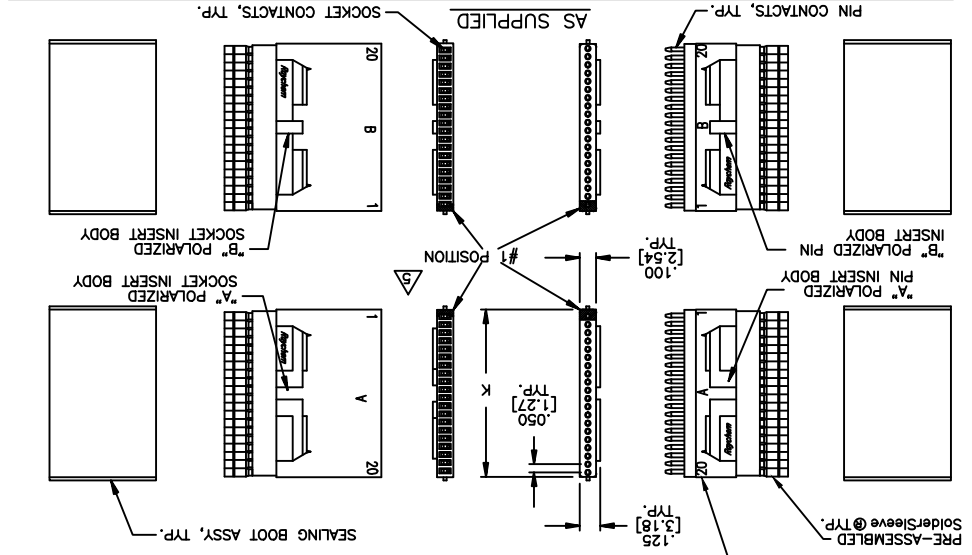


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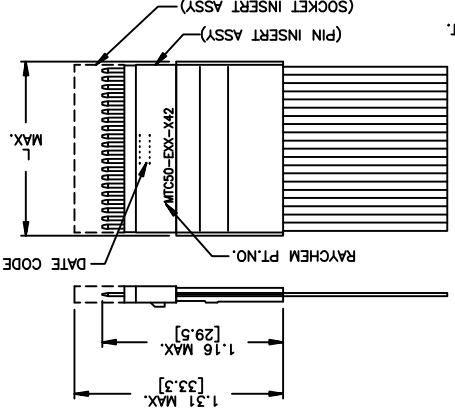
REV	DATE	DESCRIPTION	APPROVED
B1	96/1/30	REVISIONS	M.HIGGY
B	96/6/2011	ADMINISTRATIVE CHANGE PER ECO-11-024448	M.HIGGY

NOTES:

- PART NUMBER VARIABLE:  
MTC50-EXX-XXX  
P42 = PIN INSERT, S96, PASS  
S42 = SOCKET INSERT, S96, PASS  
1 = 1 INCH INSERT  
2 = 2 INCH INSERT  
A = "A" INSERT  
B = "B" INSERT
- THIS PART IS QUALIFIED TO CB111.  
2. THE APPLICABLE RAYCHEM SPECIFICATION FOR THIS PART IS C6111.
- MATERIAL:  
A. SEALING BOOT: TRANSPARENT BLUE HEAT SHRINKABLE, MODIFIED THERMOPLASTIC HOT MELT SEALANT.  
B. CABLE & INSERT SEALS: HIGH GRADE POLYARYLENE THERMOPLASTIC OR EQUIVALENT.  
C. INSERT BODY: COPPER ALLOY C17200 PER ASTM B194.  
D. PIN/SOCKET CONTACTS: PRE-ASSEMBLED SEE RAYCHEM SPECIFICATION CONTROL DRAWING D-141-0169.  
E. FINISH: Solder sleeves  
A. PIN/SOCKET INSERT: AS MOLDED  
B. PIN/SOCKET CONTACTS: GOLD PLATED PER MIL-G-45204, TYPE 1, GRADE C, CLASS 1 OVER SUITABLE UNDERPLATE.  
SOLDER COATED PER QQ-S-571, S96, FLUX COATED PER QQ-S-571, TYPE RMA.
- FINISH:  
A. PIN/SOCKET INSERT: AS MOLDED  
B. PIN/SOCKET CONTACTS: GOLD PLATED PER MIL-G-45204, TYPE 1, GRADE C, CLASS 1 OVER SUITABLE UNDERPLATE.  
SOLDER COATED PER QQ-S-571, S96, FLUX COATED PER QQ-S-571, TYPE RMA.
- POSITION IS MARKED IN CONTRASTING COLOR.
- DIELECTRIC WITHSTANDING VOLTAGE:  
TEST CONDITION (MATED)  
TEST VOLTAGE VAC RMS AT 60 HZ.  
SEA LEVEL  
ALTITUDE 70,000 FT.  
(33.5 TORR) AMBIENT TEMP.  
500  
ALTITUDE 80,000 FT.  
(20.6 TORR) -50°C TEMP.  
375
- CURRENT RATING: 2.0 AMPS PER CONTACT.  
8. USABLE WIRE SIZE:  
FLAT CONDUCTOR CABLE: 28 AWG  
TERMINATION METHOD:  
CONSULT FACTORY FOR RAYCHEM ENGINEERING STANDARD FOR TERMINATION METHOD.
- THE CORRECT MATING PART FOR A RAYCHEM MTC50 PIN INSERT IS A RAYCHEM MTC50 SOCKET INSERT. THE SPECIFIED PERFORMANCE OF THIS CONNECTOR IS BASED ON TEST PERFORMANCE WHEN ASSEMBLED WITH THE CORRECT MATING PART.



DESCRIPTION	1" INSERT	2" INSERT
WEIGHT (MAXIMUM)	.074 LBS. [3.57 gm]	.147 LBS. [6.68 gm]
L	1.140 [28.96]	2.140 [54.36]
K	1.035 [26.29]	2.035 [51.69]



Raychem MTC CUSTOMER DRAWING

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. METRIC DIMENSIONS ARE IN BRACKETS.	DRAWN	MCHOBSON	90NOV29	CHECKED	
	APPROVED	AKN	90DEC11		
	APPROVED	EZ	90DEC11		
TITLE	INSERT, PASS TERMINATION, S96, 125 CELSIUS DEGREE OPERATING TEMPERATURE, FLAT CABLE CONDUCTOR, 28 AWG, MTC50 SERIES				
SIZE	CAGE CODE	SCALE: NONE			
	06090				
REV	DWG. NO.	MTC50-EXX-P42/S42			
B1	SHEET 1 OF 1				

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