REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
C	REVISE PER DCR# T-30858	5/13/2002	M.PIOZET

NOTES:

1. PART NUMBER VARIABLE:

MTC50-YXX-XXX

- 015 = PIN INSERT
- 016 = SOCKET INSERT
- 1 = 1" INSERT
- 2 = 2" INSERT
- A = "A" INSERT
- B = "B" INSERT

2. THE APPLICABLE *TYCO ELECTRONICS* SPECIFICATION FOR THIS PART IS C6111. THIS PART IS QUALIFIED TO C6111.

3. MATERIAL:

	SEE SCD CTA-024X
A. SEALING MODULE:	TRANSPARENT BLUE HEAT SHRINKABLE, RADIATION CROSS-LINKED PVF.
B. WIRE AND INSERT SEALS:	MODIFIED THERMOPLASTIC HOT MELT SEALANT.
C. INSERT BODY:	HIGH GRADE POLYARYLENE THERMOPLASTIC OR EQUIVALENT.
D. PIN/SOCKET CONTACTS:	COPPER ALLOY 172 PER QQ-C-533.
E. SolderSleeve:	SEE RAYCHEM SPECIFICATION CONTROL DRAWING D-141-0169.

4. FINISH:

A. PIN/SOCKET INSERT:	AS MOLDED
B. PIN/SOCKET CONTACT: (ENGAGING END)	GOLD PLATE PER MIL-G-45204 TYPE 1, GRADE C, CLASS 1 OVER SUITABLE UNDERPLATE.
(TERMINATION END)	SOLDER COATED PER QQ-S-571. Sn96. FLUX COATED PER QQ-S-571, TYPE RMA.

5. #1 POSITION IS MARKED IN CONTRASTING COLOR.

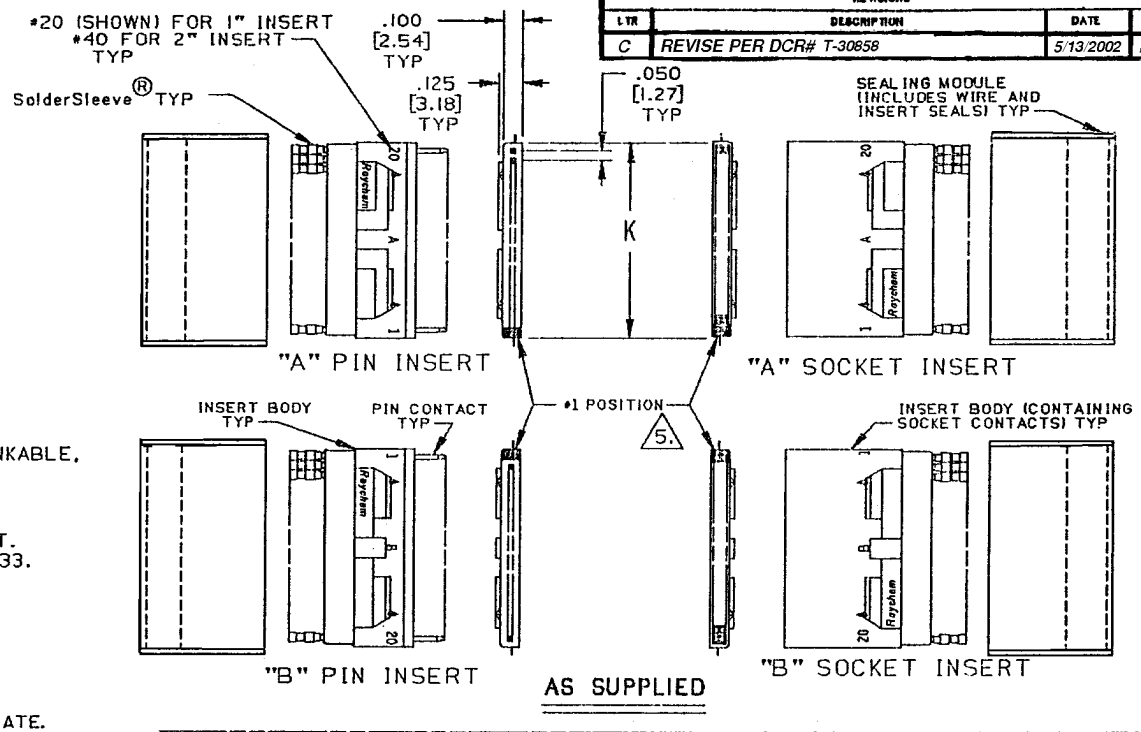
6. DIELECTRIC WITHSTANDING VOLTAGE:

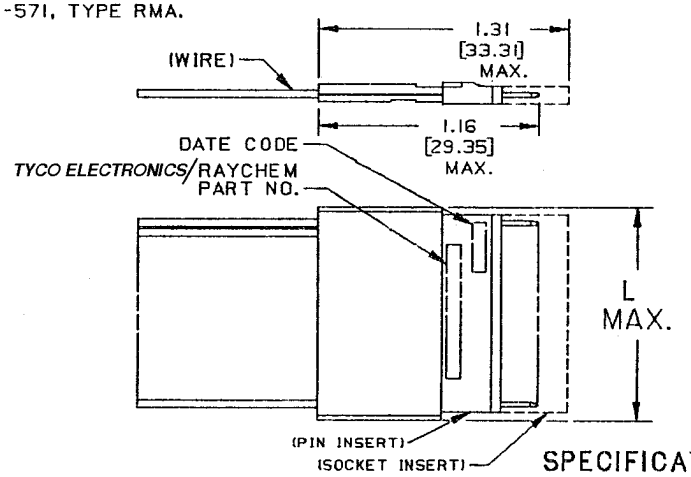
TEST CONDITION	TEST VOLTAGE VAC RMS AT 60 Hz.
SEA LEVEL	750
ALTITUDE 70,000 FT. (33.5 TORR) AMBIENT TEMP	250
ALTITUDE 80,000 FT. (20.6 TORR) -50°C TEMP	375

7. CURRENT RATING: 2.0 AMPS

8. USABLE WIRE SIZE:
ROUND WIRE: 24 AWG OR 26 AWG.

9. *SEE TYCO ENGINEERING STANDARD ES-61408 REV C FOR TERMINATION METHOD.*





9. AFTER BOOT ASSY & TERMINATION

DESCRIPTION	1" INSERT	2" INSERT
K	1.035 [26.29]	2.035 [51.69]
L	1.140 [28.96]	2.140 [54.36]
WEIGHT (MAXIMUM)	.0074 LBS. [3.357gr.]	.0147 LBS. [6.668gr.]

SPECIFICATION CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. METRIC DIMENSIONS ARE IN BRACKETS.	DRAWN	S CLEGG	87-APR-26
	CHECKED	M HIGGY	87-APR-29
	APPROVED	M BLAIR	87-APR-29
	APPROVED	J CAMERON	87-APR-26
DECIMALS .XXX ±005 [00.13mm] .XX ± 03 [0.08mm] ANGLES .X ± -°	CAD FILE: T-30858.TIF		
WEIGHT SEE TABULATION	THIRD ANGLE PROJECTION		

TYCO ELECTRONICS — RAYCHEM PRODUCTS, 305 CONSTITUTION DR, MENLO PARK, CA 94025

TITLE: INSERT, .050 PITCH, PASS TERM. 125°C OPERATING TEMPERATURE (FOR 24-26 AWG WIRE) MTC50 SERIES

SIZE	CODE IDENT. NO.	DWG. NO.	REV
C	06090	MTC50-YXX-015/016	C

DO NOT SCALE THIS DRAWING | SCALE | SHEET 1 OF 1