



# Sav-Con® connector savers

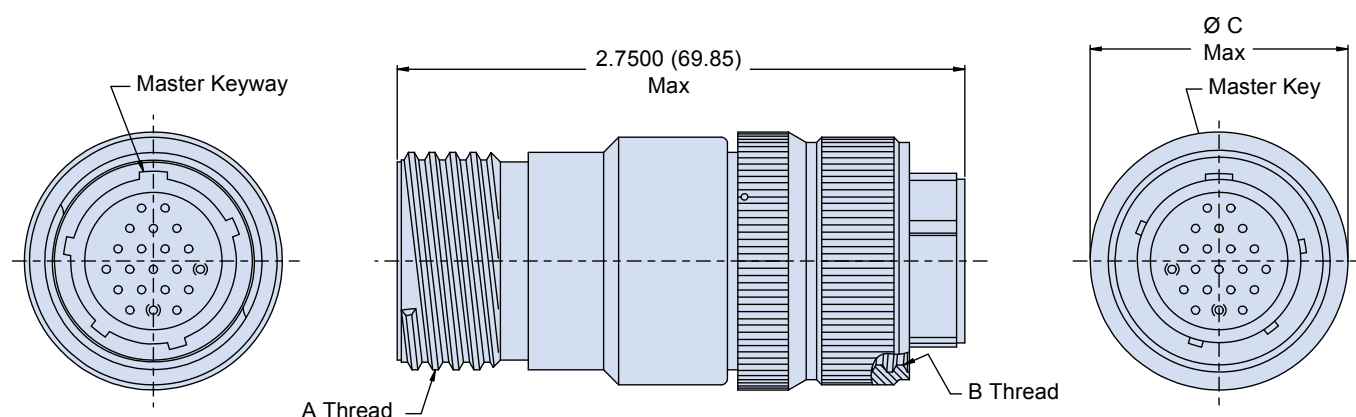
## MIL-DTL-28840

### 240-288A Threaded Coupling



#### 240-288A FILTER CONNECTOR ADAPTER WITH THREADED COUPLING

| How To Order           |                                              |   |    |      |    |   |   |   |   |
|------------------------|----------------------------------------------|---|----|------|----|---|---|---|---|
| Sample Part Number     | 240-288                                      | A | ME | 19-1 | PS | P | A | N | 1 |
| Filter Connector       | 240-288                                      |   |    |      |    |   |   |   |   |
| Shell Style            | A = Connector Adapter                        |   |    |      |    |   |   |   |   |
| Connector Class        | See Table I                                  |   |    |      |    |   |   |   |   |
| Insert Arrangement     | See Table II                                 |   |    |      |    |   |   |   |   |
| Contact Gender         | PS = Pins, Plug Side SP = Sockets, Plug Side |   |    |      |    |   |   |   |   |
| Filter Type            | P = Pi Circuit C = C Circuit (See Note 1)    |   |    |      |    |   |   |   |   |
| Capacitance            | See Table IV                                 |   |    |      |    |   |   |   |   |
| Flange Mounting Style  | N = Not Applicable                           |   |    |      |    |   |   |   |   |
| Alternate Key Position | 1, 2, 3, 4, 5, 6 (See page B-107)            |   |    |      |    |   |   |   |   |



| Dimensions |                   |                   |               |
|------------|-------------------|-------------------|---------------|
| Shell Size | A Thread Class 2A | B Thread Class 2B | Ø C Max       |
| 11         | .750-.1P-.2L-DS   | .750-.1P-.2L-DS   | 1.028 (26.11) |
| 13         | .875-.1P-.2L-DS   | .875-.1P-.2L-DS   | 1.141 (28.98) |
| 15         | 1.062-.1P-.2L-DS  | 1.062-.1P-.2L-DS  | 1.263 (32.08) |
| 17         | 1.125-.1P-.2L-DS  | 1.125-.1P-.2L-DS  | 1.387 (35.23) |
| 19         | 1.312-.1P-.2L-DS  | 1.312-.1P-.2L-DS  | 1.513 (38.43) |
| 23         | 1.500-.1P-.2L-DS  | 1.500-.1P-.2L-DS  | 1.703 (43.26) |
| 25         | 1.625-.1P-.2L-DS  | 1.625-.1P-.2L-DS  | 1.825 (46.36) |
| 29         | 1.812-.1P-.2L-DS  | 1.812-.1P-.2L-DS  | 2.143 (54.43) |
| 33         | 2.000-.1P-.2L-DS  | 2.000-.1P-.2L-DS  | 2.329 (59.16) |

#### NOTES

1. Other filter styles (C-L, L-C, Unbalanced Pi, Multi-Stage, Multi-Value) are available, please consult the factory.
2. Please consult the factory for Pin/Pin and/or Socket/Socket contact arrangements.



