

# MIL-C 26482G Series II



## Applications

For all general purposes in military applications

## Standards

MIL-C 26482 Series II  
QPL approved



## Description

- Standard version
- Aluminum alloy  
olive green, nickel or, black, anodized plating
- Bayonet coupling
- RFI shielding plug
- Gold plating crimp contacts # 20, 16, and # 12
- # 16 and # 12 minicoaxial or thermocouple contacts
- Hermetic version available
- Light weight backshells

## Characteristics

### Mechanical

- Endurance : 500 operations
- Plug MS 3475 : 250 operations
- Plug MS 3476 : 500 operations
- Shock : 300 g - 3 ms in three axes
- Vibration : MIL STD 202, method 214, test condition II, letter J (50 - 2000Hz; 41,7 g eff.)
- Contact retention in insert :
  - size 20 : 90 N
  - size 16 : 111 N
  - size 12 : 133 N

### Electrical

- Max. current rating per contact

|         | environmental class | hermetic class |
|---------|---------------------|----------------|
| size 20 | 7,5 A               | 5 A            |
| size 16 | 13 A                | 10 A           |
| size 12 | 23 A                | 17 A           |

- Contact resistance

|         | environmental class         | hermetic class             |
|---------|-----------------------------|----------------------------|
| size 20 | $\leq 1 \text{ m}\Omega$    | $\leq 7 \text{ m}\Omega$   |
| size 16 | $\leq 0,55 \text{ m}\Omega$ | $\leq 3,8 \text{ m}\Omega$ |
| size 12 | $\leq 0,35 \text{ m}\Omega$ | $\leq 2,4 \text{ m}\Omega$ |

- Insulation resistance :  
 $\geq 5000 \text{ M}\Omega$  at 500 Vdc
- Dielectric withstanding voltage

| Service         | I         | II        |
|-----------------|-----------|-----------|
| at ground level | 1500 Vrms | 2300 Vrms |
| at 21000 m      | 375 Vrms  | 550 Vrms  |

- Shell continuity with plug MS 3475,  
environmental receptacle  $\leq 5 \text{ m}\Omega$ ,  
hermetic receptacle  $\leq 50 \text{ m}\Omega$

### Climatical

- Operating temperature :
  - 55°C to + 200°C (class L)
  - 55°C to + 175°C (classes W and H)
- Damp heat : MIL STD 1344  
method 1002 - Type II
- Salt spray :  
class W : 500 hr  
class L : 48 hr
- Leakage :
  - environmental version :**
    - when mated under a differential pressure of 1,03 bar. air leakage is  $\leq 3,6 \text{ mm}^3/\text{h}$
    - low pressure immersion : 33 mbar
  - hermetic version :**
    - differential pressure of 1 bar air/helium, leakage is  $\leq 2,8 \text{ mm}^3/\text{h}$

### Resistance to fluids

MIL-L 7808  
MIL-L 23699  
MIL-H 5606  
Hydraulic fluids M 2 V  
MIL-C 25769 diluted  
MIL-A 8243  
MIL-T 5624 (JP5)  
MIL-G 3056  
Solvents

## Ordering information environmental connectors

|                   |                                                                                                         |      |   |    |    |   |   |
|-------------------|---------------------------------------------------------------------------------------------------------|------|---|----|----|---|---|
| basic series      | MS                                                                                                      | 3470 | W | •• | •• | P | • |
| shell type        | 3470 - square flange receptacle<br>3474 - jam nut receptacle<br>3475 - RFI shielded plug<br>3476 - plug |      |   |    |    |   |   |
| class and plating | W - olive green cadmium<br>L - nickel                                                                   |      |   |    |    |   |   |
| shell size        | 8-10-12-14-16-18-20-22-24                                                                               |      |   |    |    |   |   |
| contact layout    | - see table p 65                                                                                        |      |   |    |    |   |   |
| contact type      | P - male contact<br>S - female contact<br>A - less male contact<br>B - less female contact              |      |   |    |    |   |   |
| polarization      | N - normal ( not included in part number)<br>W, X, Y and Z - see table p 66                             |      |   |    |    |   |   |

# MIL-C 26482G Series II



## Hermetic connectors

|                        |                                                                                                 |      |   |    |   |    |   |   |
|------------------------|-------------------------------------------------------------------------------------------------|------|---|----|---|----|---|---|
| basic series           | MS                                                                                              | 3440 | H | •• | C | •• | P | • |
| shell type             | 3440 - square flange receptacle<br>3443 - solder fixing receptacle<br>3449 - jam nut receptacle |      |   |    |   |    |   |   |
| class                  | H - hermetic                                                                                    |      |   |    |   |    |   |   |
| shell size             | 8-10-12-14-16-18-20-22-24                                                                       |      |   |    |   |    |   |   |
| materials and terminal | C - steel, solder bucket                                                                        |      |   |    |   |    |   |   |
| contact layout         | see table p 65                                                                                  |      |   |    |   |    |   |   |
| contact type           | male only                                                                                       |      |   |    |   |    |   |   |
| polarization           | N - normal (not included in part number)<br>W, X, Y and Z - see table p 66                      |      |   |    |   |    |   |   |

## Backshells

| Backshell type                             | Plating |   |   | MIL-C 26482G<br>Series II             | SOURIAU                             |
|--------------------------------------------|---------|---|---|---------------------------------------|-------------------------------------|
|                                            | A       | W | N |                                       |                                     |
| Backnut                                    | •       | • | • | M85049-31-••A<br>M85049-31-••W<br>-   | 852-31A••<br>852-31W••<br>852-31N•• |
| Straight cable clamp                       | •       | • | • | M85049-52-1••A<br>M85049-52-1••W<br>- | 852-52A••<br>852-52W••<br>852-52N•• |
| Elbow cable clamp                          | •       | • | • | M85049-51-1••A<br>M85049-51-1••W<br>- | 852-51A••<br>852-51W••<br>852-51N•• |
| Straight backshell for heatshrink sleeving | •       | • | • | M85049-60-1A••<br>M85049-60-1W••<br>- | 852-60A••<br>852-60W••<br>852-60N•• |
| Backnut for heatshrink sleeving            | •       | • | • | -<br>-<br>-                           | 852-57A••<br>852-57W••<br>852-57N•• |

A - black anodized

W - olive green cadmium

N - nickel

Example : M85049-31-8A  
852-31A08  
└─ shell size

## Cross reference list

### Part number cross reference list SOURIAU and MIL-C 26482G Series II

| MIL-C 26482G Series II                  | SOURIAU                                  | Designation                                   |
|-----------------------------------------|------------------------------------------|-----------------------------------------------|
| MS3470 W•••• P <input type="checkbox"/> | 8526-0W•••• P <input type="checkbox"/>   | square flange receptacle with male contacts   |
| MS3470 W•••• A <input type="checkbox"/> | 8526-0W•••• P <input type="checkbox"/> L | square flange receptacle less male contacts   |
| MS3470 W•••• S <input type="checkbox"/> | 8526-0W•••• S <input type="checkbox"/>   | square flange receptacle with female contacts |
| MS3470 W•••• B <input type="checkbox"/> | 8526-0W•••• S <input type="checkbox"/> L | square flange receptacle less female contacts |
| MS3474 W•••• P <input type="checkbox"/> | 8526-7W•••• P <input type="checkbox"/>   | jam nut receptacle with male contacts         |
| MS3474 W•••• A <input type="checkbox"/> | 8526-7W•••• P <input type="checkbox"/> L | jam nut receptacle less male contacts         |
| MS3474 W•••• S <input type="checkbox"/> | 8526-7W•••• S <input type="checkbox"/>   | jam nut receptacle with female contacts       |
| MS3474 W•••• B <input type="checkbox"/> | 8526-7W•••• S <input type="checkbox"/> L | jam nut receptacle less female contacts       |
| MS3475 W•••• P <input type="checkbox"/> | 8526-5W•••• P <input type="checkbox"/>   | BFI shielded plug with male contacts          |



