

MIL-DTL-38999 Series III Hermetic Connectors  
DSCC Approved QPL  
Part Number Development



MIL-DTL-38999  
Hermetic  
Connectors

**MIL-DTL-38999 SERIES III, BOX MOUNT HERMETIC RECEPTACLE**

|                                    | Basic Part Number | Mounting Style Slash Number                      | Class (Material and Finish)                | Shell Size                                         | Insert Arrangement                                           | Contact Style                                           | Polarization                                          |
|------------------------------------|-------------------|--------------------------------------------------|--------------------------------------------|----------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------|
| <b>MS NUMBER</b>                   | D38999            | /21                                              | Y - CRES/<br>Passivate<br>N - CRES/Nickel  | A - J<br>Corresponding to odd shell sizes only     | See Table I                                                  | P - Solder Cup<br>X - Eyelet<br>C - PC Tail Feedthrough | A, B, C, D, N<br>"N" is required to specify "Normal." |
| <b>Sample MS Part Number:</b>      |                   |                                                  |                                            |                                                    |                                                              |                                                         |                                                       |
|                                    | D38999            | /21                                              | Y                                          | A                                                  | 35                                                           | P                                                       | N                                                     |
| <b>GLENAIR NO.</b>                 | 233-003           | Slash Number Not Required in Glenair Part Number | Z1 - CRES/<br>Passivate<br>P - CRES/Nickel | Shell Size Designated in Insert arrangement Column | See Table I<br>Shell Size and Insert Arrangements 09 thru 25 | P - Solder Cup<br>X - Eyelet<br>C - PC Tail Feedthrough | A, B, C, D, N<br>"N" is required to specify "Normal." |
| <b>Sample Glenair Part Number:</b> |                   |                                                  |                                            |                                                    |                                                              |                                                         |                                                       |
|                                    | 233-003           |                                                  | Z1                                         |                                                    | 09 – 35                                                      | P                                                       | N                                                     |

**MIL-DTL-38999 SERIES III, JAM NUT MOUNTED HERMETIC RECEPTACLE**

|                                    | Basic Part Number | Mounting Style Slash Number                      | Class (Material and Finish)                | Shell Size                                         | Insert Arrangement                                           | Contact Style                                           | Polarization                                          |
|------------------------------------|-------------------|--------------------------------------------------|--------------------------------------------|----------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------|
| <b>MS NUMBER</b>                   | D38999            | /23                                              | Y - CRES/<br>Passivate<br>N - CRES/Nickel  | A - J<br>Corresponding to odd shell sizes only     | See Table I                                                  | P - Solder Cup<br>X - Eyelet<br>C - PC Tail Feedthrough | A, B, C, D, N<br>"N" is required to specify "Normal." |
| <b>Sample MS Part Number:</b>      |                   |                                                  |                                            |                                                    |                                                              |                                                         |                                                       |
|                                    | D38999            | /23                                              | Y                                          | A                                                  | 35                                                           | P                                                       | N                                                     |
| <b>GLENAIR NO.</b>                 | 230-003           | Slash Number Not Required in Glenair Part Number | Z1 - CRES/<br>Passivate<br>P - CRES/Nickel | Shell Size Designated in Insert arrangement Column | See Table I<br>Shell Size and Insert Arrangements 09 thru 25 | P - Solder Cup<br>X - Eyelet<br>C - PC Tail Feedthrough | A, B, C, D, N<br>"N" is required to specify "Normal." |
| <b>Sample Glenair Part Number:</b> |                   |                                                  |                                            |                                                    |                                                              |                                                         |                                                       |
|                                    | 230-003           |                                                  | Z1                                         |                                                    | 09 – 35                                                      | P                                                       | N                                                     |



