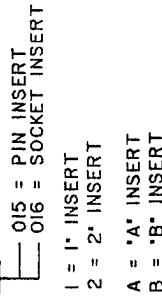


NOTES:

1. PART NUMBER VARIABLE:

MTC50-YXX-XXX



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

3. MATERIAL:

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

4. FINISH:

- PIN/SOCKET INSERT: AS MOLDED
- PIN/SOCKET CONTACT: GOLD PLATE PER MIL-Q-45204 TYPE 1, GRADE C, CLASS 1 OVER SUITABLE UNDERPLATE.

(TERMINATION END)

5. *1 POSITION IS MARKED IN CONTRASTING COLOR.

6. DIELECTRIC WITHSTANDING VOLTAGE:

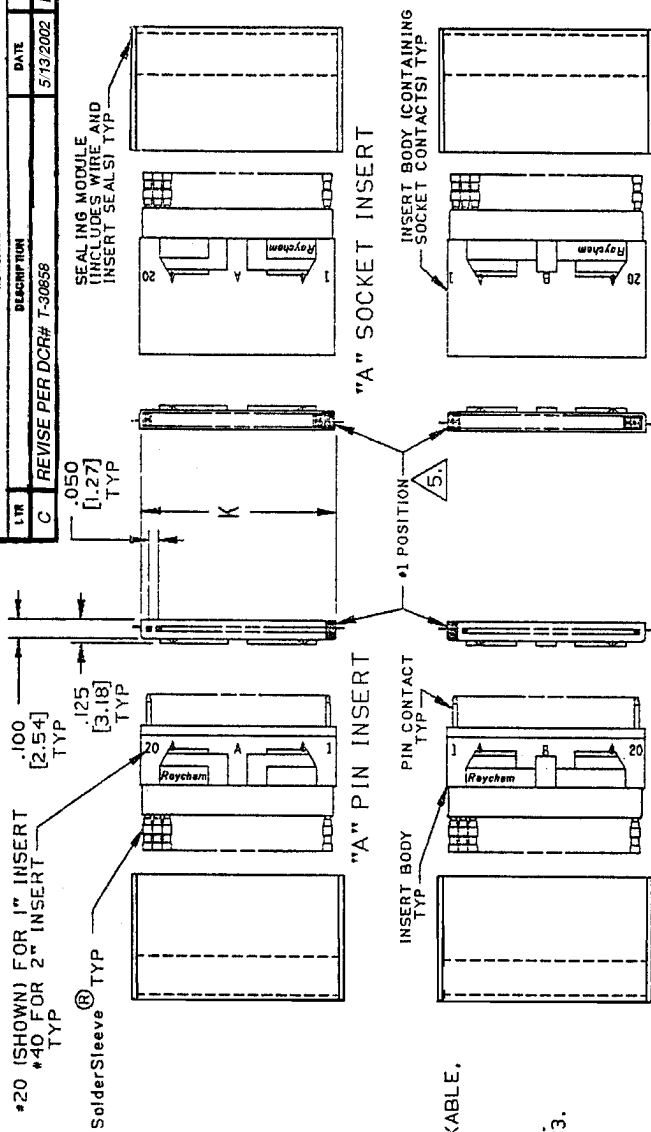
TEST CONDITION	TEST VOLTAGE VAC RMS AT 60 HZ
SEA LEVEL	750
ALTITUDE 70,000 FT. (33.5 TORR) AMBIENT TEMP	250
ALTITUDE 80,000 FT. (20.6 TORR) -50°C TEMP	375

7. CURRENT RATING: 2.0 AMPS

8. USABLE WIRE SIZE:

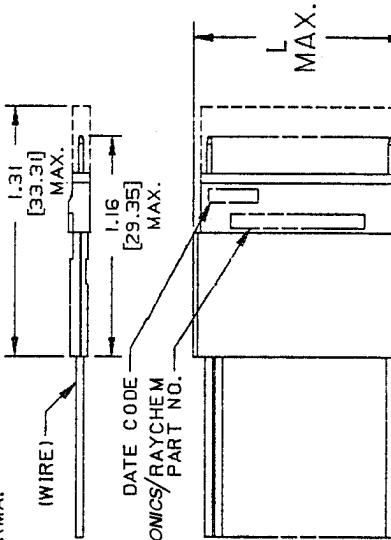
ROUND WIRE: 24 AWG OR 26 AWG.

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



AS SUPPLIED

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. [6.68gr.]

SPECIFICATION CONTROL DRAWING

TYCO ELECTRONICS		RAYCHEM PRODUCTS 365 CONSTRUCTION DR. MENLO PARK, CA 94025	
TITLE		INSERT, .050 PITCH, PASS TERM. 125°C OPERATING TEMPERATURE (FOR 24-26 AWG WIRE) MTC50 SERIES	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. METRIC DIMENSIONS ARE IN BRACKETS. DECIMALS .XXX ± .005 [0.13mm] .XX ± .03 [0.6mm] ANGLES .X ± .°	DATE	BY	CHKD
DESIGNED	6 CLEGG	87-APR-86	
CHECKED	M HGGY	87-APR-86	
APPROVED	M BLAIR	87-APR-86	
APPROVED	J CAMERON	87-APR-86	
CAD FILE: T-30858.TIF			
THIRD ANGLE PROJECTION	DO NOT SCALE THIS DRAWING		
WEIGHT SEE TABULATION	SIZE C	CODE IDENT. NO. 06090	REV C
DRAW. NO. MTC50-YXX-015/016		SHEET 1 OF 1	

Mouser Electronics

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