# MIL-C 26482G Series II

| MIL-C 26482G Series II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FCI Souriau                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Designation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MS3475 W •••• A <input type="checkbox"/><br>MS3475 W •••• S <input type="checkbox"/><br>MS3475 W •••• B <input type="checkbox"/><br>MS3476 W •••• P <input type="checkbox"/><br>MS3476 W •••• A <input type="checkbox"/><br>MS3476 W •••• S <input type="checkbox"/><br>MS3476 W •••• B <input type="checkbox"/><br>MS3470 L •••• P <input type="checkbox"/><br>MS3470 L •••• A <input type="checkbox"/><br>MS3470 L •••• S <input type="checkbox"/><br>MS3470 L •••• B <input type="checkbox"/><br>MS3474 L •••• P <input type="checkbox"/><br>MS3474 L •••• A <input type="checkbox"/><br>MS3474 L •••• S <input type="checkbox"/><br>MS3474 L •••• B <input type="checkbox"/><br>MS3475 L •••• P <input type="checkbox"/><br>MS3475 L •••• A <input type="checkbox"/><br>MS3475 L •••• S <input type="checkbox"/><br>MS3475 L •••• B <input type="checkbox"/><br>MS3476 L •••• P <input type="checkbox"/><br>MS3476 L •••• A <input type="checkbox"/><br>MS3476 L •••• S <input type="checkbox"/><br>MS3476 L •••• B <input type="checkbox"/> | 8526-5W •••• P <input type="checkbox"/> L<br>8526-5W •••• S <input type="checkbox"/><br>8526-5W •••• S <input type="checkbox"/> L<br>8526-6W •••• P <input type="checkbox"/><br>8526-6W •••• P <input type="checkbox"/> L<br>8526-6W •••• S <input type="checkbox"/><br>8526-6W •••• S <input type="checkbox"/> L<br>8526-0L •••• P <input type="checkbox"/><br>8526-0L •••• P <input type="checkbox"/> L<br>8526-0L •••• S <input type="checkbox"/><br>8526-0L •••• S <input type="checkbox"/> L<br>8526-7L •••• P <input type="checkbox"/><br>8526-7L •••• P <input type="checkbox"/> L<br>8526-7L •••• S <input type="checkbox"/><br>8526-7L •••• S <input type="checkbox"/> L<br>8526-5L •••• P <input type="checkbox"/><br>8526-5L •••• P <input type="checkbox"/> L<br>8526-5L •••• S <input type="checkbox"/><br>8526-5L •••• S <input type="checkbox"/> L<br>8526-6L •••• P <input type="checkbox"/><br>8526-6L •••• P <input type="checkbox"/> L<br>8526-6L •••• S <input type="checkbox"/><br>8526-6L •••• S <input type="checkbox"/> L | RFI shielded plug less male contacts<br>RFI shielded plug with female contacts<br>RFI shielded plug less female contacts<br>plug with male contact<br>plug less male contact<br>plug with female contact<br>plug less female contact<br>square flange receptacle with male contacts<br>square flange receptacle less male contacts<br>square flange receptacle with female contacts<br>square flange receptacle less female contacts<br>jam nut receptacle with male contacts<br>jam nut receptacle less male contacts<br>jam nut receptacle with female contacts<br>jam nut receptacle less female contacts<br>RFI shielded plug with male contacts<br>RFI shielded plug less male contacts<br>RFI shielded plug with female contacts<br>RFI shielded plug less male contacts<br>plug with male contact<br>plug less male contact<br>plug with female contact<br>plug with less female contact |
| MS3440 H •• C •• P <input type="checkbox"/><br>MS3443 H •• C •• P <input type="checkbox"/><br>MS3449 H •• C •• P <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8526-2H •••• P <input type="checkbox"/><br>8526-1H •••• P <input type="checkbox"/><br>8526-7H •••• P <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | hermetic square flange receptacle<br>hermetic solder fixing receptacle<br>hermetic jam nut receptacle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| M85049/31- •• W<br>M85049/52-1- •• W<br>M85049/51-1- •• W<br>M85049/60-1W- ••<br>M85049/60-2G- •• A<br>M85049/31- •• A<br>M85049/52-1- •• A<br>M85049/51-1- •• A<br>M85049/60-1A ••<br>M85049/60-2G- •• A<br>M85049/31- •• N<br>M85049/52-1- •• N<br>M85049/51-1- •• N<br>M85049/60-1N ••<br>M85049/60-2G- •• N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 852-31W ••<br>852-52W ••<br>852-51W ••<br>852-60W ••<br>*852-57W ••<br>852-31A ••<br>852-52A ••<br>852-51A ••<br>852-60A ••<br>*852-57A ••<br>*852-31N ••<br>*852-52N ••<br>*852-51N ••<br>*852-60N ••<br>*852-57N ••                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | backnut<br>straight cable clamp<br>elbow cable clamp<br>backshell for heatshrink sleeving<br>backnut for heatshrink sleeving<br>backnut<br>straight cable clamp<br>elbow cable clamp<br>backshell for heatshrink sleeving<br>backnut for heatshrink sleeving<br>backnut<br>straight cable clamp<br>elbow cable clamp<br>backshell for heatshrink sleeving<br>backnut for heatshrink sleeving                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| M39029/4-110<br>M39029/4-111<br>M39029/4-113<br>M39029/5-115<br>M39029/5-116<br>M39029/5-118<br><br>M39029/9-135<br>M39029/9-134<br>M39029/10-141<br>M39029/10-140<br><br>M39029/8-001<br>M39029/7-001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8522-2253A<br>8522-330A<br>8522-331A<br>8520-289<br>8522-486A<br>8522-487B<br><br>*8522-875A<br>*8522-876A<br>*8522-877A<br>*8522-878A<br><br>*8522-12-1-001<br>*8522-12-2-001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | male contact ≠ 20<br>male contact ≠ 16<br>male contact ≠ 12<br>female contact ≠ 20<br>female contact ≠ 16<br>female contact ≠ 12<br><b>thermocouple contacts</b><br>male-chromel ≠ 20<br>male-alumel ≠ 20<br>female-chromel ≠ 20<br>female-alumel ≠ 20<br><b>coax contacts ≠ 12</b><br>female for RG178B/U cable<br>male for RG178B/U cable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MS27488-20<br>MS27488-16<br>MS27488-12<br>M81969-14-02<br>M81969-14-03<br>M81969-14-04                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8522-389A<br>8522-390A<br>8522-391A<br>8522-20<br>8522-16<br>8522-12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | filler plug ≠ 20<br>filler plug ≠ 16<br>filler plug ≠ 12<br>plastic tool for contact ≠ 20<br>plastic tool for contact ≠ 16<br>plastic tool for contact ≠ 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

# MIL-C 26482G Series II



## Contacts layouts

viewed from front face of male insulator

| Shells |        |         |                   |         |         |                   |                    |         |
|--------|--------|---------|-------------------|---------|---------|-------------------|--------------------|---------|
| 08     | 10     | 12      | 14                | 16      | 18      | 20                | 22                 | 24      |
| 8-33*  | 10-6*  | 12-10*  | 14-19*            | 16-26*  | 18-32*  | 20-41*            | 22-55*             | 24-61*  |
|        |        |         |                   |         |         |                   |                    |         |
| 3 # 20 | 6 # 20 | 10 # 20 | 19 # 20           | 26 # 20 | 32 # 20 | 41 # 20           | 55 # 20            | 61 # 20 |
| 8-98*  |        | 12-3*   | 14-15*            | 16-8*   | 18-11   | 20-39*            | 22-41*             | 24-31   |
|        |        |         |                   |         |         |                   |                    |         |
| 3 # 20 |        | 3 # 16  | 14 # 20<br>1 # 16 | 8 # 16  | 11 # 16 | 37 # 20<br>2 # 16 | 27 # 20<br>14 # 16 | 31 # 16 |
|        |        |         | 14-12*            |         | 18-8*   | 20-16*            | 22-21*             | 24-19   |
|        |        |         |                   |         |         |                   |                    |         |
|        |        |         | 8 # 20<br>4 # 16  |         | 8 # 12  | 16 # 16           | 21 # 16            | 19 # 12 |
|        |        |         | 14-5*             |         |         |                   | 22-12              |         |
|        |        |         |                   |         |         |                   |                    |         |
|        |        |         | 5 # 16            |         |         |                   | 12 # 12            |         |
|        |        |         | 14-4*             |         |         |                   |                    |         |
|        |        |         |                   |         |         |                   |                    |         |
|        |        |         | 4 # 12            |         |         |                   |                    |         |

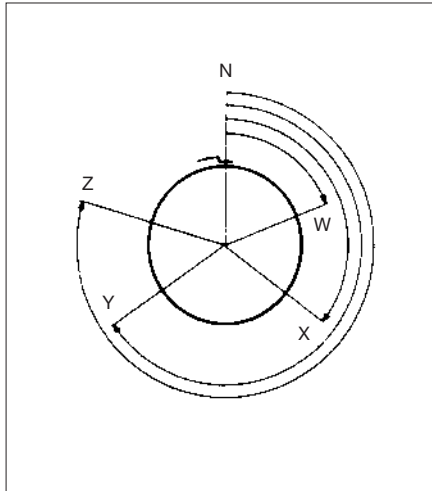
\* hermetic receptacle available  
not QPL to date

# MIL-C 26482G Series II



## Polarization

Insulator rotated inside metal body



| shell size | contacts layouts | service I | service II | number of contacts |                 |                 | angles in degrees |     |     |     |     |
|------------|------------------|-----------|------------|--------------------|-----------------|-----------------|-------------------|-----|-----|-----|-----|
|            |                  |           |            | size 20<br>Ø1      | size 16<br>Ø1,6 | size 12<br>Ø2,4 | N                 | W   | X   | Y   | Z   |
| 8          | 8-33             | X         |            | 3                  |                 |                 | 0                 | 90  | -   | -   | -   |
|            | 8-96             | X         |            | 3                  |                 |                 | 0                 | -   | -   | -   | -   |
| 10         | 10-6             | X         |            | 6                  |                 |                 | 0                 | 90  | -   | -   | -   |
| 12         | 12-10            | X         |            | 10                 |                 |                 | 0                 | 60  | 155 | 270 | 295 |
|            | 12-3             |           | X          |                    | 3               |                 | 0                 | -   | -   | 180 | -   |
| 14         | 14-19            | X         |            | 19                 |                 |                 | 0                 | 30  | 165 | 315 | -   |
|            | 14-15            | X         |            | 14                 | 1               |                 | 0                 | 17  | 110 | 155 | 234 |
|            | 14-12            | X         |            | 8                  | 4               |                 | 0                 | 43  | 90  | -   | -   |
|            | 14-5             |           | X          |                    | 5               |                 | 0                 | 40  | 92  | 184 | 273 |
|            | 14-4             | X         |            |                    |                 | 4               | 0                 | 45  | -   | -   | -   |
| 16         | 16-26            | X         |            | 26                 |                 |                 | 0                 | 60  | -   | 275 | 338 |
|            | 16-8             |           | X          |                    | 8               |                 | 0                 | 54  | 152 | 180 | 331 |
| 18         | 18-32            | X         |            | 32                 |                 |                 | 0                 | 85  | 138 | 222 | 265 |
|            | 18-11            |           | X          |                    | 11              |                 | 0                 | 62  | 119 | 241 | 340 |
|            | 18-8             | X         |            |                    |                 | 8               | 0                 | 180 | -   | -   | -   |
| 20         | 20-41            | X         |            | 41                 |                 |                 | 0                 | 45  | 126 | 225 | -   |
|            | 20-39            | X         |            | 37                 | 2               |                 | 0                 | 63  | 144 | 252 | 333 |
|            | 20-16            |           | X          |                    | 16              |                 | 0                 | 238 | 318 | 333 | 347 |
| 22         | 22-55            | X         |            | 55                 |                 |                 | 0                 | 30  | 142 | 226 | 314 |
|            | 22-41            | X         |            | 27                 | 14              |                 | 0                 | 39  | 135 | 264 | -   |
|            | 22-21            |           | X          |                    | 21              |                 | 0                 | 16  | 135 | 175 | 349 |
|            | 22-12            | X         |            |                    |                 | 12              | 0                 | -   | -   | -   | -   |
| 24         | 24-61            | X         |            | 61                 |                 |                 | 0                 | 90  | 180 | 270 | 324 |
|            | 24-31            | X         |            |                    | 31              |                 | 0                 | 90  | 225 | 255 | -   |
|            | 24-19            |           | X          |                    |                 | 19              | 0                 | 30  | 165 | 315 | -   |

