

**Specification Details:**

Specification: MIL-DTL-22992  
 Title: Connectors, Plugs and Receptacles, Electrical, Waterproof, Quick Disconnect, Heavy Duty Type  
 Federal Supply Class (FSC): 5935  
 Conventional: Yes  
 Specification contains quality assurance program: No  
 MIL-STD-790 Established Reliability & High Reliability: Yes  
 MIL-STD-690 Failure Rate Sampling Plans & Procedures: No  
 Weibull Graded: No  
 Specification contains space level reliability requirements: No  
 Specification allows test optimization: No

**Contact Information:**

Office of Primary Involvement: Passive Devices Branch, DLA Land and Maritime - VQP  
 Primary Qualifying Activity Contact: 614-692-2152, e-mail: vqp.cr@dla.mil  
 Secondary Qualifying Activity Contact: 614-692-2867, e-mail: vqp.ab@dla.mil

**Notes:**

N/A

**Part Configuration:**

ADAPTERS ARE QUALIFIED TO ANY COMBINATION OF FINISH, TYPE, ADAPTER SIZE, AND STYLE SHOWN. AN EXAMPLE OF AN ADAPTER IS SHOWN BELOW:

| MS      | FINISH | ADAPTER<br>SIZE<br>NUMBER | TYPE | STYLE |
|---------|--------|---------------------------|------|-------|
| MS17340 | N      | 12                        | A    | 1     |

CONNECTORS ARE QUALIFIED TO ANY COMBINATION OF CLASS, FINISH AND STYLE SHOWN. THE INSERT ARRANGEMENT NUMBER APPLICABLE TO EACH SHELL SIZE IS SHOWN BESIDE THE SHELL SIZE. AN EXAMPLE OF A CONNECTOR IS SHOWN BELOW:

| MS      | CLASS | SHELL<br>SIZE | FINISH | INSERT | STYLE | ALTERNATE<br>POSITION |
|---------|-------|---------------|--------|--------|-------|-----------------------|
| MS17349 | C     | 20            | C      | 8      | P     | W                     |

AN EXAMPLE OF THE GOVERNMENT DESIGNATION WHICH IDENTIFIES THE COVER OR RECEPTACLE IS SHOWN BELOW:

| MS      | FINISH | SHELL<br>SIZE | TYPE<br>(MS17349<br>ONLY) |
|---------|--------|---------------|---------------------------|
| MS17343 | C      | 20            | A                         |

**PART LISTINGS**

**Supplier: Amphenol Aerospace/Amphenol Connectors**  
**Amphenol Aerospace/Amphenol Optimize (Mexico)**

Government Designation: MS17343  
 Manufacturer Designation: QWLD-00  
 Class: C, R  
 Finish: C, N  
 Style: P, S  
 Shell: 12 Insert: 5  
 Shell: 14 Insert: 3  
 Shell: 16 Insert: 2, 7, 9, 10, 11, 12, 13  
 Shell: 18 Insert: 1, 4, 5, 6, 7, 8, 9, 11, 13, 14, 15, 16  
 Shell: 20 Insert: 2, 4, 7, 8, 9, 14, 15, 16, 17, 18, 21, 22, 24, 27, 29, 33  
 Shell: 22 Insert: 2, 5, 7, 9, 10, 11, 12, 14, 15, 17, 18, 19, 21, 22, 23, 27, 36  
 Shell: 24 Insert: 2, 6, 7, 10, 11, 12, 16, 20, 21, 22, 27, 28  
 Shell: 28 Insert: 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 15, 17, 18, 19, 20, 21, 22  
 Shell: 32 Insert: 1, 2, 3, 6, 7, 9, 13, 15, 17, 73  
 Shell: 36 Insert: 3, 5, 6, 7, 8, 9, 10, 15, 52  
 Shell: 40 Insert: 1, 9, 56  
 Shell: 44 Insert: 52  
 Test or Qualification Reference: 12-4418

**Supplier: Amphenol Aerospace/Amphenol Connectors**  
**Amphenol Aerospace/Amphenol Optimize (Mexico)**

Government Designation: MS17344  
 Manufacturer Designation: QWLD-06  
 Class: C, R  
 Finish: C, N  
 Style: P, S  
 Shell: 12 Insert: 5  
 Shell: 14 Insert: 3  
 Shell: 16 Insert: 2, 7, 9, 10, 11, 12, 13  
 Shell: 18 Insert: 1, 4, 5, 6, 7, 8, 9, 11, 13, 14, 15, 16  
 Shell: 20 Insert: 2, 4, 7, 8, 9, 14, 15, 16, 17, 18, 21, 22, 24, 27, 29, 33  
 Shell: 22 Insert: 2, 5, 7, 9, 10, 11, 12, 14, 15, 17, 18, 19, 21, 22, 23, 27, 36  
 Shell: 24 Insert: 2, 6, 7, 10, 11, 12, 16, 20, 21, 22, 27, 28  
 Shell: 28 Insert: 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 15, 17, 18, 19, 20, 21, 22  
 Shell: 32 Insert: 1, 2, 3, 6, 7, 9, 13, 15, 17, 73  
 Shell: 36 Insert: 3, 5, 6, 7, 8, 9, 10, 15, 52  
 Shell: 40 Insert: 1, 9, 56  
 Shell: 44 Insert: 52  
 Test or Qualification Reference: 12-4418

