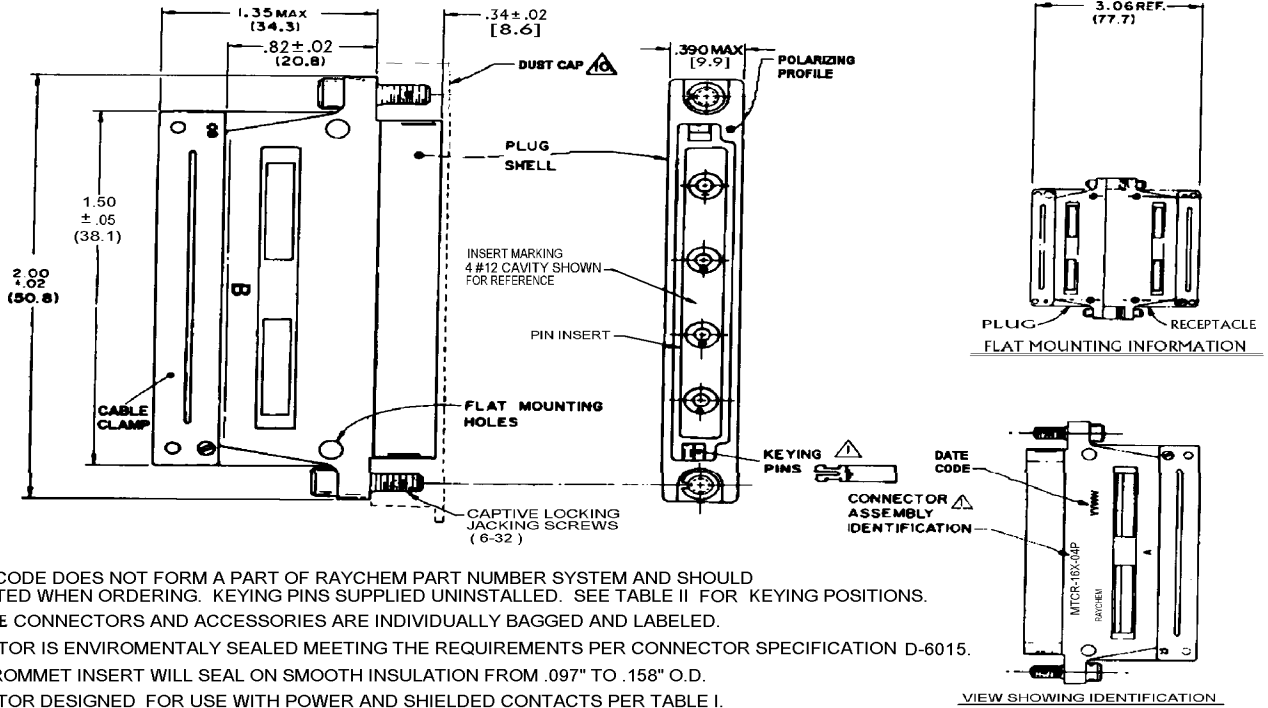


| ZONE | | REVISIONS | | DATE | APPROVED |
|------|-----------------------------------|-----------|---------|------|----------|
| E | REVISED & REDRAWN PER ECN T-19803 | 1-24-95 | R.H. | | |
| F | REVISED PER DCR# T-22669 | 3/10/99 | M.HIGGY | | |



SOCKET CONTACT AND TOOLING INFORMATION

| TABLE 1 | | | |
|---|-------------------|--------------------------------------|--------------------------------------|
| CONTACT TYPE | MILITARY PART NO. | WIRE STRIP LENGTH | TERMINATION TOOL |
| SHIELDED CONTACT FOR D-602-0094 OR D-602-0106 | | SEE DRAWING D-602-0094 OR D-602-0106 | SEE DRAWING D-602-0094 OR D-602-0106 |
| CONTACT FOR TWISTED PAIR D-602-0104 | | SEE DRAWING D-602-0106 | SEE DRAWING D-602-0104 |
| POWER CONTACT SIZE 12 | M39029/4-12-12 | 1/4" TO 5/16" | M22520/1-01 POSITIONER M22520/1-02 |

TABLE II KEYING CODE CHART

| PART NUMBER | POSITION OF KEYS |
|---------------|------------------|
| MTCR-16X-04P- | AA |
| | AB |
| | AC |
| | AD |
| | BA |
| | BB |
| | BC |
| | BD |
| | CA |
| | CB |
| | CC |
| | CD |
| | DA |
| | DB |
| | DC |
| MTCR-16X-04P- | DD |

NOTES:

- KEYING CODE DOES NOT FORM A PART OF RAYCHEM PART NUMBER SYSTEM AND SHOULD BE OMITTED WHEN ORDERING. KEYING PINS SUPPLIED UNINSTALLED. SEE TABLE II FOR KEYING POSITIONS.
- COMPLETE CONNECTORS AND ACCESSORIES ARE INDIVIDUALLY BAGGED AND LABELED.
- CONNECTOR IS ENVIROMENTALLY SEALED MEETING THE REQUIREMENTS PER CONNECTOR SPECIFICATION D-6015.
- REAR GROMMET INSERT WILL SEAL ON SMOOTH INSULATION FROM .097" TO .158" O.D.
- CONNECTOR DESIGNED FOR USE WITH POWER AND SHIELDED CONTACTS PER TABLE I.
- INSERTS ARE PERMANENTLY INSTALLED, CONTACTS MAY BE INSERTED AND REMOVED USING TOOL PER NOTE 8.
- ALL UNUSED CAVITIES TO BE SEALED USING SEALING PLUG NUMBER M83723-28-12.
- ALL CONTACTS SIZE 12 ARE INSERTED AND REMOVED USING TOOL NUMBER M83723-31-12.
- REFER TO RAYCHEM SPECIFICATION D-6015 FOR COMPLETE DETAILS.
- CONNECTOR SUPPLIED WITH A SHIPPING DUST CAP OVER ENGAGING END.
- CONNECTOR MATING REQUIREMENTS: 9 in. lbs. TORQUE FOR CAPTIVE LOCKING SCREWS.

12. PART NUMBER VARIABLE: MTCR-16X-04P

- 1= NICKEL PLATED PER MIL-C-26074
- 3=CADMIUM PLATED PER QQ-P-416 OVER NICKEL UNDERPLATE.

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SPECIFICATION CONTROL DRAWING

| | | | | |
|--|-------------|------------|---------|---|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. METRIC DIMENSIONS ARE IN BRACKETS. DEC .XXX ± .005 DEC .XX ± .02 ANGLE ± | DRAWN | CSB | 5-26-77 | Raychem ENVIRONMENTAL, FIXED PIN INSERT-ONE INCH MTC SERIES |
| | CHECKED | J.BLAIR | 5-26-77 | |
| | APPROVED | J.BLAIR | 5-26-77 | TITLE |
| | APPROVED | K.CARMEN | 5-26-77 | CONNECTIONS |
| MATERIAL: | CAD NAME | T22669.TIF | | |
| FINISH: | PART NUMBER | | | |
| | PROJECT | 648-7862 | | |

| | | | |
|-------|------------|--------------|--------------|
| SIZE | CODE IDENT | DWG. NO. | |
| A | 06090 | MTCR-16X-04P | F |
| SCALE | | | SHEET 1 OF 1 |