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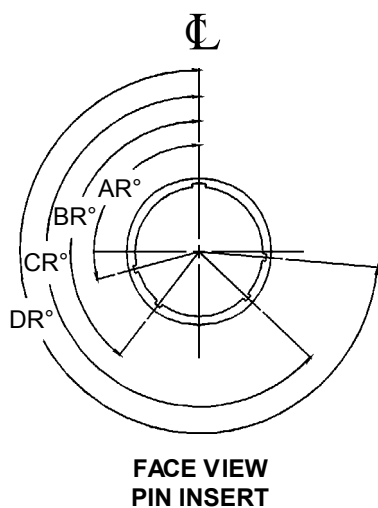
## MIL-DTL-28840

### 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)                             |
| ZL                           | Stainless Steel | Electro-Deposited Nickel                              |

| Table II: Shell Size and Insert Arrangements |                |                             |                           |
|----------------------------------------------|----------------|-----------------------------|---------------------------|
| Shell Size Desig.                            | Shell Size Ref | Insert Arrangement Dash No. | Contact Size 20: Quantity |
| A                                            | 11             | A-1                         | 7                         |
| B                                            | 13             | B-1                         | 12                        |
| C                                            | 15             | C-1                         | 21                        |
| D                                            | 17             | D-1                         | 31                        |
| E                                            | 19             | E-1                         | 42                        |
| F                                            | 23             | F-1                         | 64                        |
| G                                            | 25             | G-1                         | 92                        |
| H                                            | 29             | H-1                         | 121                       |
| J                                            | 33             | J-1                         | 155                       |



| Table III: Alternate Keyway Positions |                            |                     |     |     |     |     |
|---------------------------------------|----------------------------|---------------------|-----|-----|-----|-----|
| Shell Size Desig.                     | Shell Size Ref             | Key and Keyway Arr. | AR° | BR° | CR° | DR° |
| A<br>B                                | 11<br>13                   | 1                   | 95  | 141 | 208 | 236 |
|                                       |                            | 2                   | 113 | 156 | 182 | 292 |
|                                       |                            | 3                   | 90  | 145 | 195 | 252 |
|                                       |                            | 4                   | 53  | 156 | 220 | 255 |
|                                       |                            | 5                   | 119 | 146 | 176 | 298 |
|                                       |                            | 6                   | 51  | 141 | 184 | 242 |
| C<br>D                                | 15<br>17                   | 1                   | 80  | 142 | 196 | 293 |
|                                       |                            | 2                   | 135 | 170 | 200 | 310 |
|                                       |                            | 3                   | 49  | 169 | 200 | 244 |
|                                       |                            | 4                   | 66  | 140 | 200 | 257 |
|                                       |                            | 5                   | 62  | 145 | 180 | 280 |
|                                       |                            | 6                   | 79  | 153 | 197 | 272 |
| E<br>F<br>G<br>H<br>J                 | 19<br>23<br>25<br>29<br>33 | 1                   | 80  | 142 | 196 | 293 |
|                                       |                            | 2                   | 135 | 170 | 200 | 310 |
|                                       |                            | 3                   | 49  | 169 | 200 | 244 |
|                                       |                            | 4                   | 66  | 140 | 200 | 257 |
|                                       |                            | 5                   | 62  | 145 | 180 | 280 |
|                                       |                            | 6                   | 79  | 153 | 197 | 272 |

| Table IV: Capacitor Array Code Capacitance Range for Filtered Connectors |                   |                  |
|--------------------------------------------------------------------------|-------------------|------------------|
| Class                                                                    | Pi - Circuit (pF) | C - Circuit (pF) |
| X*                                                                       | 160,000 - 240,000 | 80,000 - 120,000 |
| Y*                                                                       | 80,000 - 120,000  | 40,000 - 60,000  |
| Z*                                                                       | 60,000 - 90,000   | 30,000 - 45,000  |
| A                                                                        | 38,000 - 56,000   | 19,000 - 28,000  |
| B                                                                        | 32,000 - 45,000   | 16,000 - 22,500  |
| C                                                                        | 18,000 - 33,000   | 9,000 - 16,500   |
| D                                                                        | 8,000 - 12,000    | 4,000 - 6,000    |
| E                                                                        | 3,300 - 5,000     | 1,650 - 2,500    |
| F                                                                        | 800 - 1,300       | 400 - 650        |
| G                                                                        | 400 - 600         | 200 - 300        |
| J                                                                        | 70-120            | 35-60            |

\* Filter Classes X, Y and Z are 250 VDC.  
All others are 500 VDC