**Supplier: Amphenol Aerospace/Amphenol Connectors**  
**Amphenol Aerospace/Amphenol Optimize (Mexico)**

Government Designation: MS17345  
Manufacturer Designation: QWLD-01  
Class: C, R  
Finish: C, N  
Style: P, S  
Shell: 12 Insert: 5  
Shell: 14 Insert: 3  
Shell: 16 Insert: 2, 7, 9, 10, 11, 12, 13  
Shell: 18 Insert: 1, 4, 5, 6, 7, 8, 9, 11, 13, 14, 15, 16  
Shell: 20 Insert: 2, 4, 7, 8, 9, 14, 15, 16, 17, 18, 21, 22, 24, 27, 29, 33  
Shell: 22 Insert: 2, 5, 7, 9, 10, 11, 12, 14, 15, 17, 18, 19, 21, 22, 23, 27, 36  
Shell: 24 Insert: 2, 6, 7, 10, 11, 12, 16, 20, 21, 22, 27, 28  
Shell: 28 Insert: 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 15, 17, 18, 19, 20, 21, 22  
Shell: 32 Insert: 1, 2, 3, 6, 7, 9, 13, 15, 17, 73  
Shell: 36 Insert: 3, 5, 6, 7, 8, 9, 10, 15, 52  
Shell: 40 Insert: 1, 9, 56  
Shell: 44 Insert: 52  
Test or Qualification Reference: 12-4418

**Supplier: Amphenol Aerospace/Amphenol Connectors**  
**Amphenol Aerospace/Amphenol Optimize (Mexico)**

Government Designation: MS17347  
Manufacturer Designation: QWLD-03  
Class: C, R  
Finish: C, N  
Style: P, S  
Shell: 12 Insert: 5  
Shell: 14 Insert: 3  
Shell: 16 Insert: 2, 7, 9, 10, 11, 12, 13  
Shell: 18 Insert: 1, 4, 5, 6, 7, 8, 9, 11, 13, 14, 15, 16  
Shell: 20 Insert: 2, 4, 7, 8, 9, 14, 15, 16, 17, 18, 21, 22, 24, 27, 29, 33  
Shell: 22 Insert: 2, 5, 7, 9, 10, 11, 12, 14, 15, 17, 18, 19, 21, 22, 23, 27, 36  
Shell: 24 Insert: 2, 6, 7, 10, 11, 12, 16, 20, 21, 22, 27, 28  
Shell: 28 Insert: 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 15, 17, 18, 19, 20, 21, 22  
Shell: 32 Insert: 1, 2, 3, 6, 7, 9, 13, 15, 17, 73  
Shell: 36 Insert: 3, 5, 6, 7, 8, 9, 10, 15, 52  
Shell: 40 Insert: 1, 9, 56  
Shell: 44 Insert: 52  
Test or Qualification Reference: 12-4418

**Supplier: Amphenol Aerospace/Amphenol Connectors**

Government Designation: MS17349  
Manufacturer Designation: QWLD COVER, RECEPTACLE  
Finish: C, N  
Type: A, B  
Shell: 12  
Shell: 14  
Shell: 16  
Shell: 18  
Shell: 20  
Shell: 22  
Shell: 24  
Shell: 28  
Shell: 32  
Shell: 36  
Shell: 40  
Shell: 44  
Test or Qualification Reference: 12-4418

**Supplier: Amphenol Aerospace/Amphenol Connectors**  
**Amphenol Aerospace/Amphenol Optimize (Mexico)**

Government Designation: MS17346  
Manufacturer Designation: QWLD-02  
Class: C, R  
Finish: C, N  
Style: P, S  
Shell: 12 Insert: 5  
Shell: 14 Insert: 3  
Shell: 16 Insert: 2, 7, 9, 10, 11, 12, 13  
Shell: 18 Insert: 1, 4, 5, 6, 7, 8, 9, 11, 13, 14, 15, 16  
Shell: 20 Insert: 2, 4, 7, 8, 9, 14, 15, 16, 17, 18, 21, 22, 24, 27, 29, 33  
Shell: 22 Insert: 2, 5, 7, 9, 10, 11, 12, 14, 15, 17, 18, 19, 21, 22, 23, 27, 36  
Shell: 24 Insert: 2, 6, 7, 10, 11, 12, 16, 20, 21, 22, 27, 28  
Shell: 28 Insert: 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 15, 17, 18, 19, 20, 21, 22  
Shell: 32 Insert: 1, 2, 3, 6, 7, 9, 13, 15, 17, 73  
Shell: 36 Insert: 3, 5, 6, 7, 8, 9, 10, 15, 52  
Shell: 40 Insert: 1, 9, 56  
Shell: 44 Insert: 52  
Test or Qualification Reference: 12-4418

