



# Sav-Con® connector savers

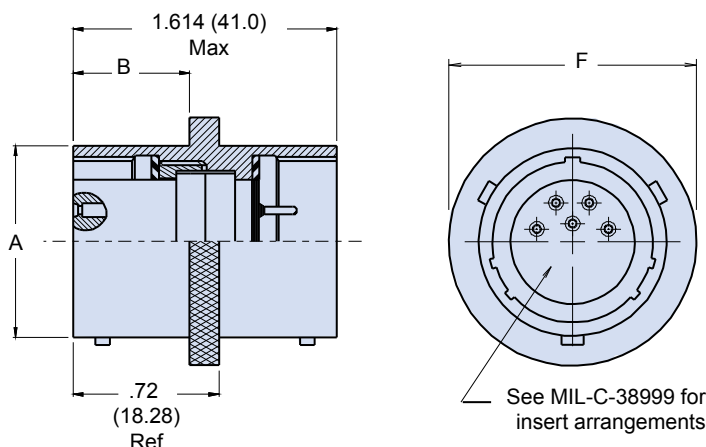


## MIL-DTL-38999 Series I

### GC443 In-Line Bayonet Coupling Gender Changer

| HOW TO ORDER           |                                            |    |    |       |   |
|------------------------|--------------------------------------------|----|----|-------|---|
| Sample Part Number     | GC443                                      | -A | NF | 21-35 | B |
| Series                 | GC443                                      |    |    |       |   |
| Style                  | A - In-line      B - Flange Mount          |    |    |       |   |
| Finish                 | See Table I                                |    |    |       |   |
| Shell Size             | See Table II                               |    |    |       |   |
| Alternate Key Position | A, B, C, D, Omit for Normal; See Table III |    |    |       |   |

#### Style A In-Line



| Dimensions |             |            |                         |             |                  |             |
|------------|-------------|------------|-------------------------|-------------|------------------|-------------|
| Shell Size | A Dia Max   | B          | C +.010-.005 (+0.3-0.1) | D Dim       | E Dim ±.020(0.5) | F Dia Max   |
| 09         | .573(14.6)  | .632(16.1) | .128(3.3)               | .719(18.3)  | .938(23.8)       | .859(21.8)  |
| 11         | .701(17.8)  | .632(16.1) | .128(3.3)               | .812(20.6)  | 1.031(26.2)      | .984(25.0)  |
| 13         | .851(21.6)  | .632(16.1) | .128(3.3)               | .906(23.0)  | 1.125(28.6)      | 1.156(29.4) |
| 15         | .976(24.8)  | .632(16.1) | .128(3.3)               | .969(24.6)  | 1.219(31.0)      | 1.281(32.5) |
| 17         | 1.101(28.0) | .632(16.1) | .128(3.3)               | 1.062(27.0) | 1.312(33.3)      | 1.406(35.7) |
| 19         | 1.208(30.7) | .632(16.1) | .128(3.3)               | 1.156(29.4) | 1.438(36.5)      | 1.516(38.5) |
| 21         | 1.333(33.9) | .602(15.3) | .147(3.7)               | 1.250(31.8) | 1.562(39.7)      | 1.641(41.7) |
| 23         | 1.458(37.0) | .602(15.3) | .147(3.7)               | 1.375(34.9) | 1.688(42.9)      | 1.766(44.9) |
| 25         | 1.583(40.2) | .602(15.3) | .147(3.7)               | 1.500(38.1) | 1.812(46.0)      | 1.891(48.0) |

#### MATERIAL/FINISH:

- Shell assembly—Al alloy/see 38999 Reference Information section Table I
- Bayonet pins—CRES/passivate
- Contacts—copper alloy/gold plate
- Insulators—high-grade rigid dielectric/N.A.
- Interfacial & peripheral seals—silicone/ N.A.



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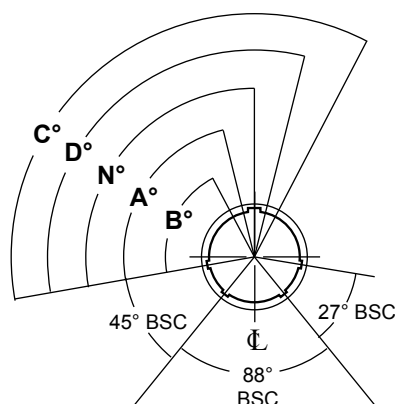
### Reference Information



| Table I: Material and Finish |          |                                                       |
|------------------------------|----------|-------------------------------------------------------|
| Plating Code                 | Material | Finish                                                |
| M                            | Aluminum | Electroless Nickel                                    |
| B                            |          | Cad Plate, Olive Drab                                 |
| NF                           |          | Cadmium Plate Olive Drab over Electroless Nickel      |
| NC                           |          | Zinc-Cobalt                                           |
| ZN                           |          | Olive Drab Zinc-Nickel                                |
| MT                           |          | Ni-PTFE 1000 Hour Grey™ (Nickel Fluorocarbon Polymer) |
| ZR                           |          | Zinc Nickel, Black                                    |
| ME                           |          | Electroless Nickel (RoHS)                             |