## Contacts

| Contacts size                                   | 20 (Ø1mm)           | 16 (Ø1.6mm)       | 12 (Ø2.4mm)        |
|-------------------------------------------------|---------------------|-------------------|--------------------|
| <b>Cable accommodation (admissible section)</b> |                     |                   |                    |
| external Ø over insulator                       | 0,98/2,11 mm        | 1,34/2,62 mm      | 2,45/4,01 mm       |
| admissible section                              | 0,21/0,60 mm²       | 0,60/1,34mm²      | 1,91/3,18mm²       |
| wire gauge                                      | 24/20               | 20/16             | 14/12              |
| reducing sleeve for wire of                     | 0,09/0,21 mm²       | -                 | -                  |
|                                                 | 28/24               | -                 | -                  |
| <b>part numbers</b>                             |                     |                   |                    |
| - male contacts                                 | M39029/4-110        | M39029/4-111      | M39029/4-112       |
| colour code                                     | brown-brown-black   | brown-brown-brown | brown-brown-orange |
| - female contacts                               | M39029/5-115        | M39029/5-116      | M39029/5-118       |
| colour code                                     | brown-brown-green   | brown-brown-blue  | brown-brown-grey   |
| - male contacts chromel thermocouple            | 8522-875 A          | 8522-881          | 8522-887           |
| colour code                                     | brown-orange-green  | yellow            | yellow             |
| - alumel thermocouple                           | 8522-876 A          | 8522-882          | 8522-888           |
| colour code                                     | brown-orange-yellow | black             | black              |
| - female contacts chromel thermocouple          | 8522-877 A          | 8522-883          | 8522-889           |
| colour code                                     | brown-yellow-brown  | yellow            | yellow             |
| - alumel thermocouple                           | 8522-878 A          | 8522-884          | 8522-890           |
| colour code                                     | brown-yellow-black  | black             | black              |
| reducing sleeve                                 | 8522-2142           |                   |                    |

## Minicoax contacts

installed instead of size 16 contacts

|                 |                 |                    |              |
|-----------------|-----------------|--------------------|--------------|
| male contacts   |                 |                    |              |
|                 | 8526-2-001 A    | 8526-2-002 A       | 8526-2-003 A |
| female contacts |                 |                    |              |
|                 | 8526-1-001 A    | 8526-1-002 A       | 8526-1-003 A |
| cables accepted | RG-316U-KX 22 A | RG-178 B/U-KX 21 A | RG 179 B/U   |

## Coax contacts

installed instead of size 12 contacts

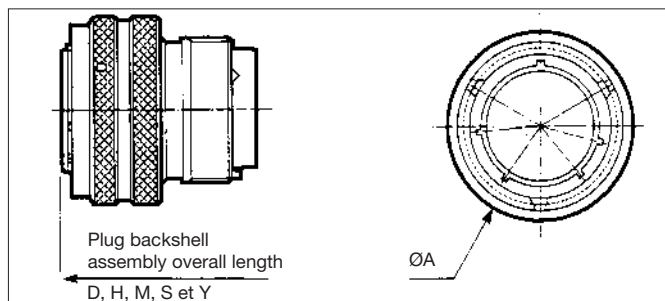
|                 |               |               |               |               |
|-----------------|---------------|---------------|---------------|---------------|
| male contacts   |               |               |               |               |
|                 | 8526-12-2-001 | 8526-12-2-002 | 8526-12-2-003 | 8526-12-2-004 |
| female contacts |               |               |               |               |
|                 | 8526-12-1-001 | 8526-12-1-002 | 8526-12-1-003 | 8526-12-1-004 |
| cables accepted | RG 178 B/U    | RG 179 B/U    | RG 316 U      | RG 180 B/U    |

# MIL-C 26482G Series II



## Dimensions

### Plug MS3475 and MS3476



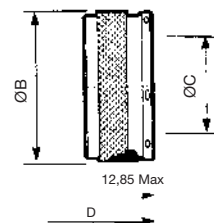
| shells | A              | B<br>Max       | C              | D<br>Max      | E<br>min      | E<br>Max      | F<br>Max      | G<br>Max       | H<br>Max       |
|--------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|----------------|
| 08     | 18.95<br>.746  | 15.65<br>.616  | 6.75<br>.266   | 36.5<br>1.437 | 3.2<br>.126   | 5.2<br>.205   | 19.1<br>.752  | 22.65<br>.892  | 46.1<br>1.815  |
| 10     | 22.65<br>.892  | 18.6<br>.732   | 9.4<br>.370    | 36.5<br>1.437 | 4.75<br>.187  | 7.25<br>.285  | 21.1<br>.831  | 24.45<br>.963  | 47.59<br>2.669 |
| 12     | 25.75<br>1.014 | 21.75<br>.856  | 12.8<br>.504   | 36.5<br>1.437 | 7.4<br>.285   | 10.6<br>.417  | 25.1<br>1.009 | 27.85<br>1.096 | 51.3<br>2.394  |
| 14     | 29.75<br>1.171 | 24.95<br>.982  | 14.75<br>.581  | 36.5<br>1.437 | 8.9<br>.350   | 12.1<br>.476  | 26.6<br>1.047 | 27.85<br>1.096 | 51.3<br>2.394  |
| 16     | 32.95<br>1.297 | 28.2<br>1.110  | 17.93<br>.706  | 36.5<br>1.437 | 12.75<br>.502 | 15.9<br>.626  | 33.5<br>1.319 | 30.85<br>1.215 | 54.3<br>2.138  |
| 18     | 35.35<br>1.392 | 30.9<br>1.217  | 19.94<br>.785  | 36.5<br>1.437 | 13.15<br>.518 | 17.9<br>.705  | 36.9<br>1.453 | 37.85<br>1.490 | 60.8<br>2.394  |
| 20     | 38.75<br>1.526 | 34.15<br>1.344 | 23.11<br>.910  | 36.5<br>1.437 | 14.75<br>.581 | 21.1<br>.831  | 39.5<br>1.555 | 40.45<br>1.593 | 63.9<br>2.516  |
| 22     | 41.85<br>1.648 | 37.25<br>1.467 | 26.29<br>1.035 | 36.5<br>1.437 | 16.35<br>.644 | 24.3<br>.957  | 42<br>1.654   | 44.35<br>1.746 | 67.8<br>2.669  |
| 24     | 45.05<br>1.774 | 40.45<br>1.593 | 29.2<br>1.150  | 36.5<br>1.437 | 17.95<br>.707 | 27.5<br>1.083 | 45.1<br>1.776 | 46.75<br>1.841 | 70.2<br>2.764  |

| shells | J<br>Max      | K<br>min      | K<br>Max      | L<br>Max       | M<br>Max      | N<br>mini      | O<br>Max       | P           | Q<br>Max     |
|--------|---------------|---------------|---------------|----------------|---------------|----------------|----------------|-------------|--------------|
| 08     | 20.5<br>.807  | 3.2<br>.126   | 5.2<br>.205   | 27.6<br>1.087  | 52.2<br>2.055 | 6.75<br>.266   | 13.5<br>.531   | 3.3<br>.130 | 10.6<br>.417 |
| 10     | 22<br>.866    | 4.75<br>.185  | 7.25<br>.285  | 29.3<br>1.154  | 53.9<br>2.122 | 9.4<br>.370    | 15.35<br>.604  | 3.3<br>.130 | 10.6<br>.417 |
| 12     | 23.6<br>.929  | 7.4<br>.291   | 10.6<br>.417  | 31.9<br>1.256  | 56.5<br>2.224 | 12.8<br>.504   | 19.65<br>.774  | 3.3<br>.130 | 10.6<br>.417 |
| 14     | 25.2<br>.992  | 8.9<br>.350   | 12.1<br>.476  | 33.4<br>1.315  | 58<br>2.283   | 14.75<br>.581  | 21.25<br>.837  | 3.3<br>.130 | 10.6<br>.417 |
| 16     | 26.8<br>1.055 | 12.75<br>.502 | 15.9<br>.626  | 37.3<br>1.469  | 61.9<br>2.437 | 17.93<br>.706  | 24.45<br>.963  | 3.3<br>.130 | 10.6<br>.417 |
| 18     | 31.3<br>1.232 | 13.15<br>.518 | 17.9<br>.705  | 38.7<br>1.524  | 63.3<br>2.492 | 19.94<br>.785  | 26.45<br>1.041 | 3.3<br>.130 | 10.6<br>.417 |
| 20     | 32.9<br>1.295 | 14.75<br>.581 | 21.1<br>.831  | 40.25<br>1.585 | 64.9<br>2.555 | 23.11<br>.910  | 30.9<br>1.217  | 3.3<br>.130 | 10.6<br>.417 |
| 22     | 34.5<br>1.358 | 16.35<br>.644 | 24.3<br>.957  | 41.9<br>1.650  | 66.5<br>2.618 | 26.29<br>1.035 | 34.4<br>1.354  | 3.3<br>.130 | 10.6<br>.417 |
| 24     | 36.1<br>1.421 | 17.95<br>.707 | 27.5<br>1.083 | 43.5<br>1.713  | 68.1<br>2.681 | 29.2<br>1.150  | 36.65<br>1.443 | 3.3<br>.130 | 10.6<br>.417 |