**Supplier: Amphenol Aerospace/Amphenol Connectors**  
**Amphenol Aerospace/Amphenol Optimize (Mexico)**

Government Designation: MS17348  
Manufacturer Designation: QWLD-09  
Class: C, R  
Finish: C, N  
Style: P, S  
Shell: 12 Insert: 5  
Shell: 14 Insert: 3  
Shell: 16 Insert: 2, 7, 9, 10, 11, 12, 13  
Shell: 18 Insert: 1, 4, 5, 6, 7, 8, 9, 11, 13, 14, 15, 16  
Shell: 20 Insert: 2, 4, 7, 8, 9, 14, 15, 16, 17, 18, 21, 22, 24, 27, 29, 33  
Shell: 22 Insert: 2, 5, 7, 9, 10, 11, 12, 14, 15, 17, 18, 19, 21, 22, 23, 27, 36  
Shell: 24 Insert: 2, 6, 7, 10, 11, 12, 16, 20, 21, 22, 27, 28  
Shell: 28 Insert: 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 15, 17, 18, 19, 20, 21, 22  
Shell: 32 Insert: 1, 2, 3, 6, 7, 9, 13, 15, 17, 73  
Shell: 36 Insert: 3, 5, 6, 7, 8, 9, 10, 15, 52  
Shell: 40 Insert: 1, 9, 56  
Shell: 44 Insert: 52  
Test or Qualification Reference: 12-4418

**Supplier: Glenair, Inc.**

Government Designation: MS17349  
Manufacturer Designation: GS17349  
Finish: C, N  
Type: A, B  
Shell: 12  
Shell: 14  
Shell: 16  
Shell: 18  
Shell: 20  
Shell: 22  
Shell: 24  
Shell: 28  
Shell: 32  
Shell: 36  
Shell: 40  
Shell: 44  
Test or Qualification Reference: 85049-026-96

**Supplier: Spacecraft Components Corp.**

Government Designation: MS17349  
Manufacturer Designation: SCP17349( )  
Finish: C, N  
Type: A, B  
Shell: 12  
Shell: 14  
Shell: 16  
Shell: 18  
Shell: 20  
Shell: 22  
Shell: 24  
Shell: 28  
Shell: 32  
Shell: 36  
Shell: 40  
Shell: 44  
Test or Qualification Reference: 22992-3084-11

**Supplier: Amphenol Aerospace/Amphenol Connectors**

Government Designation: MS17350  
Manufacturer Designation: QWLD COVER, PLUG  
Finish: C, N  
Shell: 12  
Shell: 14  
Shell: 16  
Shell: 18  
Shell: 20  
Shell: 22  
Shell: 24  
Shell: 28  
Shell: 32  
Shell: 36  
Shell: 40  
Shell: 44  
Test or Qualification Reference: 12-4418

**Supplier: Amphenol Aerospace/Amphenol Connectors**

Government Designation: MS18062  
Manufacturer Designation: QWLD, RECEPTACLE, DUMMY STOWAGE  
Finish: C, N  
Shell: 12  
Shell: 14  
Shell: 16  
Shell: 18  
Shell: 20  
Shell: 22  
Shell: 24  
Shell: 28  
Shell: 32  
Shell: 36  
Shell: 40  
Shell: 44  
Test or Qualification Reference: 12-4418

**Supplier: Amphenol Interconnect India Pvt. Ltd.**

Government Designation: MS90555  
Manufacturer Designation: ALQWLD-555 ( )  
Finish: C  
Style: S  
Shell: 32 Insert: 2, 3, 4, 5, 6, 7, 12, 13  
Shell: 44 Insert: 2, 3, 4, 5, 6, 12, 13, 50, 51, 52, 56  
Test or Qualification Reference: 22992-3790-13; 22992-3796-13; 22992-4036-14

**Supplier: Spacecraft Components Corp.**

Government Designation: MS17350  
Manufacturer Designation: SCP17350( )  
Finish: C, N  
Shell: 12  
Shell: 14  
Shell: 16  
Shell: 18  
Shell: 20  
Shell: 22  
Shell: 24  
Shell: 28  
Shell: 32  
Shell: 36  
Shell: 40  
Shell: 44  
Test or Qualification Reference: 22992-3084-11

**Supplier: Glenair, Inc.**

Government Designation: MS17350  
Manufacturer Designation: GS17350  
Finish: C, N  
Shell: 12  
Shell: 14  
Shell: 16  
Shell: 18  
Shell: 20  
Shell: 22  
Shell: 24  
Shell: 28  
Shell: 32  
Shell: 36  
Shell: 40  
Shell: 44  
Test or Qualification Reference: 85049-026-96

**Supplier: Spacecraft Components Corp.**

Government Designation: MS18062  
Manufacturer Designation: SCP18062( )  
Finish: C, N  
Shell: 12  
Shell: 14  
Shell: 16  
Shell: 18  
Shell: 20  
Shell: 22  
Shell: 24  
Shell: 28  
Shell: 32  
Shell: 36  
Shell: 40  
Test or Qualification Reference: 22992-3084-11

