

QPL QUALIFIED

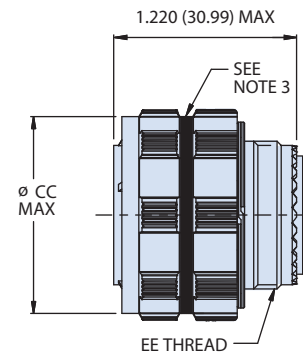
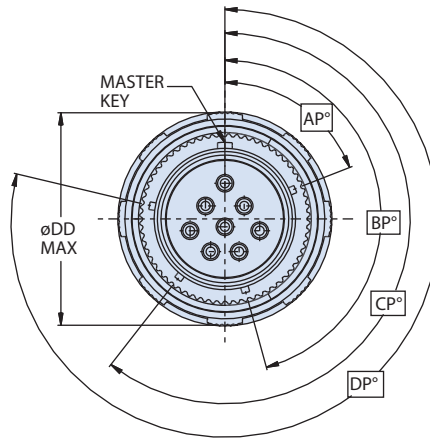
## MIL-DTL-38999 Series III, Triple-Start Thread

D38999/26 plug with crimp rear release contacts and rear accessory threads



SERIES III ENVIRONMENTAL

| QPL Part Number Development |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |   |   |    |     |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---|---|----|-----|
| Sample Part Number          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | D38999/26 | W | A | 35 | P N |
| D38999 Series III           | D38999/26 = Plug with accessory threads                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |   |   |    |     |
| Class                       | <b>W</b> = Environmental, aluminum, cadmium O.D. over electroless nickel (500 hour salt spray), -65°C to +175°C, conductive plating<br><b>F</b> = Environmental, aluminum, electroless nickel (48 hour salt spray), -65°C to +200°C, conductive plating<br><b>G</b> = Environmental, aluminum, electroless nickel (48 hour salt spray), matte finish, space grade, -65°C to +200°C, conductive plating<br><b>T</b> = Environmental, aluminum, Nickel-PTFE, -65°C to +175°C, conductive plating |           |   |   |    |     |
| Shell Size Code             | A, B, C, D, E, F, G, H and J (per MIL-STD-1560)                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |   |   |    |     |
| Insert Arrangement          | Per MIL-STD-1560; See reference information information section for details                                                                                                                                                                                                                                                                                                                                                                                                                    |           |   |   |    |     |
| Contact Type                | <b>P</b> = Pin, 500 cycles <b>A</b> = Pin insert, less standard contacts<br><b>S</b> = Socket, 500 cycles <b>B</b> = Socket insert, less standard contacts                                                                                                                                                                                                                                                                                                                                     |           |   |   |    |     |
| Alternate Polarization      | <b>N</b> (Normal), <b>A, B, C, D, E</b> see polarization position table                                                                                                                                                                                                                                                                                                                                                                                                                        |           |   |   |    |     |



| Series III Alternate Key and Keyway Polarization |            |                        |         |         |         |         |                 |                |                        |         |         |         |         |                       |                            |                        |         |         |         |         |
|--------------------------------------------------|------------|------------------------|---------|---------|---------|---------|-----------------|----------------|------------------------|---------|---------|---------|---------|-----------------------|----------------------------|------------------------|---------|---------|---------|---------|
| Shell Size Code                                  | Shell Size | Key and Keyway ID Code | AP° BSC | BP° BSC | CP° BSC | DP° BSC | Shell Size Code | Shell Size     | Key and Keyway ID Code | AP° BSC | BP° BSC | CP° BSC | DP° BSC | Shell Size Code       | Shell Size                 | Key and Keyway ID Code | AP° BSC | BP° BSC | CP° BSC | DP° BSC |
| A                                                | 9          | N                      | 105     | 140     | 215     | 265     | B<br>C<br>D     | 11<br>13<br>15 | N                      | 95      | 141     | 208     | 236     | E<br>F<br>G<br>H<br>J | 17<br>19<br>21<br>23<br>25 | N                      | 80      | 142     | 196     | 293     |
|                                                  |            | A                      | 102     | 132     | 248     | 320     |                 |                | A                      | 113     | 156     | 182     | 292     |                       |                            | A                      | 135     | 170     | 200     | 310     |
|                                                  |            | B                      | 80      | 118     | 230     | 312     |                 |                | B                      | 90      | 145     | 195     | 252     |                       |                            | B                      | 49      | 169     | 200     | 244     |
|                                                  |            | C                      | 35      | 140     | 205     | 275     |                 |                | C                      | 53      | 156     | 220     | 255     |                       |                            | C                      | 66      | 140     | 200     | 257     |
|                                                  |            | D                      | 64      | 155     | 234     | 304     |                 |                | D                      | 119     | 146     | 176     | 298     |                       |                            | D                      | 62      | 145     | 180     | 280     |
|                                                  |            | E                      | 91      | 131     | 197     | 240     |                 |                | E                      | 51      | 141     | 184     | 242     |                       |                            | E                      | 79      | 153     | 197     | 272     |

