

# NOTES:

## 1. PART NUMBER VARIABLE:

MTC100-JXX-X34

P = PIN  
S = SOCKET

1 = 1 INCH  
2 = 2 INCH

A = "A" INSERT  
B = "B" INSERT

## 2. MATERIAL:

- A) PIN/SOCKET INSERT HIGH GRADE POLYARYLENE THERMOPLASTIC.  
B) PIN CONTACT COPPER ALLOY PER QQ-B-613 OR QQ-C-502.  
C) SOCKET CONTACT COPPER ALLOY PER QQ-B-750  
D) INTERFACIAL SEAL SILICONE ELASTOMER PER ZZ-R-765.  
E) SolderSleeve® REFER TO RAYCHEM DRAWING CTA-0065 FOR DETAILS

## 3. FINISH:

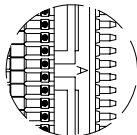
- A) PIN/SOCKET INSERT AS MOLDED.  
B) PIN/SOCKET CONTACT GOLD PLATE PER MIL-G-45204, CLASS 1.  
C) CONTACT TAIL SOLDER COATED PER QQ-S-571 (Sn96)

4. NUMBER ONE POSITION IS MARKED AS SHOWN IN CONTRASTING COLOR ON INTERFACE.

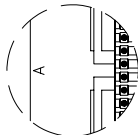
5. THIS INSERT MEETS THE REQUIREMENTS OF RAYCHEM SPECIFICATION C-6111.

If this document is printed it becomes uncontrolled.  
Check with the web for latest revision.

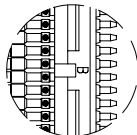
| SIZE             |      | WEIGHT<br>MAXIMUM<br>LBS. | GRAMS | DIM. "Z"       |
|------------------|------|---------------------------|-------|----------------|
| 1 INCH<br>INSERT | PIN  | .0047                     | 2.132 | 1.05<br>[26,7] |
|                  | SOC. | .0054                     | 2.449 |                |
| 2 INCH<br>INSERT | PIN  | .0090                     | 4.082 | 2.05<br>[52,1] |
|                  | SOC. | .0109                     | 4.944 |                |



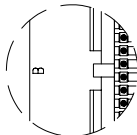
PIN



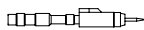
SOCKET



PIN



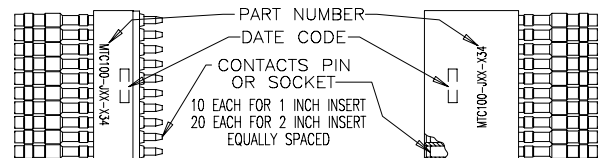
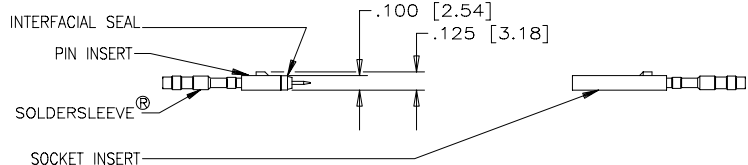
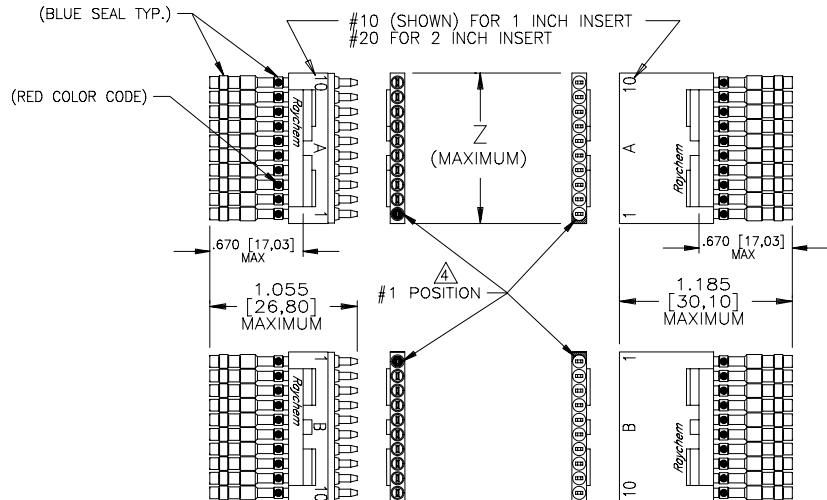
SOCKET



AUXILIARY VIEW OF 2 INCH INSERT  
KEYS/KEYWAYS



| REVISIONS |                                 |          |          |
|-----------|---------------------------------|----------|----------|
| LTR       | DESCRIPTION                     | DATE     | APPROVED |
| N/C       | INITIAL RELEASE PER ECN T-13741 | 90 FEB 5 | J.B.     |



## SPECIFICATION CONTROL DRAWING © Raychem Corporation 1989

|                                                                                                  |                           |          |         |                           |                 |                                                                                     |     |
|--------------------------------------------------------------------------------------------------|---------------------------|----------|---------|---------------------------|-----------------|-------------------------------------------------------------------------------------|-----|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES.<br>METRIC DIMENSIONS ARE<br>IN BRACKETS. | DRAWN                     | CERDAN   | 891218  | Raychem                   |                 | RAYCHEM CORPORATION<br>300 CONSTITUTION DRIVE<br>MENLO PARK, CALIFORNIA 94025       |     |
|                                                                                                  | CHECKED                   |          |         |                           |                 |                                                                                     |     |
|                                                                                                  | APPROVED                  | J.B.     | 90JAN22 | TITLE                     |                 | PRE-ASSEMBLED SOLDERSLLEEVE INSERT,<br>150°C OPERATING TEMPERATURE<br>MTC100 SERIES |     |
|                                                                                                  | APPROVED                  |          |         |                           |                 |                                                                                     |     |
| DECIMALS<br>.XXX ± .005<br>.XX ±                                                                 | CAD NAME                  |          |         | SIZE                      | CODE IDENT. NO. | DWG. NO.                                                                            | REV |
| ANGLES<br>.X ±                                                                                   |                           |          |         | C                         | 06090           | MTC100-JXX-X34                                                                      | N/C |
| WEIGHT: MAXIMUM<br>SEE TABULATION                                                                | THIRD ANGLE<br>PROJECTION | 005245-1 |         | DO NOT SCALE THIS DRAWING |                 |                                                                                     |     |
|                                                                                                  |                           |          |         | SHEET 1 OF 1              |                 |                                                                                     |     |