**Supplier: Amphenol Aerospace/Amphenol Connectors**

Government Designation: MS90555  
Manufacturer Designation: 10-4734 ( )  
Finish: C, N  
Style: S  
Shell: 28 Insert: 12, 13  
Shell: 32 Insert: 4, 5, 12, 13  
Shell: 44 Insert: 3, 12, 13, 50  
Shell: 52 Insert: 12, 13  
Test or Qualification Reference: 22992-1078-73; 22992-165-73; 22992-166-73; 22992-167-73; 22992-168-73; 22992-716-76; 22992-804-75; 22992-905-75; 22992-938-76

**Supplier: Robert Technologies**  
Government Designation: MS90555  
Manufacturer Designation: RT90555( )  
Finish: C  
Style: S  
Shell: 32 Insert: 4, 5, 12, 13  
Shell: 44 Insert: 12, 13, 50, 51  
Test or Qualification Reference: 22992-2594-09

**Supplier: Amphenol Interconnect India Pvt. Ltd.**  
Government Designation: MS90556  
Manufacturer Designation: ALQWLD-556( )  
Finish: C  
Style: P  
Shell: 32 Insert: 2, 3, 4, 5, 6, 7, 12, 13  
Shell: 44 Insert: 2, 3, 4, 5, 6, 12, 13, 50, 51, 52, 56  
Test or Qualification Reference: 22992-3790-13; 22992-3796-13; 22992-4036-14

**Supplier: Robert Technologies**  
Government Designation: MS90557  
Manufacturer Designation: RT90557( )  
Finish: C  
Style: S  
Shell: 32 Insert: 4, 5, 12, 13  
Shell: 44 Insert: 12, 13, 50, 51  
Test or Qualification Reference: 22992-2594-09

**Supplier: Amphenol Aerospace/Amphenol Connectors**  
Government Designation: MS90557  
Manufacturer Designation: 10-4734 ( )  
Finish: C, N  
Style: S  
Shell: 28 Insert: 12, 13  
Shell: 32 Insert: 4, 5, 12, 13  
Shell: 44 Insert: 3, 12, 13, 51  
Shell: 52 Insert: 12, 13  
Test or Qualification Reference: 22992-1078-73; 22992-165-73; 22992-166-73; 22992-167-73; 22992-168-73; 22992-716-76; 22992-804-75; 22992-909-75; 22992-938-76

**Supplier: Amphenol Interconnect India Pvt. Ltd.**  
Government Designation: MS90558  
Manufacturer Designation: ALQWLD-558( )  
Finish: C  
Style: P  
Shell: 32 Insert: 2, 3, 4, 5, 6, 7, 12, 13  
Shell: 44 Insert: 2, 3, 4, 5, 6, 12, 13, 50, 51, 52, 56  
Test or Qualification Reference: 22992-3790-13; 22992-3796-13; 22992-4036-14

**Supplier: Amphenol Interconnect India Pvt. Ltd.**  
Government Designation: MS90561-1  
Manufacturer Designation: ALQWLD-CG-1  
Test or Qualification Reference: 22992-3790-13

**Supplier: SPI, Inc.**  
Government Designation: MS90561-1  
Manufacturer Designation: MS90561-1  
Test or Qualification Reference: 22992-2780-10

**Supplier: Amphenol Aerospace/Amphenol Connectors**  
Government Designation: MS90556  
Manufacturer Designation: 10-4734 ( )  
Finish: C, N  
Style: P  
Shell: 28 Insert: 12, 13  
Shell: 32 Insert: 4, 5, 12, 13  
Shell: 44 Insert: 3, 12, 13, 51, 52, 56  
Shell: 52 Insert: 12, 13  
Test or Qualification Reference: 22992-1078-73; 22992-165-73; 22992-166-73; 22992-167-73; 22992-168-73; 22992-716-76; 22992-804-75; 22992-909-75; 22992-938-76

**Supplier: Robert Technologies**  
Government Designation: MS90556  
Manufacturer Designation: RT90556( )  
Finish: C  
Style: P  
Shell: 32 Insert: 4, 5, 12, 13  
Shell: 44 Insert: 12, 13, 50, 51  
Test or Qualification Reference: 22992-2594-09

**Supplier: Amphenol Interconnect India Pvt. Ltd.**  
Government Designation: MS90557  
Manufacturer Designation: ALQWLD-557( )  
Finish: C  
Style: S  
Shell: 32 Insert: 2, 3, 4, 5, 6, 7, 12, 13  
Shell: 44 Insert: 2, 3, 4, 5, 6, 12, 13, 50, 51, 52, 56  
Test or Qualification Reference: 22992-3790-13; 22992-3796-13; 22992-4036-14

**Supplier: Robert Technologies**  
Government Designation: MS90558  
Manufacturer Designation: RT90558( )  
Finish: C  
Style: P  
Shell: 32 Insert: 4, 5, 12, 13  
Shell: 44 Insert: 12, 13, 50, 51  
Test or Qualification Reference: 22992-2594-09

