

NOTES:

1. THIS PROTECTIVE COVER IS DESIGNED TO PROTECT THE INTERFACE OF MTC100 RECEPTACLE CONNECTORS AGAINST DUST AND MOISTURE ENVIROMENTS. PARTS MEET AIR LEAKAGE TEST PER C-6111 OR C-6115 (THE LEAKAGE RATE IS 0.5 ATM CM3/Second Maximum). THE PARTS ALSO OFFER ELECTROMAGNETIC EMISSION PROTECTION.

2. MATING TORQUE

FOR PROPER MATING CONDITION, SCREWS MUST BE EQUALLY TIGHTENED AND LOOSENED BY ONE HALF TURN A TIME TO PREVENT ANY DAMAGES TO THE MATING GASKET. RETENTION SCREWS ARE TO BE TORQUED TO 7±0.5 in-lbs.

3. MATERIAL:

- a. HOUSING ALUMINUM ALLOY PER ASTM B26 OR ASTM B211
- b. RETENTION SCREW STAINLESS STEEL PER SAE-AMS-QQ-S-763
- c. GASKET CONDUCTIVE FLUOROSILICONE ELASTOMER PER MIL-DTL-83528
- d. FLAT WASHER STAINLESS STEEL PER ASTM A 240/A 240M
- e. LANYARD STAINLESS STEEL PER ASTM A 240/A 240M
- f. RETAINING RING BERYLLIUM COPPER PER ASTM B194

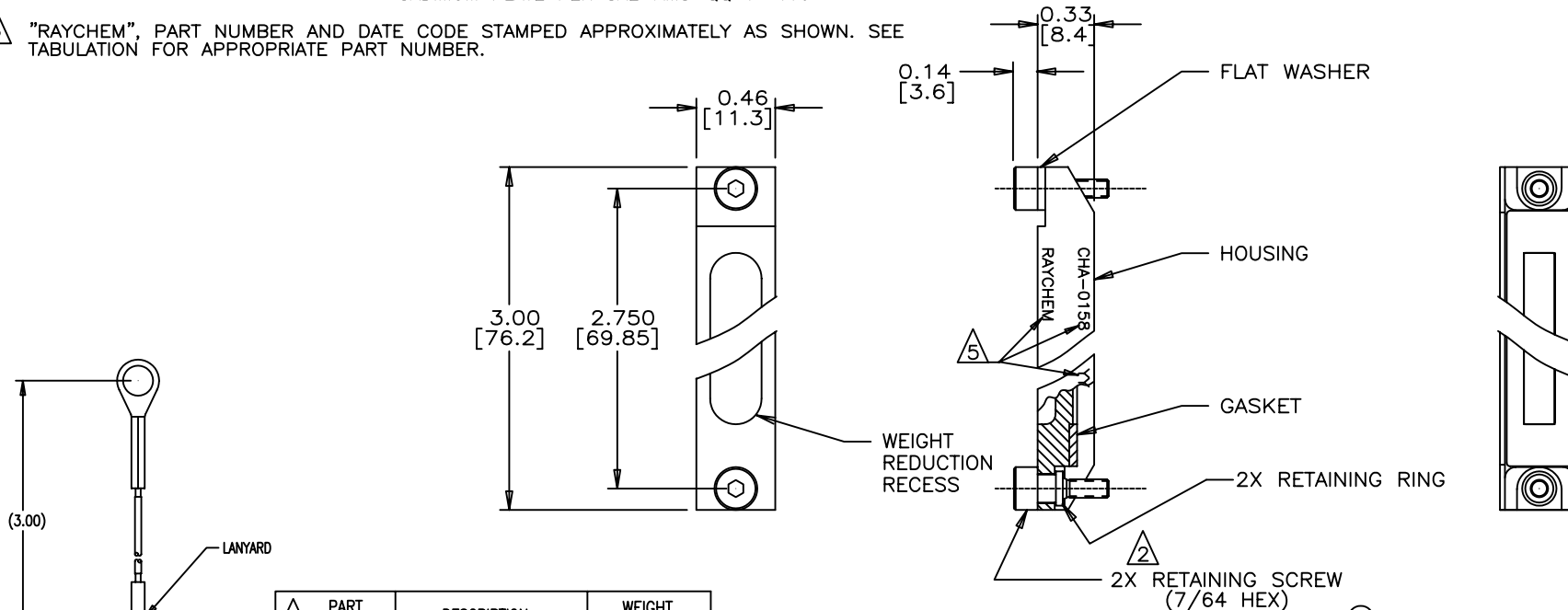
4. FINISH:

