

# MS3111 Connector Type Datasheet

HM Series • MIL-DTL-26482 Series 1 Type Connectors

## HM01 F 14-18 S N - 02

- 1 **BASIC PART NUMBER**  
HM01 Cable mount recept. w/ integrated backshell
- 2 **MATERIAL & FINISH**  
F Aluminum, olive drab cadmium
- 3 **SHELL SIZE & INSERT ARRANGEMENT**  
See Insert Arrangement Selection table, p. H-9
- 4 **CONTACT STYLE**  
P Pin  
S Socket
- 5 **INSERT ROTATION**  
N Normal or W, X, Y, Z, see p. H-9 for availability
- 6 **OPTIONAL ACCESSORY KIT (OMIT FOR NONE)**  
02 Protective cover

**Note:** See part builder (p. H-8) for additional kit options.



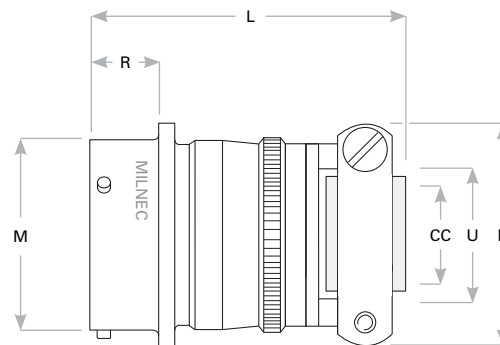
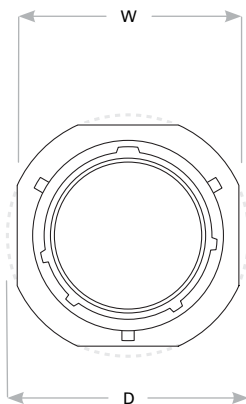
### HM01 Cross Reference & Compatibility

| Compatible Brands             | Equivalent | Mates        |
|-------------------------------|------------|--------------|
| <b>MIL-DTL-26482 Series 1</b> | MS3111     | MS3116       |
| <b>Amphenol</b>               | PT01       | PT06, PT08   |
| <b>Array</b>                  | PW01       | PW06, PW08   |
| <b>ITT Cannon</b>             | KPT01      | KPT06, KPT08 |
| <b>Souriau</b>                | 85101      | 85106, 85108 |

### Receptacle Dimensions

| Shell Size | W            | D            | L            | R           | M            | B            | U           | CC Cable Clearance |
|------------|--------------|--------------|--------------|-------------|--------------|--------------|-------------|--------------------|
| 8          | .812 (20.6)  | .938 (23.8)  | 1.922 (48.8) | .400 (10.2) | .473 (12.0)  | .812 (20.6)  | .240 (6.1)  | .125 (3.2)         |
| 10         | .938 (23.8)  | 1.062 (27.0) | 1.922 (48.8) | .400 (10.2) | .590 (15.0)  | .875 (22.2)  | .302 (7.7)  | .188 (4.8)         |
| 12         | 1.031 (26.2) | 1.156 (29.4) | 1.922 (48.8) | .400 (10.2) | .750 (19.1)  | 1.000 (25.4) | .428 (10.9) | .312 (7.9)         |
| 14         | 1.125 (28.6) | 1.250 (31.8) | 1.922 (48.8) | .400 (10.2) | .875 (22.2)  | 1.125 (28.6) | .552 (14.0) | .375 (9.5)         |
| 16         | 1.219 (31.0) | 1.344 (34.1) | 2.047 (52.0) | .400 (10.2) | 1.000 (25.4) | 1.188 (30.2) | .615 (15.6) | .500 (12.7)        |
| 18         | 1.312 (33.3) | 1.438 (36.5) | 2.078 (52.8) | .400 (10.2) | 1.125 (28.6) | 1.438 (36.5) | .740 (18.8) | .625 (15.9)        |
| 20         | 1.438 (36.5) | 1.562 (39.7) | 2.344 (59.5) | .535 (13.6) | 1.250 (31.8) | 1.438 (36.5) | .740 (18.8) | .625 (15.9)        |
| 22         | 1.562 (39.7) | 1.688 (42.9) | 2.344 (59.5) | .535 (13.6) | 1.375 (34.9) | 1.625 (41.3) | .928 (23.6) | .750 (19.1)        |
| 24         | 1.688 (42.9) | 1.812 (46.0) | 2.406 (61.1) | .568 (14.4) | 1.500 (38.1) | 1.719 (43.7) | .990 (25.1) | .800 (20.3)        |

Dimensions are in inches (mm).



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