

REVISIONS	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
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. SEE RAYCHEM SPECIFICATION CONTROL DRAWING D-141-0169.
E. SolderSleeve:

4. FINISH:
A. PIN/SOCKET INSERT: AS MOLDED
B. PIN/SOCKET CONTACT: (ENGAGING END)
(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.

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. [6.689gr.]

SPECIFICATION CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. METRIC DIMENSIONS ARE IN BRACKETS. DECIMALS .XXX ±0.05 [0.13mm] .XX ±0.3 [0.08mm] ANGLES ± .X ± .9

WEIGHT SEE TABULATION

THIRD ANGLE PROJECTION

CAD FILE: T-30858.TIF

DRAWN	5 CLEGG	87-APR-88
CHECKED	M HIGBY	87-APR-88
APPROVED	M BLAIR	87-APR-88
APPROVED	J CAMERON	87-APR-88

TYCO ELECTRONICS
305 CONSTRUCTION DR
MENLO PARK, CA 94025

RAYCHEM PRODUCTS

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

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

DO NOT SCALE THIS DRAWING SCALE SHEET 1 OF 1