

# 233-100-H8 Weld mount hermetic receptacle

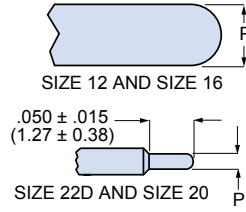
## MIL-DTL-38999 Series III type

| How To Order Commercial          |                                                                                                                                             |     |    |       |   |   |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-------|---|---|
| Sample Part Number               | 233-100                                                                                                                                     | -H8 | Z1 | 11-35 | P | N |
| Series / Basic Part No.          | Series 23 SuperNine® Hermetic Receptacle                                                                                                    |     |    |       |   |   |
| Connector Style                  | H8 = Weld Mount                                                                                                                             |     |    |       |   |   |
| Finish*                          | Z1 = CRES, Passivated<br>ZL = CRES, Nickel Finish                                                                                           |     |    |       |   |   |
| Shell Size - Insert Arrangement* | Per MIL-STD-1560                                                                                                                            |     |    |       |   |   |
| Contact Type                     | P = Pin, Solder Cup      S = Socket, Solder Cup<br>X = Pin, Eyelet          Z = Socket, Eyelet<br>C = Pin, PCB              D = Socket, PCB |     |    |       |   |   |
| Alternate Key Position*          | A, B, C, D, E, N = Normal                                                                                                                   |     |    |       |   |   |

**\*Refer to Section A for complete details**

Modification codes may be added directly to the end of any valid part number

| Dimensions      |            |                     |                              |                              |                          |
|-----------------|------------|---------------------|------------------------------|------------------------------|--------------------------|
| Shell Size Code | Shell Size | A Thread            | Ø B                          | Ø C                          | Ø D                      |
| A               | 9/09       | .6250-1P-.3L-TS-2A  | .941 (23.9)<br>.929 (23.6)   | .984 (25.0)<br>.972 (24.7)   | .134 (3.4)<br>.118 (3.0) |
| B               | 11         | .7500-1P-.3L-TS-2A  | 1.063 (27.0)<br>1.051 (27.0) | 1.106 (28.1)<br>1.094 (27.8) | .134 (3.4)<br>.118 (3.0) |
| C               | 13         | .8750-1P-.3L-TS-2A  | 1.189 (30.2)<br>1.177 (28.9) | 1.232 (31.3)<br>1.220 (31.0) | .134 (3.4)<br>.118 (3.0) |
| D               | 15         | 1.0000-1P-.3L-TS-2A | 1.315 (33.4)<br>1.303 (33.1) | 1.358 (34.5)<br>1.346 (34.2) | .134 (3.4)<br>.118 (3.0) |
| E               | 17         | 1.1875-1P-.3L-TS-2A | 1.402 (35.6)<br>1.390 (35.3) | 1.445 (36.7)<br>1.433 (36.4) | .134 (3.4)<br>.118 (3.0) |
| F               | 19         | 1.2500-1P-.3L-TS-2A | 1.547 (39.3)<br>1.535 (39.0) | 1.591 (40.4)<br>1.579 (40.1) | .134 (3.4)<br>.118 (3.0) |
| G               | 21         | 1.3750-1P-.3L-TS-2A | 1.689 (42.9)<br>1.677 (42.6) | 1.732 (44.0)<br>1.720 (43.7) | .134 (3.4)<br>.118 (3.0) |
| H               | 23         | 1.5000-1P-.3L-TS-2A | 1.854 (47.1)<br>1.842 (46.8) | 1.898 (48.2)<br>1.886 (47.4) | .165 (4.2)<br>.149 (3.8) |
| J               | 25         | 1.6250-1P-.3L-TS-2A | 1.941 (49.3)<br>1.929 (49.0) | 1.984 (50.4)<br>1.972 (50.1) | .165 (4.2)<br>.149 (3.8) |

| Contact Size & Dia.                                                                                                                                   |                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| PRINTED CIRCUIT TAIL CONFIGURATIONS<br>CONTACT STYLE C AND D<br> |                              |
| 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)   |

| Hermetic Leak Rate Mod Codes |                                            |
|------------------------------|--------------------------------------------|
| Designator                   | Required Leak Rate                         |
| -585A                        | 1 x 10 <sup>-10</sup> cc Helium per second |
| -585B                        | 1 x 10 <sup>-9</sup> cc Helium per second  |
| -585C                        | 1 x 10 <sup>-8</sup> cc Helium per second  |

| Wire Accommodation |            |
|--------------------|------------|
| Contact Size       | Wire Gauge |
| 22D                | #22 - #28  |
| 20                 | #20 - #24  |
| 16                 | #16 - #20  |
| 12                 | #12 - #14  |

