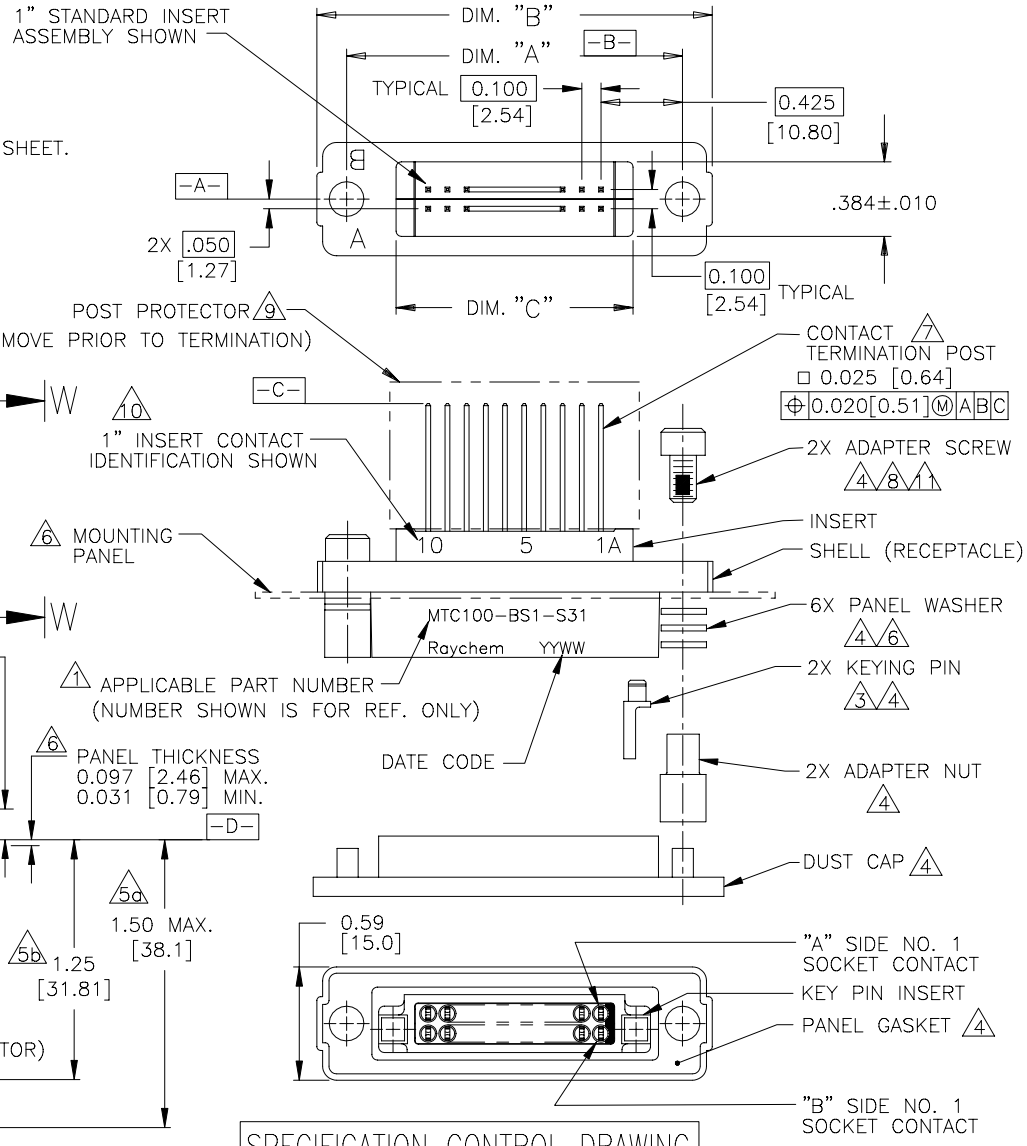
10 MODIFICATIONS: REFER TO APPLICABLE MOD DESCRIPTION SHEET. "BLANK WHEN NOT APPLICABLE"

