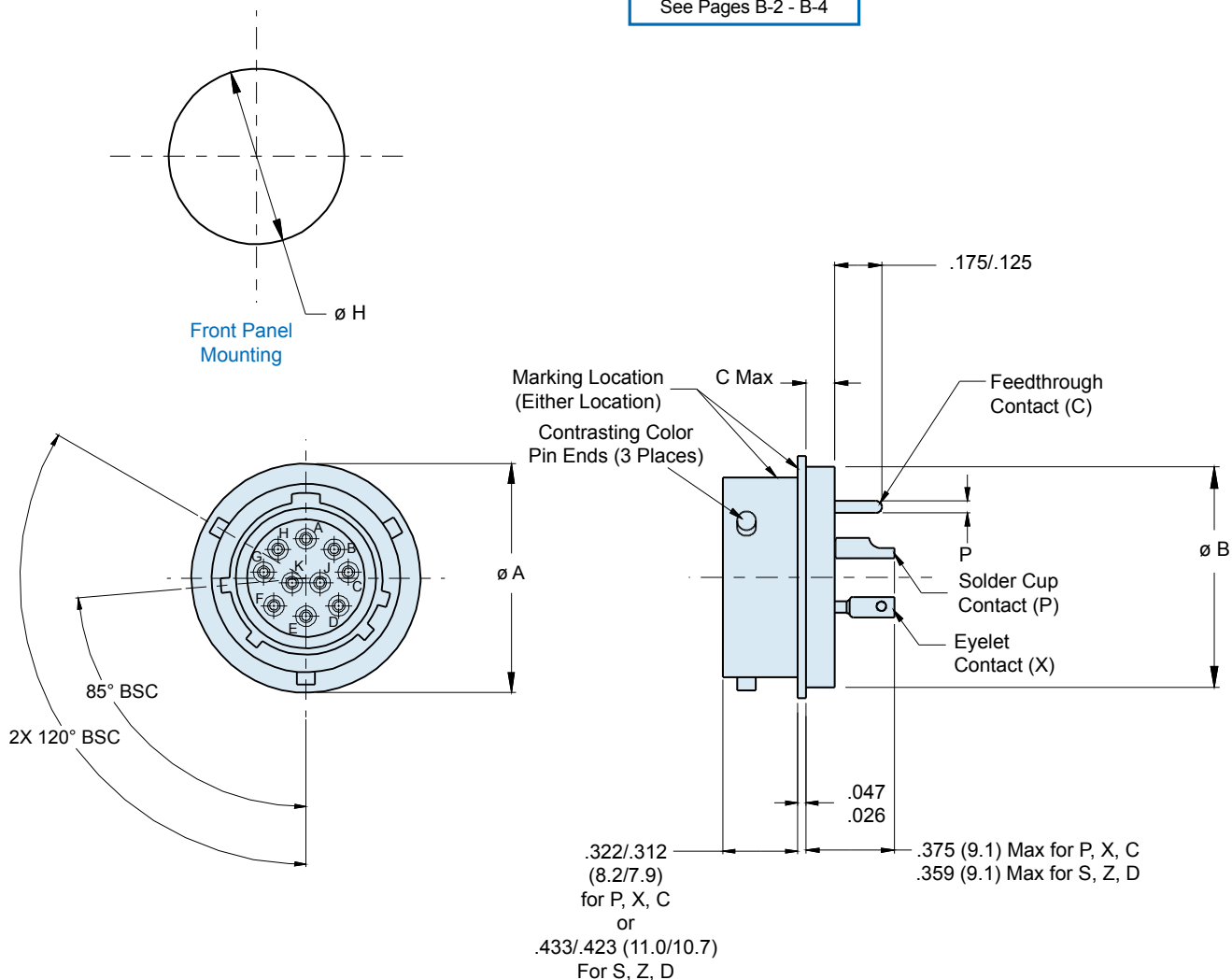


# MS27478 Solder Mount Hermetic Receptacle MIL-DTL-38999 Series II

## How To Order: MS

|                                                                |                                                                                                                                                                                 |                                                                                                                                                                                                                                           |
|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shell Style</b><br><b>MS27478</b> - Solder Mount, Series II | <b>Connector Material / Finish</b><br><b>D</b> - Carbon Steel - Fused Tin Finish<br><b>E</b> - Stainless Steel - Passivate Finish<br><b>N</b> - Stainless Steel - Nickel Finish | <b>Contact Termination</b><br><b>P</b> - Pin, Solder Cup<br><b>X</b> - Pin, Eyelet<br><b>C</b> - Pin, PCB<br>Flex Feedthrough<br><b>S</b> - Socket, Solder Cup<br><b>Z</b> - Socket, Eyelet<br><b>D</b> - Socket, PCB<br>Flex Feedthrough |
| <b>Class</b><br><b>Y</b> - Hermetic                            | <b>MS27478</b>                                                                                                                                                                  | <b>Y</b>                                                                                                                                                                                                                                  |
|                                                                | <b>10</b>                                                                                                                                                                       | <b>N</b>                                                                                                                                                                                                                                  |
|                                                                | <b>35</b>                                                                                                                                                                       | <b>P</b>                                                                                                                                                                                                                                  |
|                                                                | <b>A</b>                                                                                                                                                                        | <b>A</b>                                                                                                                                                                                                                                  |
