

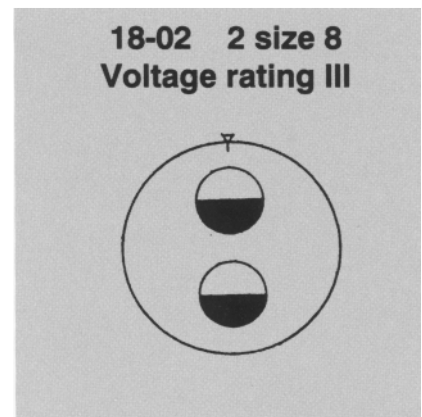
# 62GB- Series

Miniature Bayonet Lock Connectors  
Designed to meet MIL-C-26482



# Amphenol

# 62GB and Pattern 608 New Planforms



## Current:

- (a) Maximum current per individual contact (in isolation)\* at ambient temperature of 85°C  
Contact size 12: 23 A
- (b) Maximum current per contact through all contacts simultaneously at an ambient temperature of 85°C  
Contact size 12: 20 A

## Current:

- (a) Maximum current per individual contact (in isolation)\* at ambient temperature of 85°C  
Contact size 8: 45 A
- (b) Maximum current per contact through all contacts simultaneously at an ambient temperature of 85°C  
Contact size 8: 40 A

|                                                         | Sea level<br>1013 mbar † |      |      | 8500m (27,900ft)<br>320 mbar |      |      | 21,340m (70,000ft)<br>44 mbar |     |     |
|---------------------------------------------------------|--------------------------|------|------|------------------------------|------|------|-------------------------------|-----|-----|
| Voltage rating                                          | I                        | II   | III  | I                            | II   | III  | I                             | II  | III |
| Working voltages **<br>(nominal)                        | 700                      | 1200 | 1500 | 550                          | 650  | 800  | 330                           | 380 | 450 |
| d.c. or a.c. peak<br>Voltage proof<br>d.c. or a.c. peak | 2100                     | 3000 | 3000 | 1100                         | 1300 | 1300 | 660                           | 760 | 750 |

\* i.e. when only one contact per connector is electrically loaded.

† 1 mbar=10<sup>2</sup> N/m<sup>2</sup>=100 Pa

\*\* Establishment of electrical safety factors is the responsibility of the user

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# Amphenol® 62GB solder connectors

This miniature bayonet lock connector series offers designers important features not found in any other range of connectors.

62GB Series connectors – compliant to the United States Military Specification MIL-C-26482E on certificate No. 1713. They are the first and only British connectors to have achieved this. A doubly strong position which Amphenol are well geared to handle. The manufacturing facilities of the Whitstable plant have been cited as exemplary in Europe. Certainly the layout is extensive and extremely efficient.

62GB Series connectors have been well established with Government authorities on an international scale and users can be found in Sweden, Denmark, Norway, Finland, Germany, Spain, Holland, India, Canada and Italy.

## Derating

Connectors must be derated under the following operating conditions:

1. At elevated ambient temperatures, the current ratings are reduced so that total maximum hot spot temperature of 125°C is not exceeded.
2. At high altitudes, revised voltage ratings become effective as shown on page 7.
3. When connectors to different specifications are intermated, the combination must not be operated under conditions more severe than the less stringent clause of either specification.

## Basic Construction

62GB Series can be supplied in brass or stainless steel.

The normal shell finish used, which has a high resistance to corrosion, is zinc cobalt olive drab. Other finishes may be supplied to special order, such as cadmium plate which is available by adding deviation (714) to the end of part number. For other finishes available, please see part number breakdown

Inserts are of polychloroprene rubber compounded to an Amphenol specification. Operating temperature range is -55°C to 125°C, and the connectors have gold-plated contacts designed for soldered connections. Configurations for size 20 contacts range between 2 contacts in the size 8 12.7mm (0.5in diameter) shell up to a maximum of 61 contacts in the size 2436.1 mm (1.5in diameter) shell. Intermediate sizes, and contact data for heavier current ratings are shown in the insert availability chart on page 6 and 7.

Hermetic connectors with glass sealed dielectric are manufactured with mild steel shells and nickel iron contacts plated tin over copper.

\* Other finishes are available on request.

## Protection Against Mis-Mating or Cross-Plugging

Positive shell-to-shell keying is provided with keys and keyways in a choice of either the normal (N) or any of the four preferred alternate positions: B, C, E and F. This prevents mismating between shells of different orientations and overcomes the difficulties associated with rotated inserts and a standard key-keyway orientation. In the latter system, damage to the inserts or contacts can result if excessive force is used to engage non-mating pairs.

Rotated inserts are available in positions w, x, y and z. These are to be requested via the part number configuration. See part number breakdown.