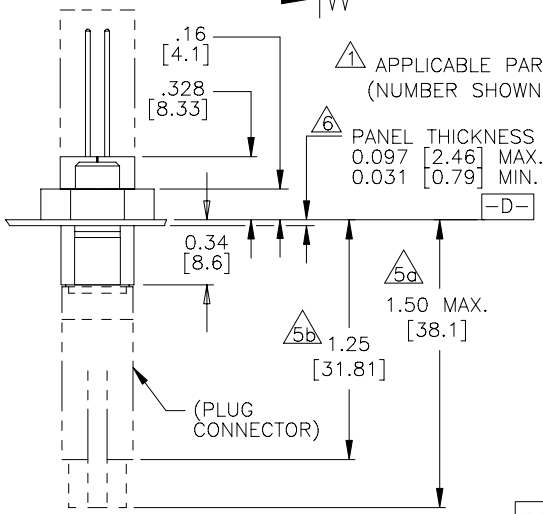
POST CONFIGURATIONS 10
- 1 = LONG POST
- 2 = SHORT POST
- 3 = POST BENT 90° "B" DIRECTION

FINISH
- 2 = NICKEL PLATED
- 3 = CADMIUM OVER NICKEL PLATED

SIZE
- 1 = 1 INCH
- 2 = 2 INCH

STYLE
- 10 C = FLANGED WITH CONDUCTIVE PANEL GASKET AND EXTERNAL MOUNTING HARDWARE
- 10 D = FLANGED WITH FLUOROSILICONE PANEL GASKET AND EXTERNAL MOUNTING HARDWARE
- F = FLANGED WITH FLUOROSILICONE PANEL GASKET
- S = FLANGED WITH CONDUCTIVE PANEL GASKET
- Y = SPECIAL (REFER TO INDIVIDUAL SPECIFICATION CONTROL DRAWINGS FOR DESCRIPTIONS)





VIEW W-W

2. A SOCKET BOXMOUNT RECEPTACLE MATES WITH A MTC PLUG CONTAINING PIN INSERTS. REFER TO APPLICABLE RAYCHEM SPECIFICATION CONTROL DRAWINGS FOR DETAILS.

3. FOR KEYING INFORMATION, SEE RAYCHEM 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 BOXMOUNT RECEPTACLE IS REAR PANEL MOUNTED AS SHOWN BY REMOVING AS MANY PANEL WASHERS AS REQUIRED TO ACCOMMODATE THE THICKNESS OF THE PANEL BEING USED. REFER TO SHEET 3, FIGURE 4 AND TABLE 2.

7. WIRE WRAPPABLE TERMINATION POST DESIGNED TO MIL-STD-1130.

8. KIT NUMBER CHA-0046-XXX IS AVAILABLE FOR MOUNTING A CONNECTOR TO A PRINTED CIRCUIT BOARD. SEE SHEET 3, FIGURE 3 FOR THE HOLE PATTERN RECOMMENDATION.

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

10. SEE SHEET 2 FIGURES FOR CONFIGURATION VARIATIONS.

11. TORQUE MOUNTING HARDWARE TO: 14-16 IN-LBS

SPECIFICATION CONTROL DRAWING

THIS DRAWING AND THE INFORMATION SET FORTH HEREON ARE THE PROPERTY OF RAYCHEM CORPORATION. PUBLICATION, DUPLICATION, DISCLOSURE OR USE FOR ANY PURPOSE OTHER THAN THE CUSTOMER'S DIRECT NEEDS FOR THE APPLICATION CONCERNED, ARE PROHIBITED. RAYCHEM RESERVES THE RIGHT TO AMEND THE DRAWING AT ANY TIME. RAYCHEM'S OBLIGATIONS SHALL ONLY BE AS SET FORTH IN RAYCHEM'S TERMS AND CONDITIONS OF SALE OF THIS PRODUCT. USERS SHOULD INDEPENDENTLY EVALUATE THE SUITABILITY OF THIS PRODUCT FOR THEIR APPLICATION.

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

DECIMALS
.XXX ±.005 [0.13 mm]
.XX ±.02 [0.51 mm]
ANGLES
.X ±

WEIGHT 9

RE-DRAWN	J.VALENTA	04/20/98
CHECKED		
APPROVED	M.HIGGY	04/26/98
APPROVED		
CAD NAME	T22751a.DWG	
THIRD ANGLE PROJECTION		

Raychem
RAYCHEM CORPORATION
300 CONSTITUTION DRIVE
MENLO PARK, CALIFORNIA 94025

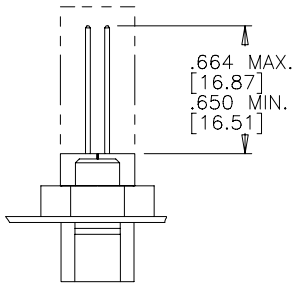
TITLE
CONNECTOR, RECEPTACLE, FLANGED, BOXMOUNT, SOCKET, .025 SQ. TERMINATION POST, MTC100 SERIES