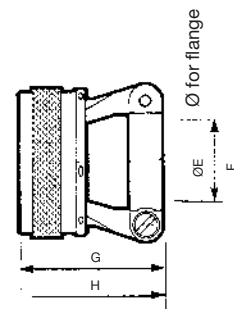
| shells | R<br>Max       | S<br>Max    | T<br>Max      | U<br>Max       | V              | W<br>Max    | X<br>Max     | Y<br>Max      |
|--------|----------------|-------------|---------------|----------------|----------------|-------------|--------------|---------------|
| 08     | 28.55<br>1.124 | 52<br>2.047 | 13.72<br>.540 | 6.75<br>.266   | 17.48<br>.688  | 3.3<br>.130 | 10.5<br>.413 | 37.4<br>1.472 |
| 10     | 28.55<br>1.124 | 52<br>2.047 | 13.72<br>.540 | 9.4<br>.370    | 20.4<br>.803   | 3.3<br>.130 | 10.5<br>.413 | 37.4<br>1.472 |
| 12     | 28.55<br>1.124 | 52<br>2.047 | 13.72<br>.540 | 12.8<br>.504   | 23.83<br>.938  | 3.3<br>.130 | 10.5<br>.413 | 37.4<br>1.472 |
| 14     | 28.55<br>1.124 | 52<br>2.047 | 13.72<br>.540 | 14.75<br>.581  | 27<br>1.063    | 3.3<br>.130 | 10.5<br>.413 | 37.4<br>1.472 |
| 16     | 28.55<br>1.124 | 52<br>2.047 | 13.72<br>.540 | 17.93<br>.706  | 31.45<br>1.238 | 3.3<br>.130 | 10.5<br>.413 | 37.4<br>1.472 |
| 18     | 28.55<br>1.124 | 52<br>2.047 | 13.72<br>.540 | 19.94<br>.785  | 33.27<br>1.310 | 3.3<br>.130 | 10.5<br>.413 | 37.4<br>1.472 |
| 20     | 28.55<br>1.124 | 52<br>2.047 | 13.72<br>.540 | 23.11<br>.910  | 36.47<br>1.436 | 3.3<br>.130 | 10.5<br>.413 | 37.4<br>1.472 |
| 22     | 28.55<br>1.124 | 52<br>2.047 | 13.72<br>.540 | 26.29<br>1.035 | 39.62<br>1.560 | 3.3<br>.130 | 10.5<br>.413 | 37.4<br>1.472 |
| 24     | 28.55<br>1.124 | 52<br>2.047 | 13.72<br>.540 | 29.2<br>1.150  | 42.82<br>1.686 | 3.3<br>.130 | 10.5<br>.413 | 37.4<br>1.472 |

### Backshells

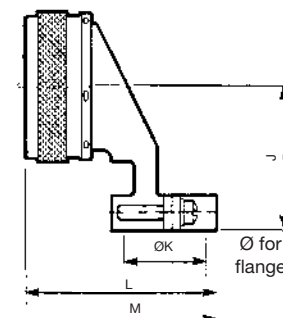
backnut  
type 31



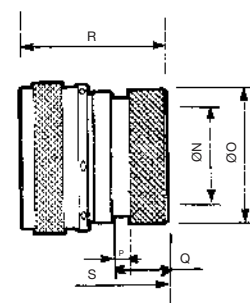
Straight  
cable clamp  
type 52-1



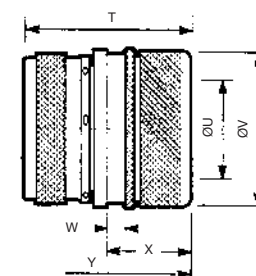
elbow  
cable clamp  
type 51-1



for heatshrink  
sleeving  
type 60-1



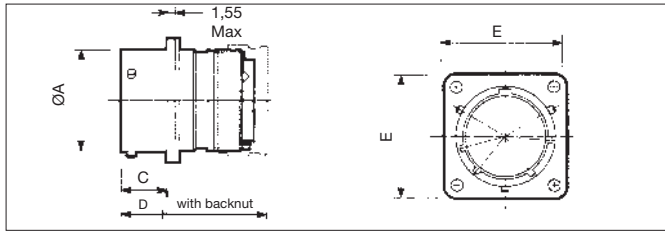
backnut for  
heatshrink  
sleeving  
type 60-2



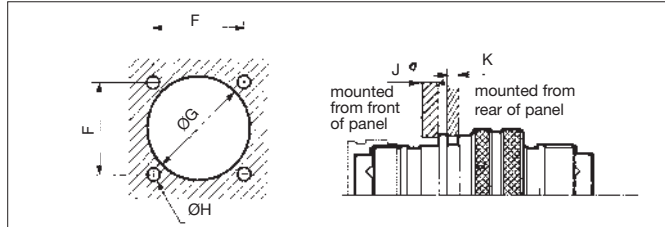
# MIL-C 26482G Series II



## Environmental square flange receptacle MS3470

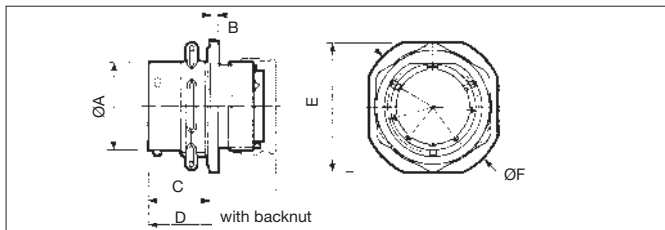


### panel cut-out

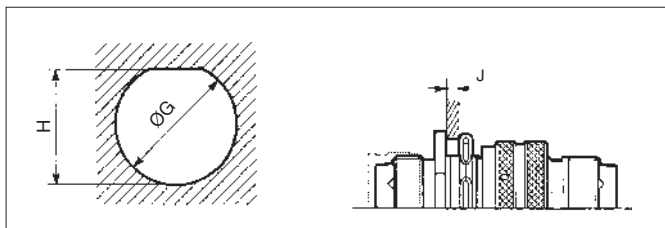


| shells | A<br>Max       | B<br>Max     | C<br>Max      | D<br>Max      | E<br>Max       | F              | G              | H            | J<br>Max     | K<br>Max     |
|--------|----------------|--------------|---------------|---------------|----------------|----------------|----------------|--------------|--------------|--------------|
| 08     | 12.03<br>.474  | 1.95<br>.077 | 11.7<br>.461  | 36.5<br>1.437 | 21<br>.827     | 15.09<br>.594  | 14.43<br>.568  | 3.05<br>.120 | 3.17<br>.125 | 2.21<br>.087 |
| 10     | 15.01<br>.591  | 1.95<br>.077 | 11.7<br>.461  | 36.5<br>1.437 | 24.2<br>.953   | 18.26<br>.719  | 17.4<br>.685   | 3.05<br>.120 | 3.17<br>.125 | 2.21<br>.087 |
| 12     | 19.07<br>.751  | 1.95<br>.077 | 11.7<br>.461  | 36.5<br>1.437 | 26.55<br>1.045 | 20.62<br>.812  | 21.95<br>.864  | 3.05<br>.120 | 3.17<br>.125 | 2.21<br>.087 |
| 14     | 22.25<br>.876  | 1.95<br>.077 | 11.7<br>.461  | 36.5<br>1.437 | 28.9<br>1.138  | 23.01<br>.906  | 25.12<br>.989  | 3.05<br>.120 | 3.17<br>.125 | 2.21<br>.087 |
| 16     | 25.42<br>1.001 | 1.95<br>.077 | 11.7<br>.461  | 36.5<br>1.437 | 31.3<br>1.232  | 24.61<br>1.062 | 28.27<br>1.113 | 3.05<br>.120 | 3.17<br>.125 | 2.21<br>.087 |
| 18     | 28.6<br>1.126  | 1.95<br>.077 | 11.7<br>.461  | 36.5<br>1.437 | 33.7<br>1.327  | 26.97<br>1.062 | 31.45<br>1.238 | 3.05<br>.120 | 3.17<br>.125 | 2.21<br>.087 |
| 20     | 31.77<br>1.251 | 2.75<br>.108 | 14.35<br>.565 | 38.1<br>1.500 | 36.9<br>1.453  | 29.36<br>1.156 | 34.62<br>1.363 | 3.05<br>.120 | 3.17<br>.125 | 5.38<br>.212 |
| 22     | 34.95<br>1.376 | 2.75<br>.108 | 14.35<br>.565 | 38.1<br>1.500 | 40<br>1.575    | 31.75<br>1.250 | 37.8<br>1.488  | 3.05<br>.120 | 3.17<br>.125 | 5.38<br>.212 |
| 24     | 38.12<br>1.501 | 2.75<br>.108 | 15.2<br>.598  | 38.1<br>1.500 | 43.3<br>1.705  | 34.92<br>1.375 | 41.02<br>1.615 | 3.73<br>.147 | 3.17<br>.125 | 5.38<br>.212 |

