*QUALIFIED*

# MIL-DTL-28840

## Connectors and accessories

MIL-DTL-28840 qualified connectors in-stock and ready for immediate, same-day shipment

- High density, scoop proof contact arrangements
- Flange mount, box mount, jam-nut and in-line receptacles
- Straight, 45° and 90° strain reliefs and backshell assemblies
- Sav-Con® connector savers
- MIL-DTL-28840 qualified
- Additional glenair commercial part numbers with features not available in the mil-spec

## Qualified military standard electrical connectors and accessories for shipboard—and all rugged environmental applications

| Performance Specifications | |
|---|---|
| Current Rating (Maximum) | Size #20 Contact with 20AWG wire=7.5Amps, with 22AWG wire=5.0Amps |
| Test Voltage (DWV) | 1000 VAC RMS at sea level. Test per EIA-364-20 |
| Insulation Resistance | 5000 megohms minimum (at ambient temperature) per EIA-364-21 |
| Contact Resistance | Per SAE-AS39029 |
| Operating Temperature | -55° C to +200° C |
| Immersion | per test method EIA-364-09 |
| Shock | in accordance with MIL-S-901 grade A |
| Vibration | per EIA-364-28 test procedure |
| Magnetic Permeability | 2.0 µ (Aluminum), 5.0 µ (Stainless Steel) maximum; ASTM-A342/A342M |

Splined MIL-DTL-28840 connector-to-backshell interface is ideally suited for heavy backshells and cables

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# MIL-DTL-28840
## Connectors and Accessories

### STANDARD PIN CRIMP CONTACT FOR MIL-DTL-28840 CONNECTORS

| Mating End Size | Wire Accomodation | Military Part Number | Glenair Part Number |
|---|---|---|---|
| 20 | 28-32 AWG | M39029/83-451 | 850-004-20-451 |
| 20 | 22-26 AWG | M39029/83-450 | 850-004-20-450 |
| 20 | 20-24 AWG | M39029/83-508 | 850-004-20-508 |

### STANDARD SOCKET CRIMP CONTACT FOR MIL-DTL-28840 CONNECTORS

| Mating End Size | Wire Accomodation | Military Part Number | Glenair Part Number |
|---|---|---|---|
| 20 | 28-32 AWG | M39029/84-453 | 850-005-20-453 |
| 20 | 22-26 AWG | M39029/84-452 | 850-005-20-452 |
| 20 | 20-24 AWG | M39029/84-509 | 850-005-20-509 |

**Crimping Tools**

M22520/34-01 Basic Crimp Tool
M22520/34-02 Positioner
M22520/35 Gage

**Insertion & Removal Tools**

M81969/33-01 Straight Insertion Tool
M81969/33-02 Offset Insertion Tool
M81969/34-01 Removal Tool

**Pin Contact**

M39029/83 Standard Duty Electrical Pin Contact

**Socket Contact**

M39029/84 Standard Duty Electrical Socket Contact

**Environmental Backshells**

M28840/6 B Straight
M28840/9 B 45°
M28840/8 B 90°



**EMI/RFI Environmental Backshells**

M28840/6 A Straight
M28840/8 A 90°
M28840/9 A 45°

**Connector Sockets**

600G005

**"E" Nuts**

**Non-Self-Locking**

M28840/23

**Strain Reliefs**

**Non-Self-Locking**

M28840/1 Straight
M28840/3 45°
M28840/2 90°

**Dummy Stowage Receptacles**

M28840/7

**Protective Plug Covers**

M28840/15

**Protective Receptacle Covers**

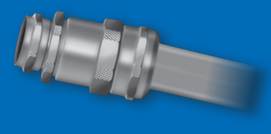
M28840/13

**Jam Nuts**

MS3186

**Mounting Flanges and Gaskets**

M28840/24 Gasket



**MIL-PRF-24758A Conduit Fittings**

M24758-14 Straight (M24758/14 Straight.)
M28840/5 Straight • M28840/25 90° • M28840/27 45° • M28840/30 Coupling

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