



Harsh Environment Connectivity Solutions

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## TA Series Female

TA Series Tini Q-G® (Mini XLR) female cable mount connectors.

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SPECIFICATIONS: (3 – 5 CORD MOUNT ONLY)

### ELECTRICAL

- **Contact Resistance:** .010 ohms maximum after life (and after salt spray).
- **Current Rating (Carry Only):** 5 A, 125 V AC (4 A, 125 V AC on 5 circuit) based on 30°C maximum.
- **Insulation Resistance:** 510,000 megohms minimum @ 500 VDC (initial); 10,000 megohms minimum (after humidity test).
- **Dielectric Strength:** 1,000 V (rms).

### MECHANICAL

- **Life:** 5,000 operations minimum
- **Insertion/Withdrawal Forces (after life):** 6.1 lb./2.77 kg after life, insertion; 5.6 lb/2.54 kg, withdrawal.
- **Solderability Standard:** Meets EIA RS-186-9E.
- **Mechanical Shock:** Meets MIL-STD-202, method 213B.
- **Vibration:** Meets MIL-STD-202, method 201A.
- **Wire Size:** #22 wire gauge solid; #24 wire gauge stranded.

### ENVIRONMENTAL

- **Thermal Range:** -55°C to + 85°C.
- **Humidity:** Meets MIL-STD-202, method 106D.
- **Thermal Shock:** Meets MIL-STD-202, method 107D.

- **Salt Spray:** Meets MIL-STD-202, method 101.

## MATERIAL

- **Housing, Plugs and Male Receptacles:** Copper alloy, nickel-plated. Female Receptacle–Die-cast zinc, nickel-plated.
- **Black Tini Q-G® Housing:** Copper alloy, black chrome-plated.
- **Pin and Socket Contacts:** Copper alloy, silver-plated.
- **Flex Relief:** Molded black thermoplastic elastomer.
- **Latch Button:** Molded black thermoplastic.
- **Release Lever and Mounting Washer:** Steel, nickel-plated.
- **Standoff/Ground Terminal and Cable Clamp:** Steel, electroplated.
- **Inserts and Insulating Spacer:** Molded, high strength thermoplastic
- **Latch (Female):** Copper alloy, nickel-plated.
- **Mounting Nut:** Copper alloy, nickel-plated.

## SPECIFICATIONS (6 – 8 Cord Mount and all Receptacles and Adapters):

### ELECTRICAL

- **Contact Resistance:** .010 ohm maximum after life.
- **Current Rating (Carry only):** 1.5A, 125 VAC, based on 30° maximum
- **Insulation Resistance:** 510,000 M Ω minimum @ 500 VDC (initial).
- **Dielectric Strength:** 250 V rms.

### MECHANICAL

- **Life:** 2,000 operations
- **Insertion/Withdrawal Forces (after life):** –13 pound insertion; –13 pound maximum withdrawal
- **Solderability Standard:** Meets EIA RS-186-9E.
- **Wire Size:** 28 wire gauge stranded.