## Environmental jam nut receptacle MS3474

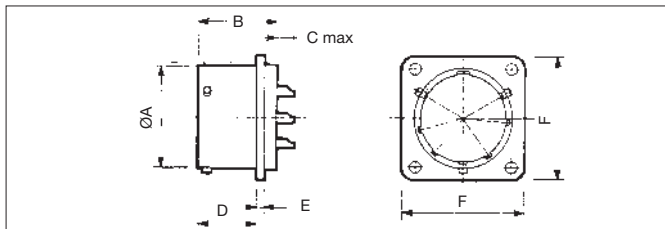


### panel cut-out

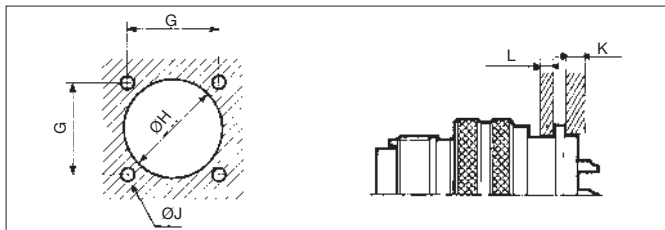


| shells | A<br>Max       | B<br>Max     | C<br>Max      | D<br>Max      | E<br>Max       | F<br>Max       | G              | H              | J<br>Max     |
|--------|----------------|--------------|---------------|---------------|----------------|----------------|----------------|----------------|--------------|
| 8      | 12.03<br>.474  | 2.51<br>.099 | 17.55<br>.691 | 36.5<br>1.437 | 24.05<br>.947  | 27.2<br>1.071  | 14.53<br>.572  | 13.61<br>.536  | 4.75<br>.187 |
| 10     | 15.01<br>.591  | 2.51<br>.099 | 17.55<br>.691 | 36.5<br>1.437 | 27.2<br>1.071  | 30.4<br>1.197  | 17.7<br>.697   | 16.79<br>.661  | 4.75<br>.187 |
| 12     | 19.07<br>.751  | 2.51<br>.099 | 17.55<br>.691 | 36.5<br>1.437 | 32<br>1.260    | 35.15<br>1.384 | 22.73<br>.895  | 20.93<br>.824  | 4.75<br>.187 |
| 14     | 22.25<br>.876  | 2.51<br>.099 | 17.55<br>.691 | 36.5<br>1.437 | 35.15<br>1.384 | 38.35<br>1.510 | 25.65<br>1.010 | 24.08<br>.948  | 4.75<br>.187 |
| 16     | 25.42<br>1.001 | 2.51<br>.099 | 17.55<br>.691 | 36.5<br>1.437 | 38.35<br>1.510 | 41.5<br>1.634  | 28.83<br>1.135 | 27.23<br>1.072 | 4.75<br>.187 |
| 18     | 28.6<br>1.126  | 2.51<br>.099 | 17.55<br>.691 | 36.5<br>1.437 | 41.5<br>1.634  | 44.7<br>1.760  | 32<br>1.260    | 30.4<br>1.197  | 4.75<br>.187 |
| 20     | 31.77<br>1.251 | 3.3<br>.130  | 19.15<br>.754 | 38.1<br>1.500 | 46.25<br>1.821 | 49.45<br>1.947 | 35.18<br>1.385 | 33.58<br>1.322 | 6.35<br>.250 |
| 22     | 34.95<br>1.376 | 3.3<br>.130  | 19.15<br>.754 | 38.1<br>1.500 | 49.45<br>1.947 | 52.6<br>2.071  | 38.35<br>1.510 | 36.75<br>1.447 | 6.35<br>.250 |
| 24     | 38.12<br>1.501 | 3.3<br>.130  | 19.15<br>.754 | 38.1<br>1.500 | 52.6<br>2.071  | 55.8<br>2.197  | 41.53<br>1.635 | 39.93<br>1.572 | 5.55<br>.219 |

## Square flange hermetic receptacle MS3440



### panel cut-out

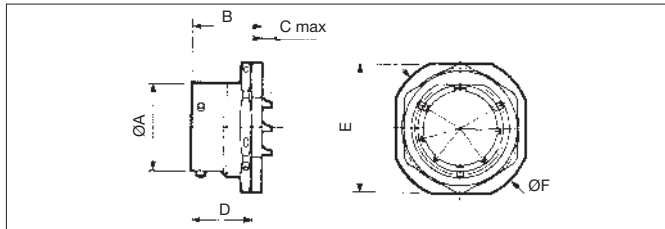


| shells | A<br>Max       | B<br>Max      | C<br>Max<br># 20<br># 16 | D<br>Max      | E<br>Max     | F<br>Max       | G              | H              | J<br>Max     | K<br>Max    | L<br>Max    |
|--------|----------------|---------------|--------------------------|---------------|--------------|----------------|----------------|----------------|--------------|-------------|-------------|
| 8      | 12.05<br>.474  | 19.8<br>.780  | 4.5<br>.177              | 15.05<br>.593 | 1.95<br>.077 | 21<br>.827     | 15.1<br>.594   | 14.7<br>.612   | 3.15<br>.124 | 3.2<br>.126 | 3<br>.118   |
| 10     | 15<br>.591     | 19.8<br>.780  | 4.5<br>.177              | 15.05<br>.593 | 1.95<br>.077 | 24.2<br>.953   | 18.26<br>.719  | 17.5<br>.740   | 3.15<br>.124 | 3.2<br>.126 | 3<br>.118   |
| 12     | 19.05<br>.750  | 19.8<br>.780  | 4.5<br>.177              | 15.05<br>.593 | 1.95<br>.077 | 26.55<br>1.045 | 20.62<br>.812  | 20.2<br>.872   | 3.15<br>.124 | 3.2<br>.126 | 3<br>.118   |
| 14     | 22.25<br>.876  | 19.8<br>.780  | 4.5<br>.177              | 15.05<br>.593 | 1.95<br>.077 | 28.95<br>1.140 | 23.01<br>.906  | 25.12<br>.996  | 3.15<br>.124 | 3.2<br>.126 | 3<br>.118   |
| 16     | 25.4<br>1.000  | 19.8<br>.780  | 4.5<br>.177              | 15.05<br>.593 | 1.95<br>.077 | 31.3<br>1.232  | 24.61<br>.969  | 28.27<br>1.120 | 3.15<br>.124 | 3.2<br>.126 | 3<br>.118   |
| 18     | 28.6<br>1.126  | 19.8<br>.780  | 4.5<br>.177              | 15.05<br>.593 | 1.95<br>.077 | 33.7<br>1.327  | 26.97<br>1.062 | 31.45<br>1.246 | 3.15<br>.124 | 3.2<br>.126 | 3<br>.118   |
| 20     | 31.75<br>1.250 | 20.95<br>.825 | 4.5<br>.181              | 16.6<br>.654  | 2.4<br>.094  | 36.9<br>1.453  | 29.36<br>1.156 | 32.1<br>1.370  | 3.15<br>.124 | 3.2<br>.126 | 5.4<br>.213 |
| 22     | 34.95<br>1.376 | 21.8<br>.858  | 3.7<br>.146              | 16.6<br>.654  | 2.4<br>.094  | 40.1<br>1.579  | 31.75<br>1.250 | 35.3<br>1.496  | 3.15<br>.124 | 3.2<br>.126 | 5.4<br>.213 |
| 24     | 38.1<br>1.500  | 21.8<br>.858  | 3.7<br>.146              | 16.6<br>.654  | 2.4<br>.094  | 43.25<br>1.703 | 34.92<br>1.375 | 38.4<br>1.622  | 3.3<br>.130  | 3.2<br>.126 | 5.4<br>.213 |