**Supplier: Amphenol Aerospace/Amphenol Connectors**  
Government Designation: MS90558  
Manufacturer Designation: 10-4734 ( )  
Finish: C, N  
Style: P  
Shell: 28 Insert: 12, 13  
Shell: 32 Insert: 4, 5, 12, 13  
Shell: 44 Insert: 3, 12, 13, 50  
Shell: 52 Insert: 12, 13  
Test or Qualification Reference: 22992-1078-73; 22992-165-73; 22992-166-73; 22992-167-73; 22992-168-73; 22992-716-76; 22992-804-75; 22992-909-75; 22992-938-76

**Supplier: Amtec Corporation**  
Government Designation: MS90561-1  
Manufacturer Designation: MS90561-1  
Test or Qualification Reference: 209484

**Supplier: SPI, Inc.**  
Government Designation: MS90561-2  
Manufacturer Designation: MS90561-2  
Test or Qualification Reference: 22992-2780-10

|                                                                                                                                                                                          |                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Supplier: Amtec Corporation</b><br>Government Designation: MS90561-2<br>Manufacturer Designation: MS90561-2<br>Test or Qualification Reference: 209484                                | <b>Supplier: Amphenol Interconnect India Pvt. Ltd.</b><br>Government Designation: MS90561-2<br>Manufacturer Designation: ALQWLD-CG-2<br>Test or Qualification Reference: 22992-3790-13   |
| <b>Supplier: Amtec Corporation</b><br>Government Designation: MS90561-3<br>Manufacturer Designation: MS90561-3<br>Test or Qualification Reference: 209484                                | <b>Supplier: SPI, Inc.</b><br>Government Designation: MS90561-3<br>Manufacturer Designation: MS90561-3<br>Test or Qualification Reference: 22992-2780-10                                 |
| <b>Supplier: Amphenol Interconnect India Pvt. Ltd.</b><br>Government Designation: MS90561-3<br>Manufacturer Designation: ALQWLD-CG-3<br>Test or Qualification Reference: 22992-3790-13   | <b>Supplier: SPI, Inc.</b><br>Government Designation: MS90561-4<br>Manufacturer Designation: MS90561-4<br>Test or Qualification Reference: 22992-2780-10                                 |
| <b>Supplier: Amtec Corporation</b><br>Government Designation: MS90561-4<br>Manufacturer Designation: MS90561-4<br>Test or Qualification Reference: 209484                                | <b>Supplier: Amphenol Interconnect India Pvt. Ltd.</b><br>Government Designation: MS90561-5<br>Manufacturer Designation: ALQWLD-CG-5<br>Test or Qualification Reference: 22992-4036-14   |
| <b>Supplier: SPI, Inc.</b><br>Government Designation: MS90561-5<br>Manufacturer Designation: MS90561-5<br>Test or Qualification Reference: 22992-2780-10                                 | <b>Supplier: Amtec Corporation</b><br>Government Designation: MS90561-5<br>Manufacturer Designation: MS90561-5<br>Test or Qualification Reference: 209484                                |
| <b>Supplier: SPI, Inc.</b><br>Government Designation: MS90561-6<br>Manufacturer Designation: MS90561-6<br>Test or Qualification Reference: 22992-2780-10                                 | <b>Supplier: Amtec Corporation</b><br>Government Designation: MS90561-6<br>Manufacturer Designation: MS90561-6<br>Test or Qualification Reference: 209484                                |
| <b>Supplier: Amphenol Interconnect India Pvt. Ltd.</b><br>Government Designation: MS90561-6<br>Manufacturer Designation: ALQWLD-CG-6<br>Test or Qualification Reference: 22992-4036-14   | <b>Supplier: SPI, Inc.</b><br>Government Designation: MS90561-7<br>Manufacturer Designation: MS90561-7<br>Test or Qualification Reference: 22992-2780-10                                 |
| <b>Supplier: Amtec Corporation</b><br>Government Designation: MS90561-7<br>Manufacturer Designation: MS90561-7<br>Test or Qualification Reference: 209484                                | <b>Supplier: Amtec Corporation</b><br>Government Designation: MS90561-8<br>Manufacturer Designation: MS90561-8<br>Test or Qualification Reference: 209484                                |
| <b>Supplier: SPI, Inc.</b><br>Government Designation: MS90561-8<br>Manufacturer Designation: MS90561-8<br>Test or Qualification Reference: 22992-2780-10                                 | <b>Supplier: Amtec Corporation</b><br>Government Designation: MS90561-9<br>Manufacturer Designation: MS90561-9<br>Test or Qualification Reference: 209484                                |
| <b>Supplier: SPI, Inc.</b><br>Government Designation: MS90561-9<br>Manufacturer Designation: MS90561-9<br>Test or Qualification Reference: 22992-2780-10                                 | <b>Supplier: Amtec Corporation</b><br>Government Designation: MS90561-12<br>Manufacturer Designation: MS90561-12<br>Test or Qualification Reference: 209484                              |
| <b>Supplier: SPI, Inc.</b><br>Government Designation: MS90561-12<br>Manufacturer Designation: MS90561-12<br>Test or Qualification Reference: 22992-2780-10                               | <b>Supplier: Amphenol Interconnect India Pvt. Ltd.</b><br>Government Designation: MS90561-12<br>Manufacturer Designation: ALQWLD-CG-12<br>Test or Qualification Reference: 22992-3790-13 |
| <b>Supplier: SPI, Inc.</b><br>Government Designation: MS90561-13<br>Manufacturer Designation: MS90561-13<br>Test or Qualification Reference: 22992-2780-10                               | <b>Supplier: Amtec Corporation</b><br>Government Designation: MS90561-13<br>Manufacturer Designation: MS90561-13<br>Test or Qualification Reference: 209484                              |
| <b>Supplier: Amphenol Interconnect India Pvt. Ltd.</b><br>Government Designation: MS90561-13<br>Manufacturer Designation: ALQWLD-CG-13<br>Test or Qualification Reference: 22992-3790-13 | <b>Supplier: Amtec Corporation</b><br>Government Designation: MS90561-14<br>Manufacturer Designation: MS90561-14<br>Test or Qualification Reference: 209484                              |

