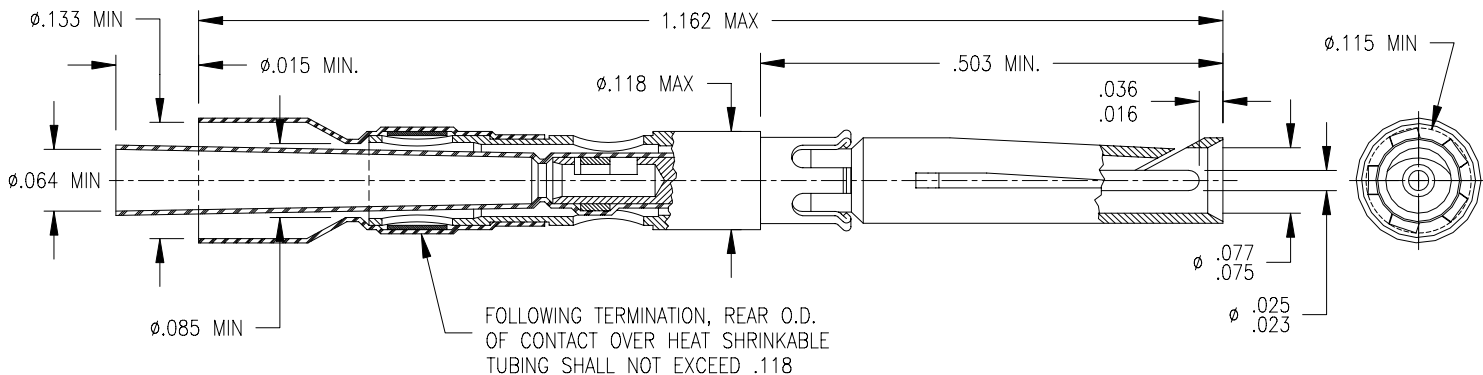




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| REVISIONS |                          |          |          |
|-----------|--------------------------|----------|----------|
| LTR       | DESCRIPTION              | DATE     | APPROVED |
| R         | REVISED PER ECN# T-22009 | 12/16/98 | M.HIGGY  |
| S         | REVISED PER DCR# D030458 | 10/31/03 | M.HIGGY  |

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**NOTES:**

1. THIS CONTACT IS DESIGNED FOR USE IN MIL-DTL-28748, SIZE 16 CAVITIES.
2. THIS CONTACT IS DESIGNED TO ACCOMMODATE A TWISTED PAIR 30 THRU 24 AWG CABLE.  
OTHER APPLICATIONS SHOULD BE SUBMITTED TO RAYCHEM FOR EVALUATION.
3. FOR TERMINATION PROCEDURE, SEE RAYCHEM SPECIFICATION ES 61132.
4. MATING CONTACT (FOR SIMILAR CABLES): D-602-54.
5. ALIGNMENT BUSHING CHA-0001 TO BE SUPPLIED WITH THE CONTACT.
6. THIS CONTACT MEETS RAYCHEM SPECIFICATION D-6002.

**CONTACT CHARACTERISTICS:**

**MATERIALS:**

1. OUTER BODY: COPPER ALLOY PER ASTM B196 OR B194.  
PLATING: GOLD PER ASTM B488 (MIL-G-45204), NICKEL PER AMS QQ-N-290, OVER COPPER FLASH.
2. INNER CONTACT: BRASS PER ASTM B16/B16M.  
PLATING: GOLD PER ASTM B488 (MIL-G-45204), NICKEL PER AMS QQ-N-290, OVER COPPER FLASH.
3. RETAINING CLIP: COPPER ALLOY PER ASTM B194.  
PLATING: NICKEL PER AMS QQ-N-290.
4. DIELECTRIC: ETFE FLUOROPOLYMER PER ASTM D3159.
5. SOLDER: SN63 PER ANSI/J-STD-006.  
FLUX: ROL1 PER ANSI/J-STD-004.
6. CABLE SUPPORT: HEAT-SHRINKABLE, RADIATION CROSS-LINKED POLYVINYLIDENE FLUORIDE.

**PERFORMANCE:**

- TEMPERATURE RATING: 125°C MAXIMUM  
 CURRENT RATING: 3 AMPS  
 VOLTAGE RATING: DIELECTRIC WITHSTANDING VOLTAGE: 900 VOLTS RMS MAXIMUM.  
 CONTACT RESISTANCE: 10 MILLIOHMS MAXIMUM (INNER)  
 8 MILLIOHMS MAXIMUM (OUTER)  
 INSULATION RESISTANCE: 5000 MEGAOHMS MINIMUM.  
 ENGAGEMENT FORCE: OUTER SOCKET: 20.0 OZ. MAXIMUM  
 SEPARATION FORCE: OUTER SOCKET: 2.0 OZ. MINIMUM

SPECIFICATION CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES.  
METRIC DIMENSIONS ARE  
IN BRACKETS.

DECIMALS  
 .XXX ± \_\_\_\_\_  
 .XX ± \_\_\_\_\_  
 ANGLES \_\_\_\_\_

WEIGHT  
 ---

|           |             |          |
|-----------|-------------|----------|
| DRAWN     | MFORONDA    | 09.17.03 |
| CHECKED   |             |          |
| APPROVED  | M.HIGGY     | 09.17.03 |
| APPROVED  |             |          |
| CAD NAME: | D030458.dwg |          |



Tyco Electronics Corporation  
300 Constitution Drive  
Menlo Park, CA. 94025 U.S.A.



|  |                 |                 |     |
|--|-----------------|-----------------|-----|
| TITLE                                    |                 |                 |     |
| SHIELDED CONTACT, SOCKET<br>TWISTED PAIR |                 |                 |     |
| SIZE                                     | CODE IDENT. NO. | DWG. NO.        | REV |
| A  | 06090           | <b>D-602-55</b> | S   |

|                           |  |              |  |
|---------------------------|--|--------------|--|
| DO NOT SCALE THIS DRAWING |  | SHEET 1 OF 1 |  |
|---------------------------|--|--------------|--|

