

Heavy Duty Cylindrical Connectors

MIL-DTL-22992, QWLD
Military tested and approved



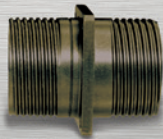
UNITED ELECTRONICS CORPORATION

Connecting Those Protecting Our Freedom...

15751 SW 41 Street Ste. 300 | Davie, Florida 33331
Telephone: 954.888.1024 | Fax: 954.888.1026 | www.uecus.com



wall mount receptacle



thru bulkhead receptacle



jam nut receptacle
(wall mount)



straight plug



jam nut receptacle
(box mount)



box mount receptacle



cable connecting plug

MIL-DTL-22992, QWLD Series Heavy Duty Cylindrical Connectors provide reliable power and control functions in hostile environments where ordinary connectors cannot survive.

The design features of this connector series provide:
High Durability

Water and explosion proof, resistant to abrasion, corrosion, vibration and shock

Quick, Positive Mating

Double stub threads per MIL-STD-1373 for fast coupling, easily cleaned

Selection

Over 300 industrial and MS approved insert patterns available, including coaxial and thermocouple

Outstanding design features that make these cylindricals a necessity for difficult applications include:

Alumilite 225* hard anodic finish for abrasion and corrosion resistance or conductive cadmium plate

Resilient inserts for moisture sealing, positive proof against shock and vibration

Sealing gaskets at every joint for waterproof assembly

Cable strain relief provided by clamp bar type accessories

Left hand accessory threads to prevent damage from disconnect torque applied in the wrong direction

Heavy Duty Cylindrical Connectors

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MS-APPROVED CONNECTORS

To illustrate the ordering procedure, part number MS17343R20N27PW is shown as follows:

PART NUMBER

MS17343	R	20	N	27	P	W
1	2	3	4	5	6	7

1. MS Number

MS17343 designates wall mount receptacle

MS17344 designates straight plug

MS17345 designates cable connecting plug

MS17346 designates box mount receptacle

MS17347 designates jam nut receptacle with rear accessory threads (wall mount)

MS17348 designates jam nut receptacle (box mount)

2. Class

C designates pressurized – used where circuit integrity is protected by a pressure differential. R designates environmental.

3. Shell Size

Available in shell sizes 12 through 44.

4. Shell Finish

C for conductive or N for non-conductive.

5. Insert Arrangement

Please contact us for all current MS insert arrangements.

6. Contact Type

P for pin, S for socket.

7. Alternate Insert Rotation

Used to prevent cross-mating of connectors. Absence of a letter in this space indicates normal (0°) position of the insert.

MIL-DTL-22992 environmental and mechanical testing:

Condition

- Vibration
- Dielectric withstanding voltage
- Water immersion
- Insulation resistance
- Fluid immersion
- Permeability
- Contact resistance
- Temperature cycling
- Air leakage
- Insert retention
- Humidity
- Durability
- Salt spray (corrosion)

Test Procedure

- 28 of EIA-364
- 20 of EIA-364
- In accordance with MIL-DTL-22992
- 21 of EIA-364
- In accordance with MIL-DTL-22992
- In accordance with MIL-DTL-22992
- 06 of EIA-364
- 32, condition I, 5 cycles of EIA-364
- In accordance with MIL-DTL-22992
- In accordance with MIL-DTL-22992
- 106 of MIL-STD-202
- In accordance with MIL-DTL-22992
- 26 of EIA-364



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