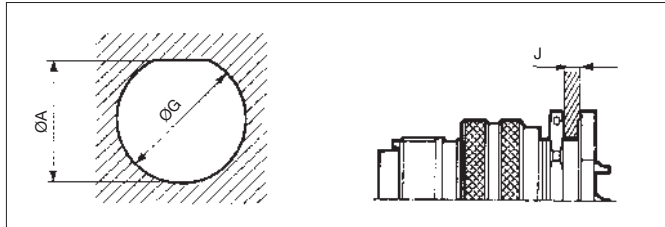
# MIL-C 26482G Series II



## Jam nut hermetic receptacle MS3449

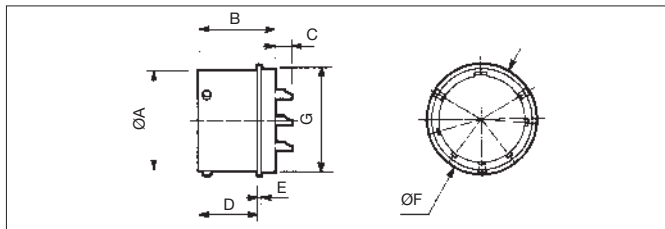


### panel cut-out

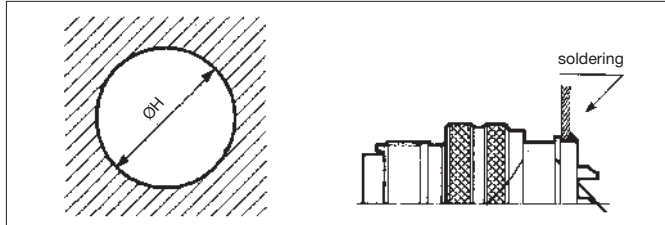


| shells | A              | B             | C Max        |              | D             | E              | F              | G              | H              | J            |              |
|--------|----------------|---------------|--------------|--------------|---------------|----------------|----------------|----------------|----------------|--------------|--------------|
|        | Max            | Max           | # 20         | # 12<br># 16 | Max           | Max            | Max            |                |                | min          | Max          |
| 8      | 12.05<br>.474  | 20.73<br>.816 | 3.4<br>.134  | —<br>—       | 17.91<br>.705 | 24.2<br>.953   | 27.34<br>1.076 | 14.6<br>.575   | 13.75<br>.541  | 1.57<br>.062 | 4.75<br>.187 |
| 10     | 15<br>.591     | 20.73<br>.816 | 3.4<br>.134  | —<br>—       | 17.91<br>.705 | 27.34<br>1.076 | 30.52<br>1.202 | 17.75<br>.699  | 16.95<br>.667  | 1.57<br>.062 | 4.75<br>.187 |
| 12     | 19.05<br>.750  | 20.73<br>.816 | 3.4<br>.134  | 5.2<br>.205  | 17.91<br>.705 | 32.12<br>1.265 | 35.29<br>1.389 | 22.5<br>.886   | 20.99<br>.846  | 1.57<br>.062 | 4.75<br>.187 |
| 14     | 22.25<br>.876  | 20.73<br>.816 | 3.4<br>.134  | 5.2<br>.205  | 17.91<br>.705 | 35.29<br>1.389 | 38.47<br>1.515 | 25.7<br>1.012  | 24.2<br>.953   | 1.57<br>.062 | 4.75<br>.187 |
| 16     | 25.4<br>1.000  | 20.73<br>.816 | 3.4<br>.134  | 5.2<br>.205  | 17.91<br>.705 | 38.47<br>1.515 | 41.64<br>1.639 | 28.85<br>1.136 | 27.35<br>1.077 | 1.57<br>.062 | 4.75<br>.187 |
| 18     | 28.6<br>1.126  | 20.73<br>.816 | 3.4<br>.134  | 5.2<br>.205  | 17.91<br>.705 | 41.64<br>1.639 | 44.82<br>1.765 | 32.05<br>1.262 | 30.55<br>1.203 | 1.57<br>.062 | 4.75<br>.187 |
| 20     | 31.75<br>1.250 | 23.08<br>.909 | 2.5<br>.098  | 4.3<br>.169  | 19.5<br>.768  | 46.39<br>1.826 | 49.59<br>1.952 | 35.2<br>1.386  | 33.7<br>1.327  | 1.57<br>.062 | 6.35<br>.250 |
| 22     | 34.95<br>1.376 | 23.08<br>.909 | 2.5<br>.098  | 4.3<br>.169  | 19.5<br>.768  | 49.59<br>1.952 | 52.74<br>2.076 | 38.4<br>1.512  | 36.9<br>1.453  | 1.57<br>.062 | 6.35<br>.250 |
| 24     | 38.1<br>1.500  | 23.83<br>.938 | 1.75<br>.069 | 3.55<br>.140 | 19.5<br>.768  | 52.74<br>2.076 | 55.92<br>2.202 | 41.55<br>1.636 | 40.05<br>1.577 | 1.57<br>.062 | 6.35<br>.250 |

## Solder mounted hermetic receptacle MS3443



### panel cut-out



| shells | A              | B            | C           |              | D            | E           | F              | G              | H              |
|--------|----------------|--------------|-------------|--------------|--------------|-------------|----------------|----------------|----------------|
|        | Max            | Max          | # 20        | # 12<br># 16 | Max          | Max         | Max            |                |                |
| 8      | 12.05<br>.474  | 19.5<br>.768 | 4.5<br>.177 | —<br>—       | 15.1<br>.594 | 1.1<br>.043 | 16.1<br>.634   | 14.27<br>.562  | 14.48<br>.570  |
| 10     | 15<br>.591     | 19.5<br>.768 | 4.5<br>.177 | —<br>—       | 15.1<br>.594 | 1.1<br>.043 | 19.3<br>.760   | 17.06<br>.672  | 17.27<br>.680  |
| 12     | 19.05<br>.750  | 19.5<br>.768 | 4.5<br>.177 | 6.3<br>.248  | 15.1<br>.594 | 1.1<br>.043 | 21.65<br>.852  | 19.83<br>.781  | 20.04<br>.789  |
| 14     | 22.25<br>.876  | 19.5<br>.768 | 4.5<br>.177 | 6.3<br>.248  | 15.1<br>.594 | 1.1<br>.043 | 24.85<br>.978  | 23.01<br>.906  | 23.22<br>.914  |
| 16     | 25.4<br>1.000  | 19.5<br>.768 | 4.5<br>.177 | 6.3<br>.248  | 15.1<br>.594 | 1.1<br>.043 | 28<br>1.102    | 26.18<br>1.031 | 26.39<br>1.039 |
| 18     | 28.6<br>1.126  | 19.5<br>.768 | 4.5<br>.177 | 6.3<br>.248  | 15.1<br>.594 | 1.1<br>.043 | 31.15<br>1.226 | 29.36<br>1.156 | 29.57<br>1.164 |
| 20     | 31.75<br>1.250 | 21.1<br>.831 | 4.5<br>.177 | 6.3<br>.248  | 16.7<br>.657 | 1.1<br>.043 | 33.55<br>1.321 | 31.74<br>1.250 | 31.95<br>1.258 |
| 22     | 34.95<br>1.376 | 22<br>.866   | 3.7<br>.146 | 5.5<br>.217  | 16.7<br>.657 | 1.1<br>.043 | 36.75<br>1.447 | 34.92<br>1.375 | 35.13<br>1.383 |
| 24     | 38.1<br>1.500  | 22<br>.866   | 3.7<br>.146 | 5.5<br>.217  | 16.7<br>.657 | 1.1<br>.043 | 39.95<br>1.573 | 38.09<br>1.500 | 38.3<br>1.508  |

## Reusable fixing plate

Two, three or four holes self locking fixing plates are available at SHTP. See page 677.

## gaskets

| shells | gaskets                                                               | O-ring                                                     |
|--------|-----------------------------------------------------------------------|------------------------------------------------------------|
|        | square flange receptacle<br>MS3470 and MS3440<br>(ordered separately) | jam nut receptacle<br>MS3474 and MS3449<br>(spare O-rings) |
| 8      | 8525-1431                                                             | MS9068-016                                                 |
| 10     | 8525-1432                                                             | MS9068-018                                                 |
| 12     | 8525-1433                                                             | MS9068-021                                                 |
| 14     | 8525-1434                                                             | MS9068-023                                                 |
| 16     | 8525-1435                                                             | MS9068-025                                                 |
| 18     | 8525-1436                                                             | MS9068-027                                                 |
| 20     | 8525-1437                                                             | MS9068-029                                                 |
| 22     | 8525-1438                                                             | MS9068-030                                                 |
| 24     | 8525-1439                                                             | MS9068-031                                                 |

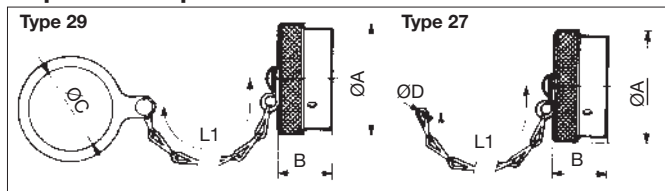
# MIL-C 26482G Series II



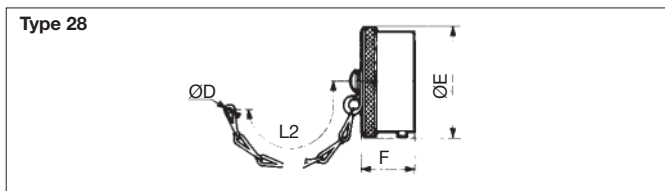
## Protective caps

|              |                                                                                               |    |   |    |
|--------------|-----------------------------------------------------------------------------------------------|----|---|----|
| basic series | 852                                                                                           | 28 | R | 10 |
| cap type     | 28 - cap for plug<br>27 - cap for square flange receptacle<br>29 - cap for jam nut receptacle |    |   |    |
| plating      | W - olive green cadmium<br>N - nickel<br>R - black anodized                                   |    |   |    |
| shell size   | 08-10-12-14-16-18-20-22-24                                                                    |    |   |    |

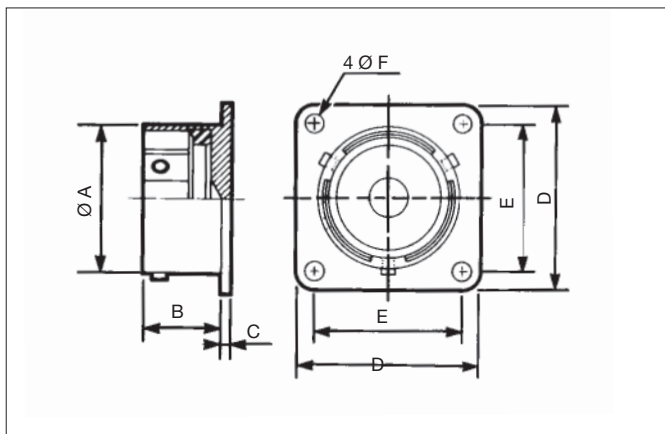
### Caps for receptacle



### Caps for plug



### Dummy receptacle



### Light weight and special backshells

|              |                                                                                                                       |    |   |    |
|--------------|-----------------------------------------------------------------------------------------------------------------------|----|---|----|
| basic series | 852                                                                                                                   | 02 | W | 10 |
| cap type     | 02 - straight cable clamp<br>03 - elbow cable clamp<br>32 - backshell with shield termination and heatshrink sleeving |    |   |    |
| plating      | W - olive green cadmium<br>N - nickel<br>R - black anodized                                                           |    |   |    |
| shell size   | 08-10-12-14-16-18-20-22-24                                                                                            |    |   |    |