# MIL-DTL-38999 Series III Hermetic Connectors

## DSCC Approved QPL

### Part Number Development

#### MIL-DTL-38999 SERIES III, SOLDER MOUNT HERMETIC RECEPTACLE

|                                    | Basic Part Number | Mounting Style Slash Number                      | Class (Material and Finish)                | Shell Size                                         | Insert Arrangement                                           | Contact Style                                           | Polarization                                          |
|------------------------------------|-------------------|--------------------------------------------------|--------------------------------------------|----------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------|
| MS NUMBER                          | D38999            | /25                                              | Y - CRES/<br>Passivate<br>N - CRES/Nickel  | A - J<br>Corresponding to odd shell sizes only     | See Table I                                                  | P - Solder Cup<br>X - Eyelet<br>C - PC Tail Feedthrough | A, B, C, D, N<br>"N" is required to specify "Normal." |
| <b>Sample MS Part Number:</b>      |                   |                                                  |                                            |                                                    |                                                              |                                                         |                                                       |
|                                    | D38999            | /25                                              | Y                                          | A                                                  | 35                                                           | P                                                       | N                                                     |
| GLENAIR NO.                        | 232-003           | Slash Number Not Required in Glenair Part Number | Z1 - CRES/<br>Passivate<br>P - CRES/Nickel | Shell Size Designated in Insert arrangement Column | See Table I<br>Shell Size and Insert Arrangements 09 thru 25 | P - Solder Cup<br>X - Eyelet<br>C - PC Tail Feedthrough | A, B, C, D, N<br>"N" is required to specify "Normal." |
| <b>Sample Glenair Part Number:</b> |                   |                                                  |                                            |                                                    |                                                              |                                                         |                                                       |
|                                    | 232-003           |                                                  | Z1                                         |                                                    | 09 – 35                                                      | P                                                       | N                                                     |

#### MIL-DTL-38999 SERIES III, WELD MOUNT HERMETIC RECEPTACLE

|                                    | Basic Part Number | Mounting Style Slash Number                      | Class (Material and Finish)                | Shell Size                                         | Insert Arrangement                                           | Contact Style                                           | Polarization                                          |
|------------------------------------|-------------------|--------------------------------------------------|--------------------------------------------|----------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------|
| MS NUMBER                          | D38999            | /27                                              | Y - CRES/<br>Passivate<br>N - CRES/Nickel  | A - J<br>Corresponding to odd shell sizes only     | See Table I                                                  | P - Solder Cup<br>X - Eyelet<br>C - PC Tail Feedthrough | A, B, C, D, N<br>"N" is required to specify "Normal." |
| <b>Sample MS Part Number:</b>      |                   |                                                  |                                            |                                                    |                                                              |                                                         |                                                       |
|                                    | D38999            | /27                                              | Y                                          | A                                                  | 35                                                           | P                                                       | N                                                     |
| GLENAIR NO.                        | 234-003           | Slash Number Not Required in Glenair Part Number | Z1 - CRES/<br>Passivate<br>P - CRES/Nickel | Shell Size Designated in Insert arrangement Column | See Table I<br>Shell Size and Insert Arrangements 09 thru 25 | P - Solder Cup<br>X - Eyelet<br>C - PC Tail Feedthrough | A, B, C, D, N<br>"N" is required to specify "Normal." |
| <b>Sample Glenair Part Number:</b> |                   |                                                  |                                            |                                                    |                                                              |                                                         |                                                       |
|                                    | 234-003           |                                                  | Z1                                         |                                                    | 09 – 35                                                      | P                                                       | N                                                     |

**MIL-DTL-38999 Series I, II, and III Hermetic Connectors**  
**DSCC Approved QPL**  
**Shell Size and Insert Arrangements**