SIZE	CODE IDENT. NO.	DWG. NO.	REV
C	06090	MTC100-BXX-SXX-XXX 1	H

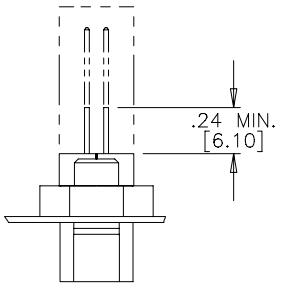
DO NOT SCALE THIS DRAWING | SHEET 1 OF 3

SHEET 1
DWG NO. MTC100-BXX-SXX-XXX

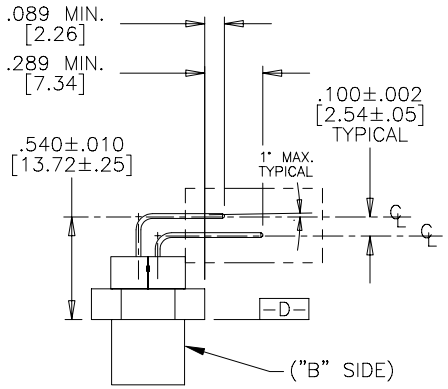
10 FIGURE 1
BASIC DESIGN VARIATIONS



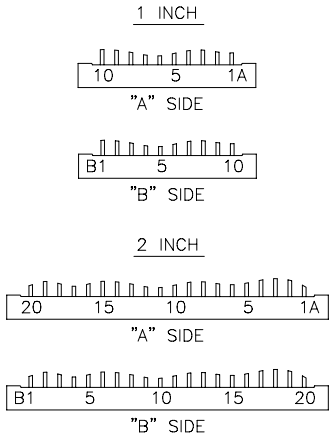
LONG TERMINATION POSTS
MTC100-BF/SX-SX1



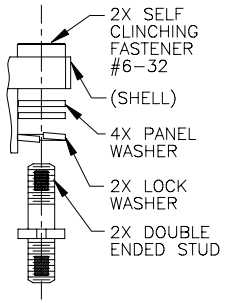
SHORT TERMINATION POSTS
MTC100-BF/SX-SX2



TERMINATION POSTS BENT
90° IN "B" DIRECTION
MTC100-BF/SX-SX3



INSERT
SOCKET CONTACT NUMBERING
IDENTIFICATION



SAME AS STANDARD EXCEPT
SUPPLIED WITH DOUBLE-ENDED STUD
HARDWARE AND PRE-INSTALLED
SELF-CLINCHING NUT

REQUIRES RAYCHEM INSTALLATION
TOOL CE-1605800 (ORDERED SEPARATELY)

STYLE VARIABLE: C AND D
1 11

SHEET 2
DWG NO. MTC100-BXX-SXX-XXX

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SIZE	CODE IDENT. NO.	DWG. NO.	REV
C	06090	MTC100-BXX-SXX-XXX	H
DO NOT SCALE THIS DRAWING		CAD NAME T22751b.DWG	SHEET 2 OF 3

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 EME PANEL GASKET	SILICONE ELASTOMER PER MIL-R-25988 CONDUCTIVE FLOROSILICONE
E. INSERT	HIGH GRADE THERMOPLASTIC DIELECTRIC
F. KEYING PIN	HIGH GRADE THERMOPLASTIC DIELECTRIC
G. SOCKET CONTACT	COPPER ALLOY 172 PER QQ-C-533
H. PANEL WASHER	STAINLESS STEEL PER QQ-S-763, 300 SERIES
J. KEYING PIN INSERT	HIGH GRADE THERMOPLASTIC DIELECTRIC

FINISH:

	APPLIES TO NICKEL PLATED CONNECTORS (STANDARD PLATING)	APPLIES TO CADMIUM PLATED CONNECTORS
A. SHELL	NICKEL PLATED PER MIL-C-26074 CLASS 3, GRADE B	CADMIUM PLATED PER QQ-P-416 OVER NICKEL UNDERPLATE
B. ADAPTER SCREW	PASSIVATED PER QQ-P-35	CADMIUM PLATED PER QQ-P-416
C. ADAPTER NUT	PASSIVATED PER QQ-P-35	CADMIUM PLATED PER QQ-P-416
D. PANEL WASHER	PASSIVATED PER QQ-P-35	CADMIUM PLATED PER QQ-P-416
E. SOCKET CONTACT	ENGAGING END – GOLD PLATED PER MIL-G-45204 TYPE 1, GRADE C, CLASS 1	

DESIGN AND CONTRUCTION:

THE CONNECTORS SPECIFIED HEREIN ARE PANEL MOUNTED RECEPTACLES WITH FIXED (NON-REMOVABLE) SOCKET 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.