# Schedule of Tests

## Required for Qualification Approval

| Tests                                                                               | Brief Description                                                                                                                                                                  |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Visual Examination</b>                                                           |                                                                                                                                                                                    |
| <b>Dimensions, outline mass(including contacts) Compatibility Gauging procedure</b> |                                                                                                                                                                                    |
| <b>Polarization</b>                                                                 |                                                                                                                                                                                    |
| <b>Engaging and separating force, connector</b>                                     | Engagement max: 0,90 Nm (8.0 lbf.in.) to 4,97 Nm (44 lbf.in.) according to shell size.<br>Separation min: 0,22 Nm (2.0 lbf.in.) to 1,58 Nm (14.0 lbf.in.) according to shell size. |
| <b>Contact Holding Force</b>                                                        | 0,21 N (0.047 lbf) min.size 20<br>0,56 N (0.126 lbf)min. size 16                                                                                                                   |
| <b>Sealing (air pressure)</b>                                                       | Max leakage 28,53 uNm/s (1 cm3/h), 1 bar (14.5 p.s.i.) differential.                                                                                                               |
| <b>Sealing Hermetic</b>                                                             | Hermetic receptacles have a max leak of 0.1 micron cubic foot per hour (1 x 10-6Cm3/s)                                                                                             |
| <b>Contact Resistance</b>                                                           | 5 milliohms max.                                                                                                                                                                   |
| <b>Housing (Shell) Continuity</b>                                                   | 200 milliohms max. 5 milliohms max. grounding spring styles. Plating dependant.                                                                                                    |
| <b>Insulation Resistance</b>                                                        | 5,000 Megaohms at 500 - 50 V d.c.                                                                                                                                                  |
| <b>Voltage Proof</b>                                                                | See page 7. Duration 1 minute                                                                                                                                                      |
| <b>Soldering</b>                                                                    | As BS 9520: 1983, Clause 1.2.6.7, Method 2. Bit temperature of +350°C                                                                                                              |
| <b>Bumping</b>                                                                      | As BS 9520: 1983, Clause 1.2.6.2. 4,000 -10 bumps / 390m / s2 (40 gn).                                                                                                             |
| <b>Sine Vibration</b>                                                               | As BS 9520: 1983, Clause 1.2.6.3. Procedure A. 10 Hz to 5000 Hz, 0.75 mm / 10 gn.                                                                                                  |
| <b>Shock</b>                                                                        | As BS 9520: 1983, Clause 1.2.6.4. 981 m/s2 (100 g n).                                                                                                                              |
| <b>Acceleration (Steady State)</b>                                                  | As BS 9520: 1983, Clause 1.2.6.5. 490 m/s2 (50 gn).                                                                                                                                |
| <b>Rapid Change of Temperature</b>                                                  | As BS 9520: 1983, Clause 1.2.6.8. -55°C to +125°C one hour at each temperature = 1 cycle. 5 cycles to be completed                                                                 |
| <b>Climatic Sequence</b>                                                            | As BS 9520: 1983, Clause 1.2.6.12. Severity 55/125/56.                                                                                                                             |
| <b>Flammability</b>                                                                 | As BS 9520: 1983, Clause 1.2.6.9. Direct flame applied, duration 1 minute.                                                                                                         |
| <b>Damp Heat (Steady State)</b>                                                     | As BS 9520: 1983, Clause 1.2.6.15. Severity 56 days.                                                                                                                               |

# Schedules of Tests Required for Qualification Approval

| Tests                                                                    | Brief Description                                                                                                                    |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immersion (at low air pressure)</b>                                   | 3 cycles at 30 mins each cycle, total immersion in water at pressure 44 m bar.                                                       |
| <b>Mechanical Endurance</b>                                              | 500 operations minimum                                                                                                               |
| <b>High Temperature Endurance</b>                                        | Long term: 1,000 hrs. at 850 C ambient carrying the specified current. Short term: 250 hrs at 1250 C, no current.                    |
| <b>Mould Growth</b>                                                      | As BS 9520: 1983, Clause 1.2.6.15. 28 days duration.                                                                                 |
| <b>Salt Mist (plating dependant)</b>                                     | As BS 9520: 1983, Clause 1.2.6.17. Severity 1. Four spray periods of 2 hours with a humidity storage period of seven days after each |
| <b>Dust</b>                                                              | As BS 9520: 1983, Clause 1.2.6.18. Exposure 30 minutes.                                                                              |
| <b>Robustness of Terminations</b>                                        | 44,5 N (101bf) size 16<br>22,2 N (5 lbf) size 20                                                                                     |
| <b>Contact Retention (in insert)</b>                                     | 67,0 N (15 lbf) min. size 20<br>112,0 N (25 lbf) min. size 16 and above                                                              |
| <b>Insert Retention (in shell)</b>                                       | 517 KN1m2 (751bf/in 2 min.                                                                                                           |
| <b>Test Prod Damage</b>                                                  | Moment: 0,056 Nm (0.5 lbf in) size 20<br>0,225 Nm (2 lbf in) size 16                                                                 |
| <b>Impact</b>                                                            | Five impacts, drop height 1 m (3ft.3 in.).                                                                                           |
| <b>Grounding Spring Holding Force Plugs with grounding springs only.</b> | 1,17 N (0.263 lbf) to 2,74 N (0.616 lbf) according to size.                                                                          |
| <b>Fluid Resistance</b>                                                  | Immersion in 4 solvents and 9 fluids including aircraft fuels, lubricating oils and hydraulic fluids.                                |
| <b>Compass Safe Distance</b>                                             | As BS 9520: 1983, Clause 1.2.5.12. 127 mm (5.0 in) min.                                                                              |

