

NOTES:

1. PART NUMBER VARIABLE:

MTC50-EXX-X12
P= PIN
S= SOCKET
1= 1 INCH
2= 2 INCH
A= "A" INSERT
B= "B" INSERT

2. MATERIAL:

A) PIN OR SOCKET INSERT HIGH GRADE POLYARYLENE THERMOPLASTIC OR EQUIVALENT
B) PIN OR SOCKET CONTACT COPPER ALLOY 172 PER QQ-C-533
C) INTERFACIAL SEAL SILICONE ELASTOMER PER MIL-R-25988
D) TERMINATION MODULE TRANSPARENT BLUE HEAT SHRINKABLE, RADIATION CROSS LINKED PVF₂
E) FLAT CABLE SEAL MODIFIED THERMOPLASTIC HOT MELT SEALANT
F) INSERT SEAL MODIFIED THERMOPLASTIC HOT MELT SEALANT

3. FINISH:

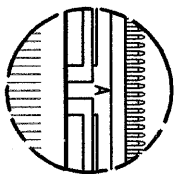
A) PIN OR SOCKET INSERT AS MOLDED
B) PIN OR SOCKET CONTACT (ENGAGING END) GOLD PLATE PER MIL-G-45204, TYPE I, GRADE C, CLASS I OVER SUITABLE UNDERPLATE
C) CONTACT TAIL SOLDER COATED PER QQ-S-571 (Sn63), FLUX COATED PER QQ-S-571, TYPE RMA

4. NUMBER ONE POSITION IS MARKED AS SHOWN IN CONTRASTING COLOR ON INTERFACE.

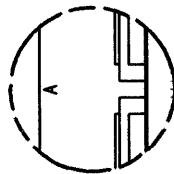
5. THE APPLICABLE RAYCHEM SPECIFICATION FOR THIS PART IS C6111. THIS PART IS NOT QUALIFIED TO C6111.

6. THIS INSERT IS FOR USE WITH 28 GAGE FLAT CONDUCTOR CABLE PER RAYCHEM SPECIFICATION TU*050 28B. CONSULT FACTORY FOR RAYCHEM ENGINEERING STANDARD FOR TERMINATION METHOD.

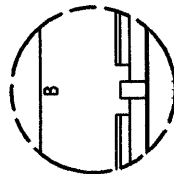
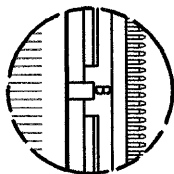
TABULATION					
SIZE		WEIGHT		DIM. "Y"	DIM. "Z"
		MAXIMUM			
1 INCH INSERT	PIN	.0058	[2.63]	1.12	1.035
	SOC	.0067	[3.039]	[28.5]	[26.30]
2 INCH INSERT	PIN	.0113	[5.126]	2.12	2.035
	SOC	.0131	[5.942]	[53.85]	[51.69]



PIN

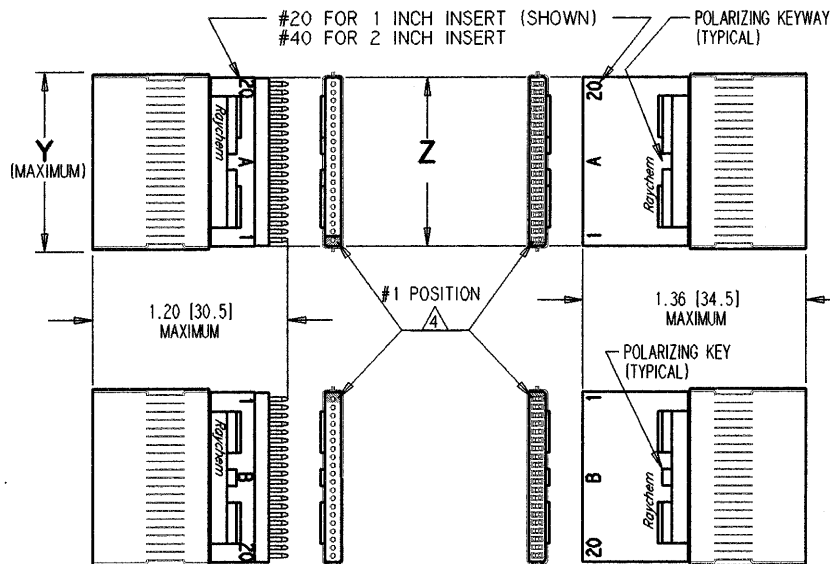


SOCKET



AUXILLARY VIEW
SHOWING 2 INCH INSERT
POLARIZING KEY/KEYWAY CONFIGURATIONS

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
H	REVISED PER ECN T-017866	6 NOV 92	JCB

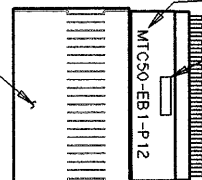


PIN INSERT

INTERFACIAL SEAL

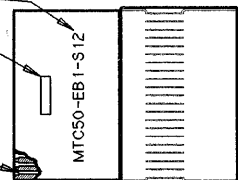
SOCKET INSERT

TERMINATION MODULE
COMMON TO PIN AND
SOCKET ASSEMBLIES
(INCLUDES INSERT
SEAL AND FLAT
CABLE SEAL)



PART NUMBER
DATE CODE

PIN CONTACTS
20 EACH FOR 1 INCH INSERT
40 EACH FOR 2 INCH INSERT
EQUALLY SPACED (.050 [1.27])



If this document is printed it becomes uncontrolled.
Check with the web for latest revision.

SPECIFICATION CONTROL DRAWING

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. METRIC DIMENSIONS ARE IN BRACKETS.	DRAWN	LUTTICKEN	87NOV09	Raychem RAYCHEM CORPORATION 300 CONSTITUTION DRIVE MENLO PARK, CALIFORNIA 94025			
	CHECKED	J.B.					
	APPROVED	J.BLAIR	12-4-87	TITLE ASSEMBLY, INSERT, FLAT CONDUCTOR CABLE, TEMPERATURE RATING 125°C			
	APPROVED						
DECIMALS .XXX ± .005 { .13 mm } .XX ± { mm }	CAD NAME 001020			MTC50 SERIES			
ANGLES .X ±	THIRD ANGLE PROJECTION 						
WEIGHT: MAXIMUM SEE TABULATION				SIZE C	CODE IDENT. NO. 06090	DWS. NO. MTC50-EXX-X12	REV H
				DO NOT SCALE THIS DRAWING		SHEET 1 OF 1	

MTC50-EXX-X12

A

SHEET 1 OF 1