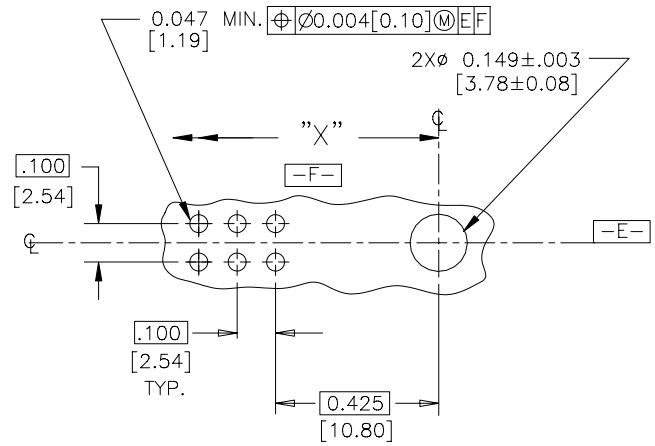

FIGURE 3 (8)

RECOMMENDED HOLE PATTERN AND SIZE FOR PRINTED CIRCUIT BOARDS

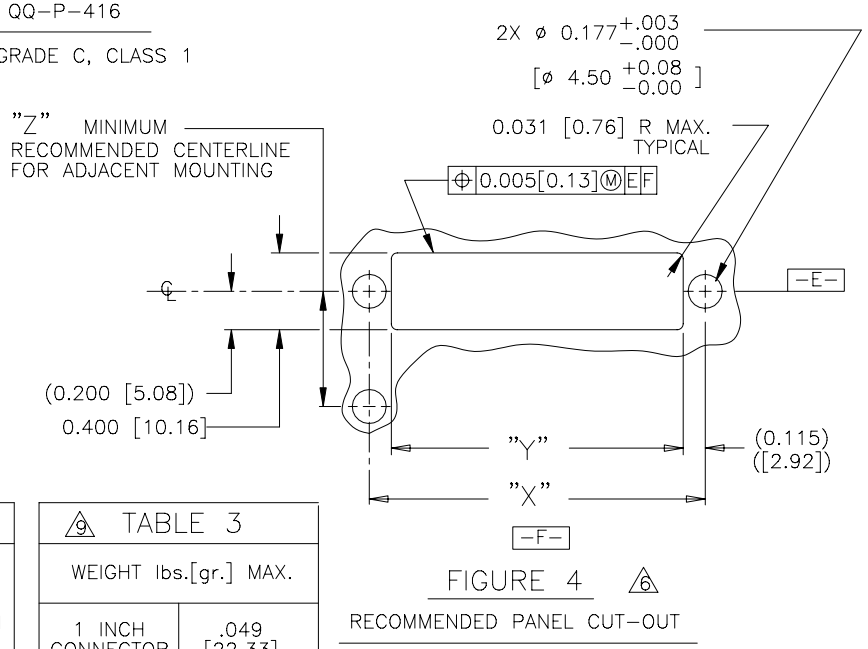

FIGURE 4 (6)

RECOMMENDED PANEL CUT-OUT

TABLE 1

CONNECTOR SIZE	"A"	"B"	"C"	"X"	"Y"	"Z"
1 INCH	1.750 [44.45]	2.06 [52.3]	1.234 [31.34]	1.750 [44.45]	1.520 [38.61]	0.600 [15.24]
2 INCH	2.750 [69.85]	3.06 [77.7]	2.234 [56.74]	2.750 [69.85]	2.520 [64.00]	0.600 [15.24]

(6) 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

(9) TABLE 3

WEIGHT lbs.[gr.] MAX.	
1 INCH CONNECTOR	.049 [22.33]
2 INCH CONNECTOR	.068 [30.82]

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SIZE	CODE IDENT. NO.	DWG. NO.	REV
C	06090	MTC100-BXX-SXX-XXX	H
DO NOT SCALE THIS DRAWING	CAD NAME T22751c.DWG	SHEET 3 OF 3	

SHEET 3
DWG NO. MTC100-BXX-SXX-XXX

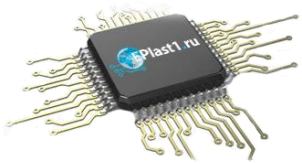
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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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Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.