**Supplier: Amphenol Interconnect India Pvt. Ltd.**

Government Designation: MS90561-14

Manufacturer Designation: ALQWLD-CG-14

Test or Qualification Reference: 22992-4036-14

**Supplier: SPI, Inc.**

Government Designation: MS90561-15

Manufacturer Designation: MS90561-15

Test or Qualification Reference: 22992-2780-10

**Supplier: Amtec Corporation**

Government Designation: MS90561-15

Manufacturer Designation: MS90561-15

Test or Qualification Reference: 209484

**Supplier: Amtec Corporation**

Government Designation: MS90561-16

Manufacturer Designation: MS90561-16

Test or Qualification Reference: 209484

**Supplier: Amtec Corporation**

Government Designation: MS90561-17

Manufacturer Designation: MS90561-17

Test or Qualification Reference: 209484

**Supplier: SPI, Inc.**

Government Designation: MS90561-18

Manufacturer Designation: MS90561-18

Test or Qualification Reference: 22992-2780-10

**Supplier: Amtec Corporation**

Government Designation: MS90561-19

Manufacturer Designation: MS90561-19

Test or Qualification Reference: 209484

**Supplier: Amphenol Interconnect India Pvt. Ltd.**

Government Designation: MS90561-19

Manufacturer Designation: ALQWLD-CG-19

Test or Qualification Reference: 22992-4036-14

**Supplier: SPI, Inc.**

Government Designation: MS90561-20

Manufacturer Designation: MS90561-20

Test or Qualification Reference: 22992-2780-10

**Supplier: Amtec Corporation**

Government Designation: MS90561-21

Manufacturer Designation: MS90561-21

Test or Qualification Reference: 209484

**Supplier: SPI, Inc.**

Government Designation: MS90561-21

Manufacturer Designation: MS90561-21

Test or Qualification Reference: 22992-2780-10

**Supplier: Spacecraft Components Corp.**

Government Designation: MS90563-1C

Manufacturer Designation: SCP90563( )

Finish: C, N

Test or Qualification Reference: 22992-3084-11

**Supplier: Amphenol Aerospace/Amphenol Connectors**

Government Designation: MS90563-3C

Manufacturer Designation: 10-473432-329

Test or Qualification Reference: 2292-1078-73; 22992-165-73; 22992-167-73; 22992-804-75; 22992-909-75

**Supplier: SPI, Inc.**

Government Designation: MS90561-14

Manufacturer Designation: MS90561-14

Test or Qualification Reference: 22992-2780-10

**Supplier: Amphenol Interconnect India Pvt. Ltd.**

Government Designation: MS90561-15

Manufacturer Designation: ALQWLD-CG-15

Test or Qualification Reference: 22992-4036-14

**Supplier: Amphenol Interconnect India Pvt. Ltd.**

Government Designation: MS90561-16

Manufacturer Designation: ALQWLD-CG-16

Test or Qualification Reference: 22992-4036-14

**Supplier: SPI, Inc.**

Government Designation: MS90561-16

Manufacturer Designation: MS90561-16

Test or Qualification Reference: 22992-2780-10

**Supplier: SPI, Inc.**

Government Designation: MS90561-17

Manufacturer Designation: MS90561-17

Test or Qualification Reference: 22992-2780-10

**Supplier: Amtec Corporation**

Government Designation: MS90561-18

Manufacturer Designation: MS90561-18

Test or Qualification Reference: 209484

**Supplier: SPI, Inc.**

Government Designation: MS90561-19

Manufacturer Designation: MS90561-19

Test or Qualification Reference: 22992-2780-10

**Supplier: Amphenol Interconnect India Pvt. Ltd.**

Government Designation: MS90561-20

Manufacturer Designation: ALQWLD-CG-20

Test or Qualification Reference: 22992-4036-14

**Supplier: Amtec Corporation**

Government Designation: MS90561-20

Manufacturer Designation: MS90561-20

Test or Qualification Reference: 209484

**Supplier: Amphenol Interconnect India Pvt. Ltd.**

Government Designation: MS90561-21

Manufacturer Designation: ALQWLD-CG-21

Test or Qualification Reference: 22992-4036-14

**Supplier: Amphenol Aerospace/Amphenol Connectors**

Government Designation: MS90563-1C

Manufacturer Designation: 229-134-28000

Test or Qualification Reference: 22992-1078-72; 22992-165-73; 22992-167-73; 22992-804-75; 22992-909-75