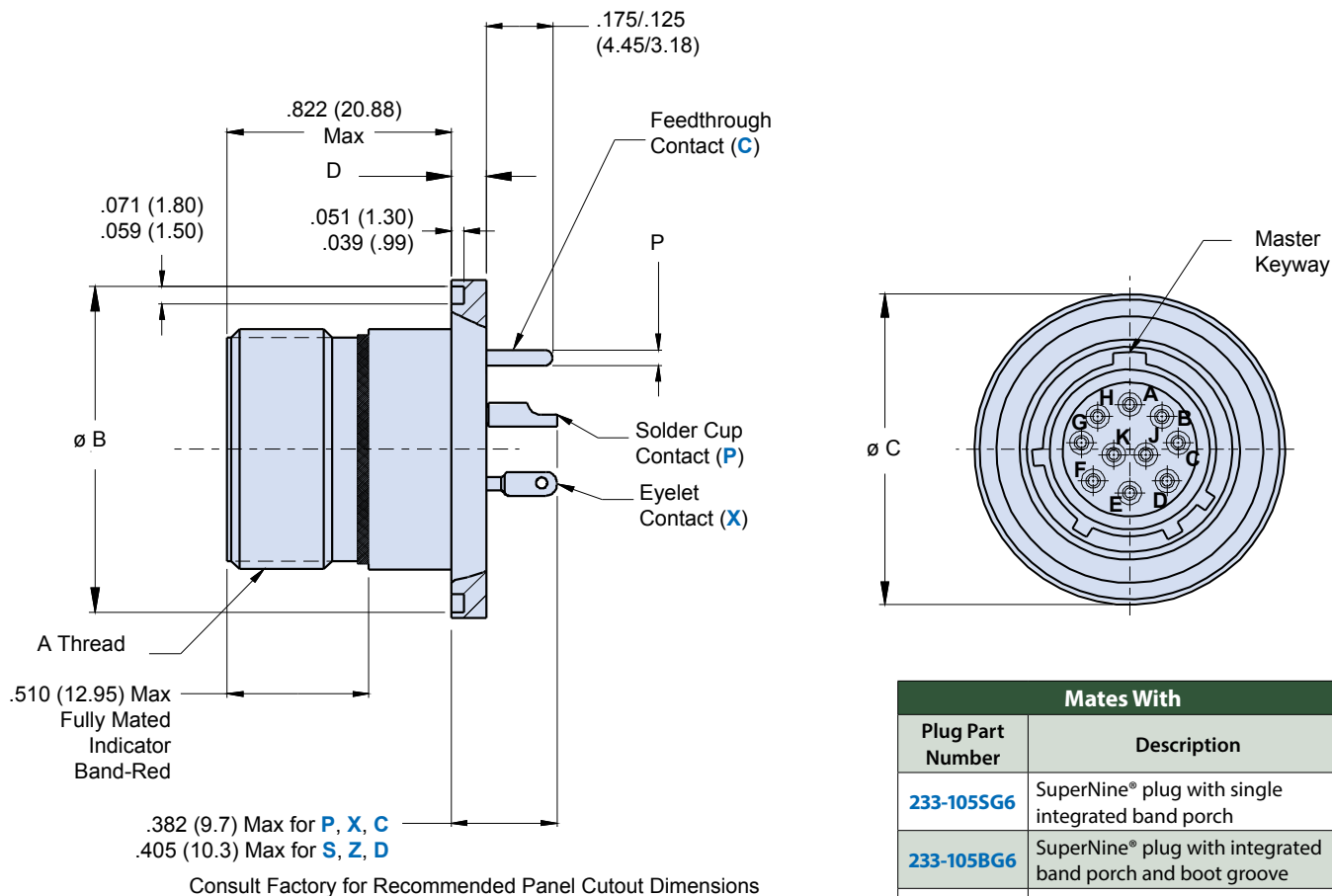


| How To Order MS                  |                                                                                                                                                                 |     |   |      |   |   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|------|---|---|
| Sample Part Number               | D38999                                                                                                                                                          | /27 | Y | B-35 | P | N |
| Series / Basic Part No.          | MIL-DTL-D38999 Series III Type                                                                                                                                  |     |   |      |   |   |
| Connector Style                  | /27 = Weld Mount                                                                                                                                                |     |   |      |   |   |
| Finish*                          | Y = CRES, Passivated<br>N = CRES, Nickel Finish                                                                                                                 |     |   |      |   |   |
| Shell Size - Insert Arrangement* | Per MIL-STD-1560                                                                                                                                                |     |   |      |   |   |
| Contact Type                     | P = Pin, Solder Cup      S = Socket, Solder Cup<br>X = Pin, Eyelet          Z = Socket, Eyelet<br>C = Pin, PCB Flex Feedthru      D = Socket, PCB Flex Feedthru |     |   |      |   |   |
| Alternate Key Position*          | A, B, C, D, E, N = Normal                                                                                                                                       |     |   |      |   |   |

**\*Refer to Section A for complete details**

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D



| Mates With       |                                                            |
|------------------|------------------------------------------------------------|
| Plug Part Number | Description                                                |
| 233-105SG6       | SuperNine® plug with single integrated band porch          |
| 233-105BG6       | SuperNine® plug with integrated band porch and boot groove |
| 233-105DG6       | SuperNine® plug with double integrated band porch          |
| 233-105-G6       | SuperNine® plug with accessory attachment threads          |

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