- a. HOUSING CADMIUM PLATE PER SAE-AMS-QQ-P-416 OVER NICKEL UNDERPLATE
- b. RETENTION SCREW CADMIUM PLATE PER SAE-AMS-QQ-P-416
- c. FLAT WASHER CADMIUM PLATE PER SAE-AMS-QQ-P-416
- d. LANYARD CADMIUM PLATE PER SAE-AMS-QQ-P-416
- e. RETAINING RING CADMIUM PLATE PER SAE-AMS-QQ-P-416

5. "RAYCHEM", PART NUMBER AND DATE CODE STAMPED APPROXIMATELY AS SHOWN. SEE TABULATION FOR APPROPRIATE PART NUMBER.

| REVISIONS |                                      |              |          |
|-----------|--------------------------------------|--------------|----------|
| LTR       | DESCRIPTION                          | DATE         | APPROVED |
| B         | REVISED PER ECN T-18229              | JUNE-1-93    | J.B.     |
| C         | REDRAWN AND REVISED PER DCR# T-29645 | 7/13/2001    | M.HIGGY  |
| D         | REVISE PER DCR# T-30033              | 9/18/2001    | M.HIGGY  |
| E         | REVISE PER DCR# T-30829              | 4/19/2002    | M.HIGGY  |
| F         | REVISE PER DCR# T-31595              | JAN/23/03    | M.HIGGY  |
| G         | PER ECO-07-020128                    | August/27/07 | M.HIGGY  |

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| 5 PART NUMBER | DESCRIPTION               | WEIGHT (MAXIMUM)      |
|---------------|---------------------------|-----------------------|
| CHA-0158      | WITHOUT LANYARD           | .043 LBS. [19.60 gr.] |
| CHA-0158-009  | WITH LANYARD PER DETAIL A | .046 LBS. [20.90 gr.] |

CUSTOMER DRAWING

|                                                                                         |  |                        |                |           |
|-----------------------------------------------------------------------------------------|--|------------------------|----------------|-----------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. METRIC DIMENSIONS ARE IN BRACKETS. |  | DRAWN                  | ZS.ORBAN       | 7/12/2001 |
| DECIMALS                                                                                |  | CHECKED                |                |           |
| .XXX ±.010 .XX ±.02 .X ±                                                                |  | APPROVED               |                |           |
| ANGLES                                                                                  |  | APPROVED               | M.HIGGY        | 7/12/2001 |
| WEIGHT SEE TAB. lbs { g}                                                                |  | CAD NAME               | CHA-0158-XXX_G |           |
|                                                                                         |  | THIRD ANGLE PROJECTION |                |           |

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|                                                                                                               |                 |                                                                               |              |
|---------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------|--------------|
|  <b>Tyco Electronics</b> |                 | Raychem Interconnect<br>300 Constitution Drive<br>Merida Park, CA 94025 U.S.A |              |
| TITLE                                                                                                         |                 |                                                                               |              |
| COVER, PROTECTIVE,<br>PLUG TYPE, 2 INCH, EME COMPATIBLE<br>MTC100 SERIES                                      |                 |                                                                               |              |
| SIZE                                                                                                          | CODE IDENT. NO. | DWG. NO.                                                                      | REV          |
| A                                                                                                             | 06090           | CHA-0158-XXX                                                                  | G            |
| DO NOT SCALE THIS DRAWING                                                                                     |                 |                                                                               | SHEET 1 OF 1 |