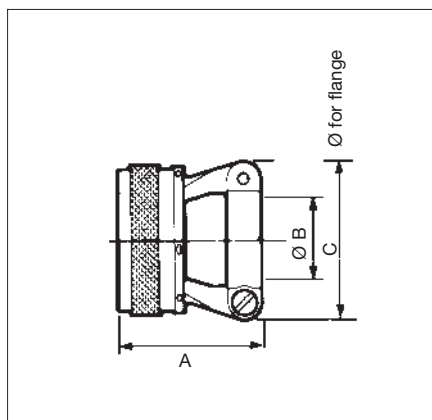
| Shells | A Max         | B Max         | C Max         | D           | E Max         | F Max       | L1           | L2           |
|--------|---------------|---------------|---------------|-------------|---------------|-------------|--------------|--------------|
| 8      | 19<br>.748    | 14.25<br>.561 | 14.8<br>.583  | 3.5<br>.138 | 16.8<br>.661  | 15<br>.591  | 84<br>3.307  | 84<br>3.307  |
| 10     | 21.8<br>.858  | 14.25<br>.561 | 18<br>.709    | 3.5<br>.138 | 19.8<br>.78   | 15<br>.591  | 84<br>3.307  | 84<br>3.307  |
| 12     | 26.1<br>1.028 | 14.25<br>.561 | 22.7<br>.894  | 3.5<br>.138 | 23.9<br>.941  | 15<br>.591  | 100<br>3.937 | 100<br>3.937 |
| 14     | 29.3<br>1.154 | 14.25<br>.561 | 25.9<br>1.02  | 3.5<br>.138 | 27<br>1.063   | 15<br>.591  | 100<br>3.937 | 100<br>3.937 |
| 16     | 32.5<br>1.28  | 15<br>.591    | 29<br>1.142   | 3.5<br>.138 | 30.2<br>1.189 | 15<br>.591  | 100<br>3.937 | 100<br>3.937 |
| 18     | 35.3<br>1.39  | 15<br>.591    | 32.2<br>1.268 | 3.5<br>.138 | 33.4<br>1.315 | 15<br>.591  | 100<br>3.937 | 100<br>3.937 |
| 20     | 38.8<br>1.528 | 14.25<br>.561 | 35.4<br>1.394 | 3.5<br>.138 | 36.5<br>1.437 | 16.5<br>.65 | 116<br>4.567 | 116<br>4.567 |
| 22     | 42<br>1.654   | 15<br>.591    | 38.6<br>1.520 | 3.5<br>.138 | 39.8<br>1.567 | 16.5<br>.65 | 116<br>4.567 | 116<br>4.567 |
| 24     | 45.1<br>1.776 | 15.8<br>.622  | 41.7<br>1.642 | 3.5<br>.138 | 42.9<br>1.689 | 16.5<br>.65 | 116<br>4.567 | 116<br>4.567 |

|        |             | Part number |                |               |              |                |                |              |  |
|--------|-------------|-------------|----------------|---------------|--------------|----------------|----------------|--------------|--|
| Shells | olive green | nickel      | A Max          | B Max         | C            | D Max          | E              | F            |  |
| 8      | 8526-0708   | 8526-07N08  | 12.03<br>.474  | 11.7<br>.461  | 1.35<br>.053 | 21<br>.827     | 15.09<br>.594  | 3.1<br>.122  |  |
| 10     | 8526-0710   | 8526-07N10  | 15.01<br>.591  | 11.7<br>.461  | 1.35<br>.053 | 24.2<br>.953   | 18.26<br>.719  | 3.1<br>.122  |  |
| 12     | 8526-0712   | 8526-07N12  | 19.07<br>.751  | 11.7<br>.461  | 1.35<br>.053 | 26.55<br>1.045 | 20.62<br>.812  | 3.1<br>.122  |  |
| 14     | 8526-0714   | 8526-07N14  | 22.25<br>.876  | 11.7<br>.461  | 1.35<br>.053 | 29<br>1.142    | 23.01<br>.906  | 3.1<br>.122  |  |
| 16     | 8526-0716   | 8526-07N16  | 25.42<br>1.001 | 11.7<br>.461  | 1.35<br>.053 | 31.3<br>1.232  | 24.61<br>.969  | 3.1<br>.122  |  |
| 18     | 8526-0718   | 8526-07N18  | 28.6<br>1.126  | 11.7<br>.461  | 1.35<br>.053 | 33.7<br>1.327  | 26.97<br>1.062 | 3.1<br>.122  |  |
| 20     | 8526-0720   | 8526-07N20  | 31.77<br>1.251 | 14.35<br>.565 | 2.15<br>.085 | 36.9<br>1.453  | 29.36<br>1.156 | 3.1<br>.122  |  |
| 22     | 8526-0722   | 8526-07N22  | 34.95<br>1.376 | 14.35<br>.565 | 2.15<br>.085 | 40<br>1.575    | 31.75<br>1.250 | 3.1<br>.122  |  |
| 24     | 8526-0724   | 8526-07N24  | 38.12<br>1.501 | 15.2<br>.598  | 2.15<br>.085 | 43.3<br>1.705  | 34.92<br>1.375 | 3.75<br>.148 |  |

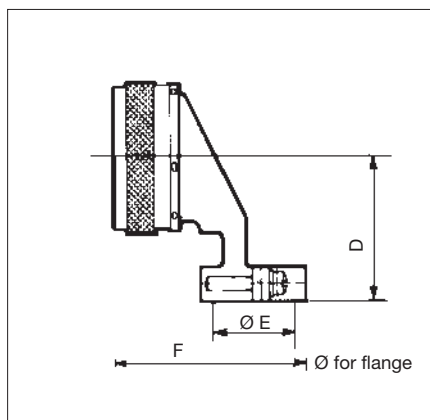
# MIL-C 26482G Series II



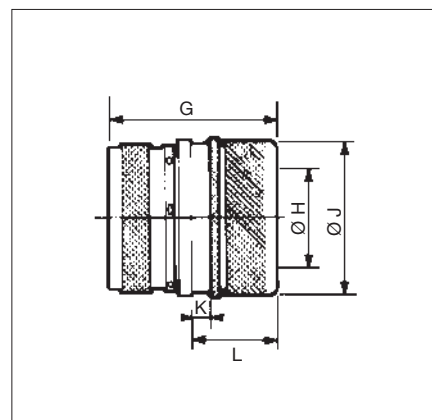
**Straight cable clamp type 02**



**Elbow cable clamp type 03**



**Backshell with shield termination and heatshrink sleeving type 32**



| Shells | A Max          | B             |                | C Max         | D Max         | E             |                | F Max          | G Max         | H Max         | J Max         | K Max       | L Max      |
|--------|----------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|---------------|-------------|------------|
|        |                | mini          | Max            |               |               | mini          | Max            |                |               |               |               |             |            |
| 8      | 22.25<br>.876  | 4<br>.157     | 5.85<br>.230   | 19.1<br>.752  | 20<br>.787    | 4<br>.157     | 5.85<br>.230   | 25<br>.984     | 29<br>1.142   | 7.5<br>.295   | 18.2<br>.717  | 3.7<br>.146 | 15<br>.591 |
| 10     | 22.25<br>.876  | 6.85<br>.27   | 8.7<br>.343    | 20.3<br>.799  | 22.2<br>.874  | 6.85<br>.27   | 8.7<br>.343    | 27.9<br>1.098  | 29<br>1.142   | 9.7<br>.382   | 19.2<br>.756  | 3.7<br>.146 | 15<br>.591 |
| 12     | 22.25<br>.876  | 10.15<br>.400 | 12<br>.472     | 23.5<br>.925  | 24<br>.945    | 10.15<br>.400 | 12<br>.472     | 31.2<br>1.228  | 29<br>1.142   | 13<br>.512    | 24.2<br>.953  | 3.7<br>.146 | 15<br>.591 |
| 14     | 27.45<br>1.081 | 11.7<br>.461  | 16.75<br>.659  | 25.5<br>1.004 | 24.5<br>.965  | 11.7<br>.461  | 16.75<br>.659  | 32.8<br>1.291  | 29<br>1.142   | 15<br>.591    | 27.2<br>1.071 | 3.7<br>.146 | 15<br>.591 |
| 16     | 27.45<br>1.081 | 15.5<br>.610  | 20.55<br>.809  | 29.5<br>1.161 | 27<br>1.063   | 15.5<br>.610  | 20.55<br>.809  | 36.5<br>1.437  | 29<br>1.142   | 18.3<br>.720  | 30.2<br>1.189 | 3.7<br>.146 | 15<br>.591 |
| 18     | 27.45<br>1.081 | 17.5<br>.689  | 22.55<br>.888  | 32.3<br>1.272 | 28.6<br>1.126 | 17.5<br>.689  | 22.55<br>.888  | 38.5<br>1.516  | 29.3<br>1.154 | 21<br>.827    | 33.2<br>1.307 | 3.7<br>.146 | 15<br>.591 |
| 20     | 27.45<br>1.081 | 20.7<br>.815  | 25.75<br>1.014 | 36<br>1.417   | 30.1<br>1.185 | 20.7<br>.815  | 25.75<br>1.014 | 41.80<br>1.646 | 29.3<br>1.154 | 23.5<br>.925  | 36.3<br>1.429 | 3.7<br>.146 | 15<br>.591 |
| 22     | 27.45<br>1.081 | 23.9<br>.941  | 28.95<br>1.140 | 39<br>1.535   | 31.9<br>1.256 | 23.9<br>.941  | 28.95<br>1.140 | 45<br>1.772    | 29.3<br>1.154 | 26.5<br>1.043 | 39.5<br>1.555 | 3.7<br>.146 | 15<br>.591 |
| 24     | 27.45<br>1.081 | 27<br>1.063   | 32.05<br>1.262 | 42.7<br>1.681 | 33.4<br>1.315 | 27<br>1.063   | 32.05<br>1.262 | 48<br>1.890    | 29.3<br>1.154 | 30<br>1.181   | 42.6<br>1.677 | 3.7<br>.146 | 15<br>.591 |