| Table II: Shell Size-Insert Arrangement |                      |                      |    |    |    |
|-----------------------------------------|----------------------|----------------------|----|----|----|
| Shell Size Desig.                       | Insert Arr. Dash No. | Contact Size and Qty |    |    |    |
|                                         |                      | 22                   | 20 | 16 | 12 |
| 9                                       | 9-3                  |                      | 3  |    |    |
|                                         | 9-44                 | 4                    |    |    |    |
|                                         | 9-35                 | 6                    |    |    |    |
|                                         | 9-98                 |                      | 3  |    |    |
| 11                                      | 11-2                 |                      |    | 2  |    |
|                                         | 11-4                 |                      | 4  |    |    |
|                                         | 11-5                 |                      | 5  |    |    |
|                                         | 11-6                 |                      | 6  |    |    |
|                                         | 11-35                | 13                   |    |    |    |
|                                         | 11-98                |                      | 6  |    |    |
|                                         | 11-99                |                      | 7  |    |    |
|                                         | 13-4                 |                      |    | 4  |    |
| 13                                      | 13-8                 |                      | 8  |    |    |
|                                         | 13-35                | 22                   |    |    |    |
|                                         | 13-98                |                      | 10 |    |    |
|                                         | 15-5                 |                      |    | 5  |    |
| 15                                      | 15-15                |                      | 14 | 1  |    |
|                                         | 15-18                |                      | 18 |    |    |
|                                         | 15-19                |                      | 19 |    |    |
|                                         | 15-35                | 37                   |    |    |    |
|                                         | 15-97                |                      | 8  | 4  |    |
|                                         | 17-6                 |                      |    |    | 6  |
| 17                                      | 17-8                 |                      |    | 8  |    |
|                                         | 17-26                |                      | 26 |    |    |
|                                         | 17-35                | 55                   |    |    |    |
|                                         | 17-99                |                      | 21 | 2  |    |
|                                         | 19-11                |                      |    | 11 |    |
| 19                                      | 19-28                |                      | 26 | 2  |    |
|                                         | 19-30                |                      | 29 | 1  |    |
|                                         | 19-32                |                      | 32 |    |    |
|                                         | 19-35                | 66                   |    |    |    |
|                                         | 19-45                | 67                   |    |    |    |

| Table II: Shell Size-Insert Arrangement |                      |                      |    |    |    |
|-----------------------------------------|----------------------|----------------------|----|----|----|
| Shell Size Desig.                       | Insert Arr. Dash No. | Contact Size and Qty |    |    |    |
|                                         |                      | 22                   | 20 | 16 | 12 |
| 21                                      | 21-35                | 79                   |    |    |    |
|                                         | 21-11                |                      |    |    | 11 |
|                                         | 21-16                |                      |    | 16 |    |
|                                         | 21-24                |                      | 24 |    |    |
|                                         | 21-25                |                      | 25 |    |    |
|                                         | 21-27                |                      | 27 |    |    |
|                                         | 21-39                |                      | 37 | 2  |    |
|                                         | 21-41                |                      | 41 |    |    |
| 23                                      | 23-35                | 100                  |    |    |    |
|                                         | 23-2                 | 85                   |    |    |    |
|                                         | 23-21                |                      |    | 21 |    |
|                                         | 23-32                |                      | 32 |    |    |
|                                         | 23-34                |                      | 34 |    |    |
|                                         | 23-36                |                      | 36 |    |    |
|                                         | 23-53                |                      | 53 |    |    |
|                                         | 23-55                |                      | 55 |    |    |
|                                         | 23-97                |                      |    | 16 |    |
|                                         | 23-99                |                      |    | 11 |    |
| 25                                      | 25-2                 | 100                  |    |    |    |
|                                         | 25-4                 |                      | 48 | 8  |    |
|                                         | 25-19                |                      |    |    | 19 |
|                                         | 25-24                |                      |    | 12 | 12 |
|                                         | 25-29                |                      |    | 29 |    |
|                                         | 25-35                | 128                  |    |    |    |
|                                         | 25-43                |                      | 23 | 20 |    |
|                                         | 25-61                |                      | 61 |    |    |



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RECEPTACLE

| Table III: Alternate Keyway Positions |    |    |    |     |     |
|---------------------------------------|----|----|----|-----|-----|
| Shell Size Desig.                     | N° | A° | B° | C°  | D°  |
| 9                                     | 95 | 77 | -  | -   | 113 |
| 11                                    | 95 | 81 | 67 | 123 | 109 |
| 13                                    | 95 | 75 | 63 | 127 | 115 |
| 15                                    | 95 | 74 | 61 | 129 | 116 |
| 17                                    | 95 | 77 | 65 | 125 | 113 |
| 19                                    | 95 | 77 | 65 | 125 | 113 |
| 21                                    | 95 | 77 | 65 | 125 | 113 |
| 23                                    | 95 | 80 | 69 | 121 | 110 |
| 25                                    | 95 | 69 | 69 | 121 | 110 |