## 233-105-26 plug with crimp rear release contacts and rear accessory threads

| COTS Part Number Development |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |    |     |   |   |      |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|-----|---|---|------|
| Sample Part Number           | 233-105-26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MA | 11 | -35 | P | N | 186T |
| Series / Basic Part No.      | 233-105-26 = Plug with accessory threads                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |    |    |     |   |   |      |
| Material/Finish              | <b>NF</b> = Aluminum, cadmium O.D. over electroless nickel (500 hour salt spray), -65°C to +175°C, conductive plating<br><b>ME</b> = Aluminum, electroless nickel (48 hour salt spray), -65°C to +200°C, conductive plating<br><b>MA*</b> = Aluminum, electroless nickel (48 hour salt spray), matte finish, space grade, -65°C to +200°C, conductive plating<br><b>MT</b> = Aluminum, nickel-PTFE, -65°C to +175°C, conductive plating<br><b>ZR</b> = Aluminum, zinc nickel-black<br><b>G2</b> = Aluminum, hard, anodic, non conductive .0020 inch minimum thickness. |    |    |     |   |   |      |
| Shell Size                   | 9, 11, 13, 15, 17, 19, 21, 23, 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |    |     |   |   |      |
| Contact Arrangement          | Per MIL-STD-1560; See reference information section for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |    |     |   |   |      |
| Contact Type                 | <b>P</b> = Pin Insert <b>A</b> = Pin Gender, Less Contacts<br><b>S</b> = Socket Insert <b>B</b> = Socket Gender, Less Contacts                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |    |     |   |   |      |
| Alternate Polarization       | <b>A, B, C, D, E, N</b> (Normal), <b>U</b> (Universal)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |    |     |   |   |      |
| Optional Mod Code            | <b>LC</b> = Less contacts <b>186T</b> = Thermal vacuum outgassing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |    |     |   |   |      |

\* Connectors must be ordered with "MA" finish and modification code "-186T" to conform to the thermal vacuum outgassing requirements of Class G. Additional material/finish options are available, consult factory for ordering information.

| Dimensions      |            |               |               |                         |
|-----------------|------------|---------------|---------------|-------------------------|
| Shell Size Code | Shell Size | ØCC Max       | ØDD Max       | EE Thread 1.0-6g 0.100R |
| A               | 09         | .732 (18.60)  | .858 (21.79)  | M12                     |
| B               | 11         | .839 (21.30)  | .984 (24.99)  | M15                     |
| C               | 13         | 1.008 (25.60) | 1.157 (29.39) | M18                     |
| D               | 15         | 1.138 (28.90) | 1.280 (32.51) | M22                     |
| E               | 17         | 1.276 (32.40) | 1.406 (35.71) | M25                     |
| F               | 19         | 1.382 (35.10) | 1.516 (38.51) | M28                     |
| G               | 21         | 1.508 (38.30) | 1.642 (41.71) | M31                     |
| H               | 23         | 1.626 (41.30) | 1.768 (44.91) | M34                     |
| J               | 25         | 1.752 (44.50) | 1.890 (48.01) | M37                     |

| Additional Material/Finish Options |                                                               |
|------------------------------------|---------------------------------------------------------------|
| Finish Code                        | Description                                                   |
| ZR                                 | Aluminum, zinc nickel-black                                   |
| G2                                 | Aluminum, hard, anodic, non conductive .0020 in min thickness |

### NOTES

1. Insert arrangements per MIL-STD-1560,
2. Connector is supplied with contacts (including spares), insertion/removal tool and sealing plugs unless otherwise specified.
3. Blue color band indicates rear release retention system.