**Supplier: Spacecraft Components Corp.**

Government Designation: MS90563-1N

Manufacturer Designation: SCP90563( )

Finish: C, N

Test or Qualification Reference: 22992-3084-11

**Supplier: Amphenol Interconnect India Pvt. Ltd.**

Government Designation: MS90563-3C

Manufacturer Designation: ALQWLD-563-3C

Test or Qualification Reference: 22992-3790-13

**Supplier: Spacecraft Components Corp.**

Government Designation: MS90563-3C  
Manufacturer Designation: SCP90563( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Spacecraft Components Corp.**

Government Designation: MS90563-3N  
Manufacturer Designation: SCP90563( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Amphenol Interconnect India Pvt. Ltd.**

Government Designation: MS90563-4C  
Manufacturer Designation: ALQWLD-563-4C  
Test or Qualification Reference: 22992-3790-13

**Supplier: Spacecraft Components Corp.**

Government Designation: MS90563-4N  
Manufacturer Designation: SCP90563( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Robert Technologies**

Government Designation: MS90563-7C  
Manufacturer Designation: RT90563  
Test or Qualification Reference: 22992-2594-09

**Supplier: Amphenol Aerospace/Amphenol Connectors**

Government Designation: MS90563-7C  
Manufacturer Designation: 10-473432-449  
Test or Qualification Reference: 22992-1078-73; 22992-165-73; 22992-167-73; 22992-804-75; 22992-909-75

**Supplier: Amphenol Aerospace/Amphenol Connectors**

Government Designation: MS90563-7N  
Manufacturer Designation: 229-142-44100  
Test or Qualification Reference: 22992-716-76

**Supplier: Spacecraft Components Corp.**

Government Designation: MS90563-9N  
Manufacturer Designation: SCP90563( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Spacecraft Components Corp.**

Government Designation: MS90563-11C  
Manufacturer Designation: SCP90563( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Spacecraft Components Corp.**

Government Designation: MS90564-1C  
Manufacturer Designation: SCP90564( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Spacecraft Components Corp.**

Government Designation: MS90564-1N  
Manufacturer Designation: SCP90564( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Amphenol Aerospace/Amphenol Connectors**

Government Designation: MS90564-3C  
Manufacturer Designation: 10-473431-329  
Test or Qualification Reference: 22992-1078-73; 22992-166-73; 22992-168-73; 22992-804-73; 22992-909-75

**Supplier: Robert Technologies**

Government Designation: MS90563-3C  
Manufacturer Designation: RT90563  
Test or Qualification Reference: 22992-2594-09

**Supplier: Spacecraft Components Corp.**

Government Designation: MS90563-4C  
Manufacturer Designation: SCP90563( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Amphenol Aerospace/Amphenol Connectors**

Government Designation: MS90563-4C  
Manufacturer Designation: 10-473432-339  
Test or Qualification Reference: 22992-1078-73; 22992-165-73; 22992-167-73; 22992-804-75; 22992-909-75

**Supplier: Spacecraft Components Corp.**

Government Designation: MS90563-7C  
Manufacturer Designation: SCP90563( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Amphenol Interconnect India Pvt. Ltd.**

Government Designation: MS90563-7C  
Manufacturer Designation: ALQWLD-563-7C  
Test or Qualification Reference: 22992-4036-14

**Supplier: Spacecraft Components Corp.**

Government Designation: MS90563-7N  
Manufacturer Designation: SCP90563( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Spacecraft Components Corp.**

Government Designation: MS90563-9C  
Manufacturer Designation: SCP90563( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Amphenol Aerospace/Amphenol Connectors**

Government Designation: MS90563-11C  
Manufacturer Designation: 10-473432-529  
Test or Qualification Reference: 22992-1078-72; 22992-165-73; 22992-167-73; 22992-804-75; 22992-909-75

**Supplier: Spacecraft Components Corp.**

Government Designation: MS90563-11N  
Manufacturer Designation: SCP90563( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Amphenol Aerospace/Amphenol Connectors**

Government Designation: MS90564-1C  
Manufacturer Designation: 229-135-28000  
Test or Qualification Reference: 22992-1078-73; 22992-166-73; 22992-167-73; 22992-804-73; 22992-909-75

**Supplier: Spacecraft Components Corp.**

Government Designation: MS90564-3C  
Manufacturer Designation: SCP90564( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Amphenol Interconnect India Pvt. Ltd.**

Government Designation: MS90564-3C  
Manufacturer Designation: ALQWLD-564-3C  
Test or Qualification Reference: 22992-3790-13