MIL-DTL-38999  
Hermetic  
Connectors

**Table I: MIL-DTL-38999 Series I, II, and III Shell Size and Insert Arrangements**

| Shell Size and Insert Arrangements |              |                   |               |                        | Number of Pins |    |    |    |
|------------------------------------|--------------|-------------------|---------------|------------------------|----------------|----|----|----|
| MS Series I                        | MS Series II | Glenair Series II | MS Series III | Glenair Series I & III | 22D            | 20 | 16 | 12 |
| 9-98                               | 8-98         | 08-98             | A98           | 09-98                  |                | 3  |    |    |
| 9-35                               | 8-35         | 08-35             | A35           | 09-35                  | 6              |    |    |    |
| 11-4                               | 10-4*        | 10-4              | B4            | 11-4                   |                | 4  |    |    |
| 11-5                               | 10-5         | 10-5              | B5            | 11-5                   |                | 5  |    |    |
| 11-98                              | 10-98        | 10-98             | B98           | 11-98                  |                | 6  |    |    |
| 11-99                              | 10-99        | 10-99             | B99           | 11-99                  |                | 7  |    |    |
| 11-35                              | 10-35        | 12-35             | B35           | 11-35                  | 13             |    |    |    |
| 11-2                               | 10-2*        | 12-2              | B2            | 11-2                   |                |    | 2  |    |
| 13-4                               | 12-4         | 12-4              | C4            | 13-4                   |                |    | 4  |    |
| 13-8                               | 12-8         | 12-8              | C8            | 13-8                   |                | 8  |    |    |
| 13-98                              | 12-98        | 12-98             | C98           | 13-98                  |                | 10 |    |    |
| 13-35                              | 12-35        | 12-35             | C35           | 13-35                  | 22             |    |    |    |
| 15-5                               | 14-5         | 14-5              | D5            | 15-5                   |                |    | 5  |    |
| 15-15                              | 14-15        | 14-15             | D15           | 15-15                  |                | 14 | 1  |    |
| 15-18                              | 14-18        | 15-18             | D18           | 15-18                  |                | 18 |    |    |
| 15-19                              | 14-19*       | 14-19             | D19           | 15-19                  |                | 19 |    |    |
| 15-97                              | 14-97        | 14-97             | D97           | 15-97                  |                | 8  | 4  |    |
| 15-35                              | 14-35        | 14-35             | D35           | 15-35                  | 37             |    |    |    |
| 17-6                               | 16-6         | 16-6              | E6            | 17-6                   |                |    |    | 6  |
| 17-8                               | 16-8         | 16-8              | E8            | 17-8                   |                |    | 8  |    |
| 17-26                              | 16-26        | 16-26             | E26           | 17-26                  |                | 26 |    |    |
| 17-99                              | 16-99        | 16-99             | E99           | 17-99                  |                | 21 | 2  |    |
| 17-35                              | 16-35        | 16-35             | E35           | 17-35                  | 55             |    |    |    |
| 19-11                              | 18-11        | 18-11             | F11           | 19-11                  |                |    | 11 |    |
| 19-28                              | 18-28        | 18-28             | F28           | 19-28                  |                | 26 | 2  |    |
| 19-30                              | 18-30        | 18-30             | F30           | 19-30                  |                | 29 | 1  |    |
| 19-32                              | 18-32        | 18-32             | F32           | 19-32                  |                | 32 |    |    |
| 19-35                              | 18-35        | 18-35             | F35           | 19-35                  | 66             |    |    |    |
| 19-45                              | 18-45        | 18-45             | F45           | 19-45                  | 67             |    |    |    |
| 21-11                              | 20-11*       | 20-11             | G11           | 21-11                  |                |    |    | 11 |
| 21-16                              | 20-16        | 20-16             | G16           | 21-16                  |                |    | 16 |    |
| 21-24                              | 20-24        | 20-24             | G24           | 21-24                  |                | 24 |    |    |
| 21-25                              | 20-25        | 20-25             | G25           | 21-25                  |                | 25 |    |    |
| 21-27                              | 20-27        | 20-27             | G27           | 21-27                  |                | 27 |    |    |
| 21-41                              | 20-41        | 20-41             | G41           | 21-41                  |                | 41 |    |    |
| 21-39                              | 20-39        | 20-39             | G39           | 21-39                  |                | 37 | 2  |    |
| 21-35                              | 20-35        | 20-35             | G35           | 21-35                  | 79             |    |    |    |
| 23-35                              | 22-35        | 22-35             | H35           | 23-35                  | 100            |    |    |    |
| 23-21                              | 22-21        | 22-21             | H21           | 23-21                  |                |    | 21 |    |
| 23-32                              | 22-32        | 22-32             | H32           | 23-32                  |                | 32 |    |    |
| 23-34                              | 22-34        | 22-34             | H34           | 23-34                  |                | 34 |    |    |
| 23-36                              | 22-36        | 22-36             | H36           | 23-36                  |                | 36 |    |    |
| 23-53                              | 22-53        | 22-53             | H53           | 23-53                  |                | 53 |    |    |
| 23-97                              | 22-97        | 22-97             | H97           | 23-97                  |                |    | 16 |    |
| 23-99                              | 22-99        | 22-99             | H99           | 23-99                  |                |    | 11 |    |
| 23-55                              | 22-55        | 22-55             | H55           | 23-55                  |                | 55 |    |    |
| 25-35                              | 24-35        | 24-35             | J35           | 25-35                  | 128            |    |    |    |
| 25-29                              | 24-29        | 24-29             | J29           | 25-29                  |                |    | 29 |    |
| 25-61                              | 24-61        | 24-61             | J61           | 25-61                  |                | 61 |    |    |
| 25-4                               | 24-4         | 24-4              | J4            | 25-4                   |                | 48 | 8  |    |
| 25-43                              | 24-43*       | 24-43             | J43           | 25-43                  |                | 23 | 20 |    |
| 25-19                              | 24-19        | 24-19             | J19           | 25-19                  |                |    |    | 19 |
| 25-24                              | 24-24        | 24-24             | J24           | 25-24                  |                |    | 12 | 12 |

\* These Insert Arrangements are Available but are Not Covered by MIL-STD-1560A

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