

DELPHI™



IN COLLABORATION WITH



SPACECRAFT
COMPONENTS CORP.



Shipboard Termini – MIL-PRF-29504/14 & /15

Benefits & Features

- ▶ Qualified to MIL-PRF-29504/14 & /15
- ▶ Utilizes constant pressure spring technology
- ▶ Free-floating, self-aligning design
- ▶ Available in singlemode and multimode

Applications

- ▶ Military/aerospace
- ▶ Shipboard/pierside
- ▶ Harsh environment
- ▶ Broadcast
- ▶ Hybrid electronics

Performance Characteristics

- ▶ Operating temp: -65°C to +150°C
- ▶ Vibration: 68 G random
- ▶ Mating durability: 2000 cycles
- ▶ Terminus retention force: 22 lbs. min.



Shipboard – MIL-PRF-28876

Benefits & Features

- ▶ Low optical insertion loss
- ▶ Available in 2, 4, 6, 8, 18 and 31 channel configurations
- ▶ In-line and wall mount receptacles
- ▶ Singlemode and multimode capabilities
- ▶ Hybrid (electro-optic) and high-vibration versions available

Applications

- ▶ Navy shipboard
- ▶ Military and commercial
- ▶ Hybrid configurations for electro-optical signal transmission

Performance Characteristics

- ▶ Optical insertion loss: 9/125 SM fiber: 0.25 dB avg.,
62.5/125 MM fiber: 0.6 dB avg.
- ▶ Operating temp: -54°C to +65°C
- ▶ Vibration: per MIL-STD-1344, Method 2005, Condition II & VI
- ▶ Mating durability: 500 cycles



Flight Termini – MIL-PRF-29504/4 & /5

Benefits & Features

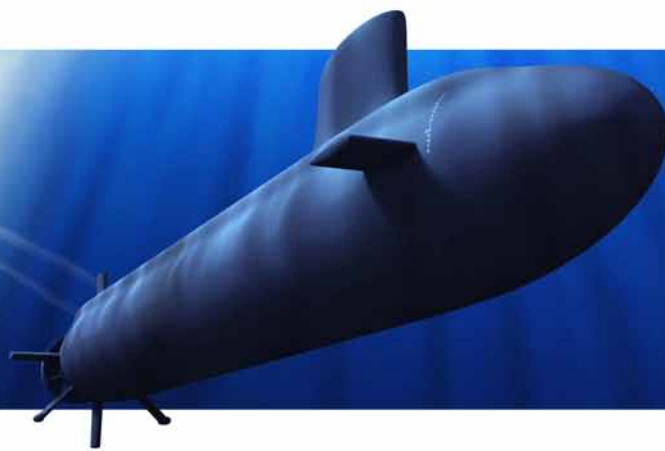
- ▶ Designed to MIL-PRF-29504/4 & /5
- ▶ Available in: Style 1 shrink sleeve, or
Style 3 crimp sleeve
- ▶ 1.58 mm ferrule
- ▶ Singlemode and multimode
- ▶ Improved terminus retention features

Applications

- ▶ Military avionics
- ▶ Commercial avionics
- ▶ D38999 connectors

Performance Characteristics

- ▶ Optical insertion loss: 9/125 SM fiber: 0.25 dB avg.,
62.5/125 MM fiber: 0.40 dB avg.
- ▶ Return Loss (9/125): 48 dB avg.
- ▶ Operating temp: -55°C to +165°C
- ▶ Cable retention (Style 3): 50 lbs. min.



MRS – MIL-DTL-28748

Benefits & Features

- ▶ MIL-DTL-28748 qualified
- ▶ Unique POLARHEX™ center jackscrew
- ▶ Innovative contact retaining clip retention system
- ▶ Size 16 AWG crimp/removable contacts from 10 to 212

Applications

- ▶ Commercial and military airborne equipment
- ▶ Shipboard and undersea systems
- ▶ Rack and panel
- ▶ Umbilical assemblies for control systems
- ▶ Ground support equipment

Performance Characteristics

- ▶ Operating temp: -55°C to +125°C
- ▶ Separation force: 56.7 g [2.0 oz.] min.
- ▶ Current rating: 13 amps
- ▶ Contact resistance: 50 millivolts max.
- ▶ Insulation resistance: 5000 MO @ 500 VDC





Circular Connectors – MIL-DTL-28840

Benefits & Features

- ▶ RFI/EMI shielding
- ▶ High-density, high shock
- ▶ Scoop-proof shell for maximum protection
- ▶ Fluorosilicone rubber sealing
- ▶ Front release size 20 AWG

Applications

- ▶ Commercial and military equipment
- ▶ Guidance control systems
- ▶ Test equipment
- ▶ Ground support equipment

Performance Characteristics

- ▶ Operating temp: -55°C to +200°C
- ▶ Separation force: 170 g [0.6 oz.] min.
- ▶ Current rating: 7.5 amps (20 AWG)
- ▶ Contact resistance: 55 millivolts max.
- ▶ Insulation resistance: 5000 MO @ 500 VDC



HAC-PAK – MIL-DTL-28804

Benefits & Features

- ▶ MIL-DTL-28804 qualified
- ▶ Non-environmental/environmental versions
- ▶ Versatile termination options
- ▶ Crimp/removable, fixed solder-tail. RFI/EMI fixed filtered contacts
- ▶ Unique POLARHEX™ center jackscrew

Applications

- ▶ Commercial and military airborne equipment
- ▶ Guidance control systems
- ▶ Automated electronic equipment
- ▶ Ground support equipment
- ▶ Cable-to-chassis/cable-to-cable

Performance Characteristics

- ▶ Operating temp: -55°C to +125°C
- ▶ Separation force: 19.8 g [0.7 oz.] min.
- ▶ Current rating: 5 amps (22 AWG)
- ▶ Contact resistance: 60 millivolts max.
- ▶ Insulation resistance: 5000 Mfl @ 500VDC



W Series

Benefits & Features

- ▶ W Metal Shell - lightweight stainless steel
- ▶ WSS - molded flange, non metal shell
- ▶ Unique POLARHEX™ center jackscrew
- ▶ Innovative contact retaining clip retention system

Applications

- ▶ Commercial and military airborne equipment
- ▶ Guidance control systems
- ▶ Automated electronic equipment
- ▶ Ground support equipment
- ▶ Cable-to-chassis/cable-to-cable

Performance Characteristics

- ▶ Operating temp: -55°C to +125°C
- ▶ Separation force: 14.2 g [0.5 oz.] min.
- ▶ Current rating: 3 amps (22 AWG)
- ▶ Contact resistance: 25 millivolts max.
- ▶ Insulation resistance: 5000 Mfl @ 500 VDC



Additional Products from Delphi

- ▶ Hermaphroditic
- ▶ Snap Lock
- ▶ Edgcard
- ▶ DFOCA – MIL-PRF-83526
- ▶ Fiber Optic Cable Assemblies
- ▶ Custom Harsh Environment Connectors
- ▶ Custom Commercial Grade Connectors
- ▶ HDPC Modular
- ▶ Bulls-Eye
- ▶ Bump Flex Assemblies
- ▶ RF Cable Assemblies
- ▶ Electronic Enclosures
- ▶ NGCon M64266
- ▶ MIL ST M83522



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SCPB SERIES (CATALOG 302)



CONNECTOR ACCESSORIES (CATALOG 402)



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CONNECTORS WITH INTEGRATED BACKSHELLS (CATALOG 601)



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