**Supplier: Robert Technologies**  
Government Designation: MS90564-3C  
Manufacturer Designation: RT90564  
Test or Qualification Reference: 22992-2594-09

**Supplier: Spacecraft Components Corp.**  
Government Designation: MS90564-4C  
Manufacturer Designation: SCP90564( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Amphenol Interconnect India Pvt. Ltd.**  
Government Designation: MS90564-4C  
Manufacturer Designation: ALQWLD-564-4C  
Test or Qualification Reference: 22992-3790-13

**Supplier: Amphenol Interconnect India Pvt. Ltd.**  
Government Designation: MS90564-7C  
Manufacturer Designation: ALQWLD-564-7C  
Test or Qualification Reference: 22992-4036-14

**Supplier: Spacecraft Components Corp.**  
Government Designation: MS90564-7C  
Manufacturer Designation: SCP90564( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Spacecraft Components Corp.**  
Government Designation: MS90564-7N  
Manufacturer Designation: SCP90564( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Spacecraft Components Corp.**  
Government Designation: MS90564-9C  
Manufacturer Designation: SCP90564( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Amphenol Aerospace/Amphenol Connectors**  
Government Designation: MS90564-11C  
Manufacturer Designation: 10-473431-529  
Test or Qualification Reference: 22992-1078-73; 22992-166-73; 22992-168-73; 22992-804-73; 22992-909-75

**Supplier: Spacecraft Components Corp.**  
Government Designation: MS90564-11N  
Manufacturer Designation: SCP90564( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Spacecraft Components Corp.**  
Government Designation: MS90564-3N  
Manufacturer Designation: SCP90564( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Amphenol Aerospace/Amphenol Connectors**  
Government Designation: MS90564-4C  
Manufacturer Designation: 10-473431-339  
Test or Qualification Reference: 22992-1078-73; 22992-166-73; 22992-168-73; 22992-804-73; 22992-909-75

**Supplier: Spacecraft Components Corp.**  
Government Designation: MS90564-4N  
Manufacturer Designation: SCP90564( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Robert Technologies**  
Government Designation: MS90564-7C  
Manufacturer Designation: RT90564  
Test or Qualification Reference: 22992-2594-09

**Supplier: Amphenol Aerospace/Amphenol Connectors**  
Government Designation: MS90564-7C  
Manufacturer Designation: 10-473431-449  
Test or Qualification Reference: 22992-1078-73; 22992-166-73; 22992-168-73; 22992-804-73; 22992-909-75

**Supplier: Amphenol Aerospace/Amphenol Connectors**  
Government Designation: MS90564-7N  
Manufacturer Designation: 229-141-44100  
Test or Qualification Reference: 22992-716-76

**Supplier: Spacecraft Components Corp.**  
Government Designation: MS90564-9N  
Manufacturer Designation: SCP90564( )  
Test or Qualification Reference: 22992-3084-11

**Supplier: Spacecraft Components Corp.**  
Government Designation: MS90564-11C  
Manufacturer Designation: SCP90564( )  
Test or Qualification Reference: 22992-3084-11

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**Manufacturer and Supplier Location Information**

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**Manufacturer: Amphenol Aerospace/Amphenol Connectors (CAGE Code: 77820)**

Location: 40-60 Delaware Avenue, Sidney, NY 13838-1395, US

Plants:

1. Plant: Same Address as Manufacturer
2. Amphenol Aerospace/Amphenol Optimize (Mexico), Calle Los Gavilanes #51, Parque Industrial San Ramon, Nogales, Sonora CP 84094, MX

Authorized Distributors:

1. Arrow Electronics, Boulevard Luis Donaldo Colosio #1179, Colonia Obrera, Nogales, Sonora
2. Avnet, Inc., Mariposa Industrial Park #1, 1481 N. Industrial Park, Suite #2, Nogales, AZ 85621, US
3. Powell Electronics, Inc., 200 Commodore Drive, Logan Township, NJ 08085-1270, US

**Manufacturer: Amphenol Interconnect India Pvt. Ltd. (CAGE Code: SF116)**

Location: Plot No. 105, Bhosari Industrial Area, Pune, 411 026, India

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Amtec Corporation (CAGE Code: 1RX07)**

Location: 30 Center Pkwy, Plainfield, CT 06374, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Glenair, Inc. (CAGE Code: 06324)**

Location: 1211 Air Way, Glendale, CA 91201-2497, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Robert Technologies (CAGE Code: 076Z5)**

Location: 37 Main Street, South River, NJ 08882, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: Spacecraft Components Corp. (CAGE Code: 2B618)**

Location: 3040 North Clayton Street, North Las Vegas, NV 89032, US

Plants:

1. Plant: Same Address as Manufacturer

**Manufacturer: SPI, Inc. (corporate office only) (CAGE Code: 49016)**

Location: 1170 South Patton Street, Xenia, OH 45385, US

Plants:

1. SPI/Rotary, No. 4, 2nd Cross 4th Main, Industrial Town Rajajinagar, Bangalore, India