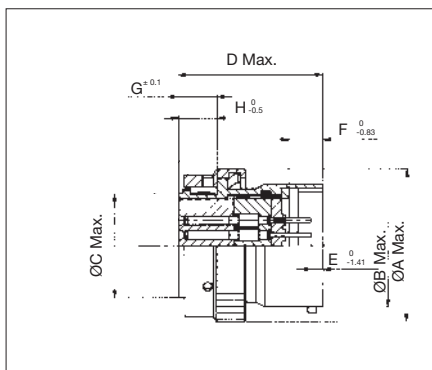
# MIL-C 26482G Series II

## Male - Female Saver

### Ordering information

|                 |                                                                                |    |   |    |   |    |    |    |    |
|-----------------|--------------------------------------------------------------------------------|----|---|----|---|----|----|----|----|
| basic series    | SN 1206-                                                                       | ** | - | ** | - | S* | -* | -* | -* |
| shell size      | 08-10-12-14-16-18-20-22-24                                                     |    |   |    |   |    |    |    |    |
| contact layout  | standard # 20 contact layout                                                   |    |   |    |   |    |    |    |    |
| contact type    | Pin / Socket (socket on locking ring side)                                     |    |   |    |   |    |    |    |    |
| plating         | <b>W</b> - olive green<br><b>N</b> - black                                     |    |   |    |   |    |    |    |    |
| shielding       | <b>B</b> - with<br><b>O</b> - without                                          |    |   |    |   |    |    |    |    |
| blocking system | <b>B</b> - heatshrink sleeve<br><b>F</b> - floating ring<br><b>Q</b> - without |    |   |    |   |    |    |    |    |

## Dimensions



| Shell size | Contact layouts | Polarization  | A Max          | B Max          | C Max          | D Max          | E            | F            | G             | H             | I Max          |
|------------|-----------------|---------------|----------------|----------------|----------------|----------------|--------------|--------------|---------------|---------------|----------------|
| 8          | 3A, 33          | N, W          | 19.03<br>.749  | 12.03<br>.474  | 9.09<br>.358   | 33.90<br>1.335 | 2.68<br>.106 | 8.38<br>.330 | 9.10<br>.358  | 9.06<br>.357  | 21.70<br>.854  |
| 10         | 6               | N, W          | 21.83<br>.859  | 15.01<br>.591  | 12.34<br>.486  | 33.90<br>1.335 | 2.68<br>.106 | 8.38<br>.330 | 9.10<br>.358  | 9.06<br>.357  | 24.50<br>.965  |
| 12         | 10              | N, W, X, Y, Z | 26.13<br>1.029 | 19.07<br>.751  | 15.19<br>.598  | 33.90<br>1.335 | 2.68<br>.106 | 8.38<br>.330 | 9.10<br>.358  | 9.06<br>.357  | 28.80<br>1.134 |
| 14         | 19              | N, W, X, Y    | 29.33<br>1.155 | 22.25<br>.876  | 18.36<br>.723  | 33.90<br>1.335 | 2.68<br>.106 | 8.38<br>.330 | 9.10<br>.358  | 9.06<br>.357  | 32.00<br>1.260 |
| 16         | 26              | N, W, X, Y, Z | 32.53<br>1.281 | 25.42<br>1.001 | 21.54<br>.848  | 33.90<br>1.335 | 2.68<br>.106 | 8.38<br>.330 | 9.10<br>.358  | 9.06<br>.357  | 35.20<br>1.386 |
| 18         | 32              | N, W, X, Y, Z | 35.33<br>1.391 | 28.60<br>1.126 | 24.08<br>.948  | 33.90<br>1.335 | 2.68<br>.106 | 8.38<br>.330 | 9.10<br>.358  | 9.06<br>.357  | 38.00<br>1.496 |
| 20         | 41              | N, W, X, Y    | 38.83<br>1.529 | 31.77<br>1.251 | 27.25<br>1.073 | 35.50<br>1.398 | 4.28<br>.169 | 9.98<br>.393 | 10.70<br>.421 | 10.64<br>.419 | 41.50<br>1.634 |
| 22         | 55              | N, W, X, Y, Z | 42.03<br>1.655 | 34.95<br>1.376 | 30.43<br>1.198 | 35.50<br>1.398 | 4.28<br>.169 | 9.98<br>.393 | 10.70<br>.421 | 10.64<br>.419 | 44.70<br>1.760 |
| 24         | 61              | N, W, X, Y, Z | 45.13<br>1.777 | 38.12<br>1.501 | 33.60<br>1.323 | 35.50<br>1.398 | 4.28<br>.169 | 9.98<br>.393 | 10.70<br>.421 | 10.64<br>.419 | 47.80<br>1.882 |

# MIL-C 26482G Series II



## Tooling for basic series 8526 and 8525 extraction of unwired contacts

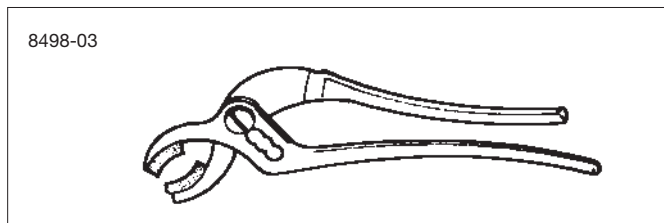
| contacts size | part numbers |
|---------------|--------------|
| 20            | 8522-56      |
| 16            | 8522-57      |
| 12            | 8522-58      |

### filler plugs

| contacts size | part numbers | colour |
|---------------|--------------|--------|
| 20            | MS 27488-20  | red    |
| 16            | MS 27488-16  | blue   |
| 12            | MS 27488-12  | yellow |

These filler plugs are installed at the rear of unwired contacts to maintain connector sealing

Backshell tightening pliers, part number : 8498-03  
Square jaws, part number : 8500-1015 (order 2 jaws)



Strap backshell tightening spanner  
par number : 8498-04

Square strap : 8498-103

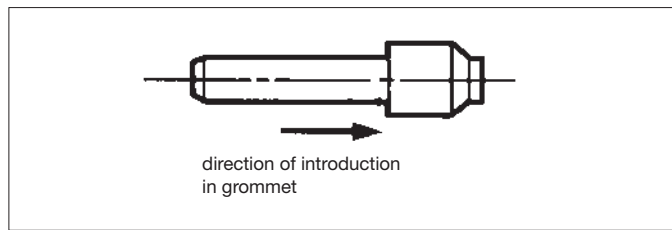
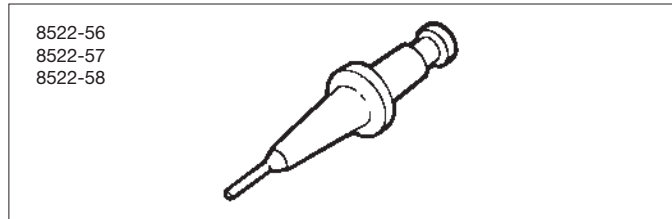
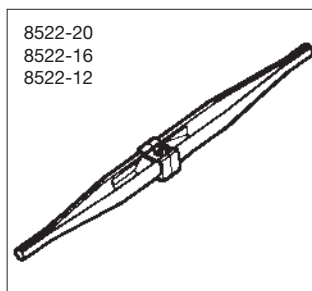
### crimping (contact size : 20, 16 and 12)

| contacts<br>size | wire sizes      |     | part numbers                                      |                                                      |
|------------------|-----------------|-----|---------------------------------------------------|------------------------------------------------------|
|                  | mm <sup>2</sup> | AWG | crimping tools                                    | locators                                             |
| 20               | 0.93*           | 18* | 8365 (M22520/1-01)<br>or<br>8476-01 (M22520/2-01) | 8365-02 (M22520/1-02)<br>or<br>8476-02 (M22520/2-01) |
|                  | 0.60            | 20  |                                                   |                                                      |
|                  | 0.38            | 22  |                                                   |                                                      |
|                  | 0.21            | 24  |                                                   |                                                      |
| 16               | 1.91*           | 14* | 8365 (M22520/1-01)                                | 8365-02 (M22520/1-02)                                |
|                  | 1.34            | 16  |                                                   |                                                      |
|                  | 0.93            | 18  |                                                   |                                                      |
|                  | 0.60            | 20  |                                                   |                                                      |
| 12               | 3.18            | 12  | 8365 (M22520/1-01)                                | 8365-02 (M22520/1-02)                                |
|                  | 1.91            | 14  |                                                   |                                                      |

### insertion and extraction of wired contacts

disposable plastic tool  
- colored tip. for insertion  
- white tip. for extraction

| contacts size | part numbers  | colours |
|---------------|---------------|---------|
| 20            | M 81969-14-11 | red     |
| 16            | M 81969-14-03 | blue    |
| 12            | M 81969-14-04 | yellow  |



Tightening support, part number : 8500-30

