




QPL QUALIFIED AND COTS EQUIVALENT MIL-DTL-38999 Series III and IV

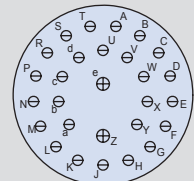
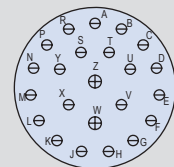
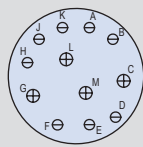
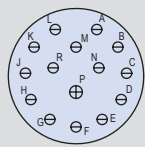


MIL-STD-1560 combo contact arrangements - pin front view For environmental and hermetic connectors

REFERENCE INFORMATION

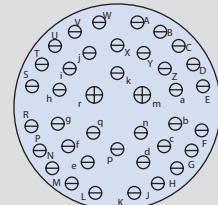
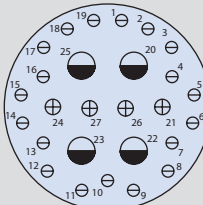
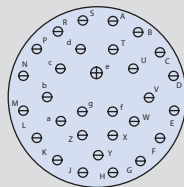
| Combo Contact Arrangements | | | | Number of Contacts | | | D38999 Sr III & IV |
|--|--|---|-----|--------------------|-----|-----|-----------------------|
| Contact Size (environmental contacts shown in pictures below) | | | #20 | #16 | #12 | | |
| Size #20 Contacts Environmental: 7.5 Amp Max. Current Hermetic: 5 Amp Max. Current #20-#24 AWG  | Size #16 Contacts Environmental 13 Amp Max. Current Hermetic: 5 Amp Max. Current #16-#20 AWG  | Size #12 Contacts Environmental 23 Amp Max. Current Hermetic: 5 Amp Max. Current #12-#14 AWG  | 14 | 1 | | D15 | |
| | | | 8 | 4 | | D97 | |
| | | | 21 | 2 | | E99 | |
| | | | 26 | 2 | | F28 | |
| | | | 29 | 1 | | F30 | |
| | | | 19 | 4 | 4 | G29 | |
| | | | 37 | 2 | | G39 | |
| | | | 48 | 8 | | J4 | |
| | | | | 12 | 12 | J24 | |
| | | | | 23 | 20 | J43 | |

Contact Legend
 #22D • #16 ⊕
 #20 ⊖ #12 ⊖



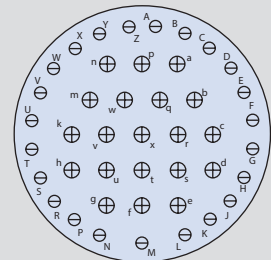
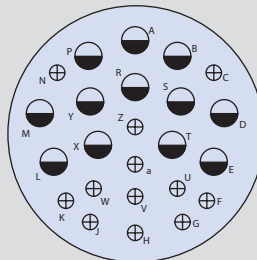
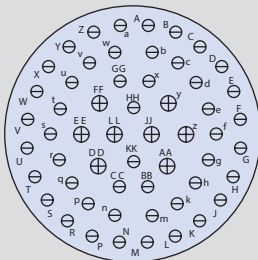
| Insert Arrangement | D15 | | D97 | | E99 | | F28 | |
|--------------------------|--------|---------|--------|--------|--------|---------|--------|---------|
| No. of Contacts and Size | 1X #16 | 14X #20 | 4X #16 | 8X #20 | 2X #16 | 21X #20 | 2X #16 | 26X #20 |
| Service Rating | I | | I | | I | | I | |

Contact Legend
 #22D • #16 ⊕
 #20 ⊖ #12 ⊖



| Insert Arrangement | F30 | | G29 | | G39 | |
|--------------------------|--------|---------|--------|--------|---------|---------|
| No. of Contacts and Size | 1X #16 | 29X #20 | 4x #12 | 4X #16 | 19X #20 | 37X #20 |
| Service Rating | I | | I | | I | |

Contact Legend
 #22D • #16 ⊕
 #20 ⊖ #12 ⊖



| Insert Arrangement | J4 | | J24 | | J43 | |
|--------------------------|--------|---------|---------|---------|---------|---------|
| No. of Contacts and Size | 8X #16 | 48X #20 | 12X #12 | 12X #16 | 20X #16 | 23X #20 |
| Service Rating | I | | I | | I | |