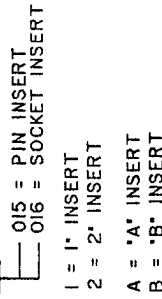


NOTES:

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:

- A. SEALING MODULE: SEE SCD CTA-024X 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: GOLD PLATE PER MIL-Q-45204 TYPE 1, GRADE C, CLASS 1 OVER SUITABLE UNDERPLATE.

(TERMINATION END)

FLUX COATED PER QQ-S-571, TYPE RMA.

5. *1 POSITION IS MARKED IN CONTRASTING COLOR.

6. DIELECTRIC WITHSTANDING VOLTAGE:

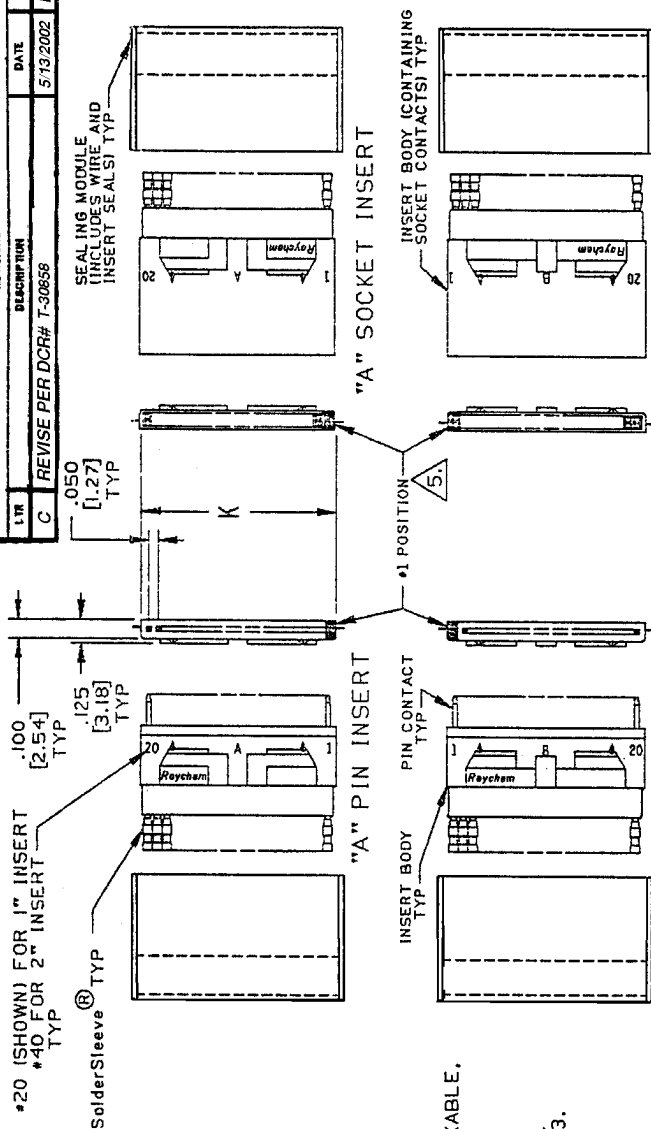
TEST CONDITION	TEST VOLTAGE VAC RMS AT 60 Hz
SEA LEVEL	750
ALTITUDE 70,000 FT. (33.5 TORR) AMBIENT TEMP	250
ALTITUDE 80,000 FT. (20.6 TORR) -50°C TEMP	375

7. CURRENT RATING: 2.0 AMPS

8. USABLE WIRE SIZE:

ROUND WIRE: 24 AWG OR 26 AWG.

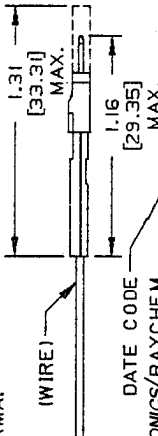
9. SEE TYCO ENGINEERING STANDARD ES-61408 REV C FOR TERMINATION METHOD.



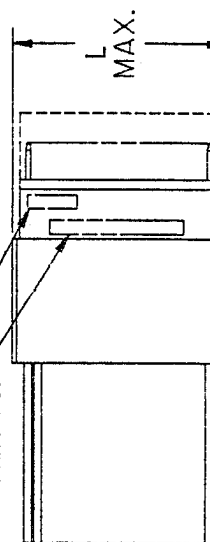
"B" PIN INSERT

AS SUPPLIED

"B" SOCKET INSERT



DATE CODE
TYCO ELECTRONICS/RAYCHEM
PART NO.



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.]

9. AFTER BOOT ASSY & TERMINATION

SPECIFICATION CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
METRIC DIMENSIONS ARE
IN BRACKETS.
DECIMALS
.XXX ± .005 [0.13mm]
.XX ± .03 [0.6mm]
ANGLES
.X ± .°

DATE	5 CLEQ	57-APR-86
DESIGNED	M HGGY	57-APR-86
APPROVED	M BLAIR	57-APR-86
APPROVED	J CAMERON	57-APR-86

CAD FILE: T-30858.TIF

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

THIRD ANGLE
PROJECTION

WEIGHT
SEE TABULATION

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

DO NOT SCALE THIS DRAWING

SCALE

SHEET 1 OF 1

Mouser Electronics

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