|                                                                | <b>Shell Size</b><br>8, 10, 12, 14, 16, 18, 20, 22, 24                                                                                                                          | <b>Insert Arrangement</b><br>MIL-DTL-38999 Series II<br>Hermetic Inserts Per<br>MIL-STD-1560;<br>See Pages B-2 - B-4                                                                                                                      |
|                                                                |                                                                                                                                                                                 | <b>Alternate Key Position</b><br><b>A, B, C, D</b><br>(Omit for Normal)                                                                                                                                                                   |



# MS27478

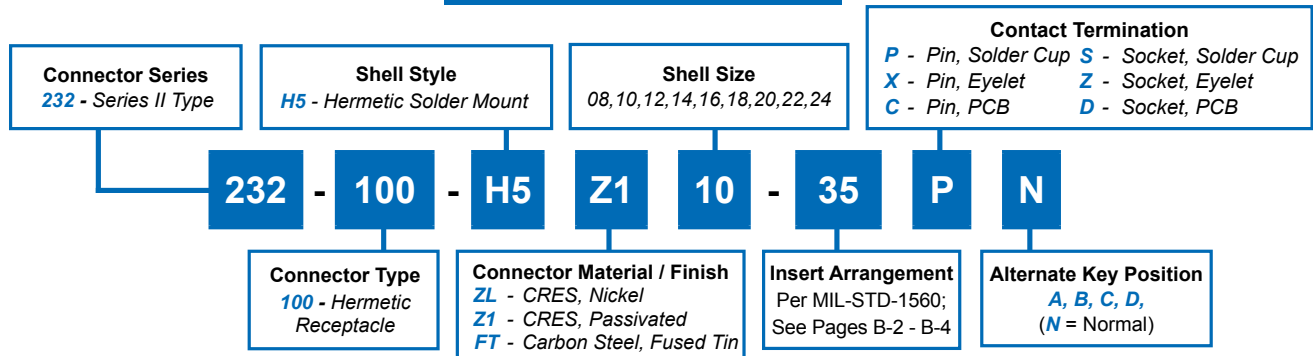
## Solder Mount Hermetic Receptacle

### MIL-DTL-38999 Series II



D38999 QPL  
Hermetics

#### How To Order: *Commercial*



B

TABLE I: CONNECTOR DIMENSIONS

| SHELL SIZE | ø A<br>±.011(0.3) | ø B                        | C<br>MAX  | ø H<br>±.005(0.1) |
|------------|-------------------|----------------------------|-----------|-------------------|
| 8/08       | .688(17.5)        | .557(14.)<br>.557(14.1)    | .125(3.2) | .570(14.5)        |
| 10         | .798(20.3)        | .673(17.1)<br>.667(16.9)   |           | .680(17.3)        |
| 12         | .907(23.0)        | .782(19.9)<br>.776(19.7)   |           | .789(20.0)        |
| 14         | 1.032(26.2)       | .907(23.0)<br>.901(22.9)   |           | .914(23.2)        |
| 16         | 1.157(29.4)       | 1.032(26.2)<br>1.027(26.1) |           | 1.039(26.4)       |
| 18         | 1.282(32.6)       | 1.157(29.4)<br>1.151(29.2) |           | 1.164(29.6)       |
| 20         | 1.376(35.0)       | 1.251(31.8)<br>1.245(31.6) |           | 1.258(32.0)       |
| 22         | 1.501(38.1)       | 1.376(35.0)<br>1.370(34.8) | .156(4.0) | 1.383(35.1)       |
| 24         | 1.626(41.3)       | 1.501(38.1)<br>1.495(38.0) |           | 1.508(38.3)       |

TABLE II: CONTACT SIZE

| PRINTED CIRCUIT TAIL CONFIGURATIONS<br>CONTACT STYLE C AND D |                              |
|--------------------------------------------------------------|------------------------------|
|                                                              |                              |
| Contact Size                                                 | ø P                          |
| 22D                                                          | .011 (0.28)<br>.015 (0.38)   |
| 20                                                           | .024 (0.61)<br>.028 (0.71)   |
| 16                                                           | .0635 (1.61)<br>.0615 (1.56) |
| 12                                                           | .095 (2.41)<br>.093 (2.36)   |

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