# Connector Styles Available

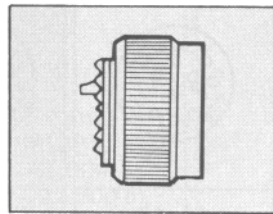


# Connector Styles Available

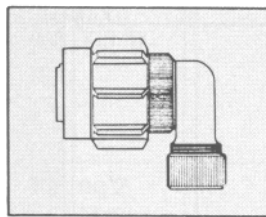
## Plugs



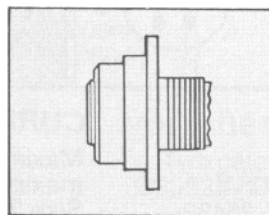
**Straight Plug**  
See Pages 34-37



**Grounded Plug**  
See Page 34



**Audio Plug**  
See Page 38



**Push on - Pull off**  
See Page 39

**Accessories**  
See Pages 40-55



# Insert Availability

| 8                | 10              | 12               | 14                | 16                | 18               | 20               |
|------------------|-----------------|------------------|-------------------|-------------------|------------------|------------------|
| <b>8-2*</b><br>  | <b>10-6</b><br> | <b>12-10</b><br> | <b>14-12†</b><br> | <b>16-23*</b><br> | <b>18-32</b><br> | <b>20-41</b><br> |
| <b>8-3*</b><br>  | <b>10-7</b><br> |                  | <b>14-15</b><br>  | <b>16-26</b><br>  |                  |                  |
| <b>8-3 3</b><br> |                 |                  | <b>14-19</b><br>  |                   |                  |                  |
| <b>8-4*</b><br>  |                 |                  |                   |                   |                  |                  |
| <b>8-98</b><br>  | <b>10-2</b><br> | <b>12-3</b><br>  | <b>14-5</b><br>   | <b>16-8</b><br>   | <b>18-11</b><br> | <b>20-16</b><br> |

## NOTES

\* This insert arrangement is not included in B.S. spec., but is available and listed in MIL-C-26482.

† Due to the arrangement of contacts in the 14-12 insert arrangement it is classified, for current derating, in the shell size range 18-24.

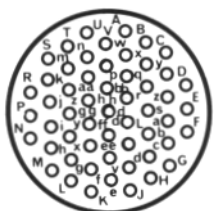
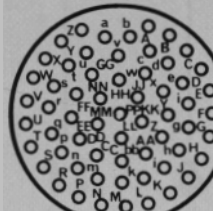
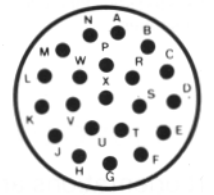
Lettering of inserts shown above corresponds to view of front (mating surface of pin inserts or rear face (cable accessory end) of socket inserts.

KEY ● No 16 size contacts  
○ No 20 size contacts

## CURRENT RATING

Maximum current per individual contact (in isolation) at a maximum ambient temperature of 85°C: Size 20 contact 7.5A Size 16 contact 13A The performance of 62GB Series connectors at all times exceeds the maximum continuous bunched rating of the appropriate size wire, or cable of equivalent temperature rating. This bunched rating is therefore the determining factor. In the case of mixed loadings, the greatest individual load shall be the bunched loading. In any combination of ambient temperature plus temperature rise due to current flow through the contacts, the maximum connector internal hot spot temperature of 125°C must not be exceeded. That is, when only one contact per connector is loaded.

## Insert Availability

|                                                                                                                                                 |                                                                                                       | VOLTAGE RATINGS                                                                                                                                |                                  |                                      |                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------|------------------------------------------|
| 22                                                                                                                                              | 24                                                                                                    | ALTITUDE                                                                                                                                       | D.C.<br>WORKING<br>VOLTAGE       | A.C.<br>WORKING<br>VOLTAGE<br>R.M.S. | PROOF<br>VOLTAGE<br>D.C. OR A.C.<br>PEAK |
| <b>22-55</b><br><br>                                           | <b>24-61</b><br><br> | <p><b>Rating 1</b><br/>Sea level</p> <p>300 mb at<br/>20°C<br/>8,500m<br/>(27,800 ft)</p> <p>44 mb at<br/>20°C<br/>20,000m<br/>(66,000 ft)</p> | <p>700</p> <p>550</p> <p>330</p> | <p>500</p> <p>390</p> <p>230</p>     | <p>2100</p> <p>1100</p> <p>660</p>       |
| <b>22-21</b><br><br><br>† Available to special<br>order only |                                                                                                       | <p><b>Rating 2</b><br/>Sea level<br/>300 mb at<br/>20°C<br/>8,500m<br/>(27,800 ft)<br/>44 mb at<br/>20°C<br/>20,000m<br/>(66,000 ft)</p>       | <p>120</p> <p>650</p> <p>380</p> | <p>850</p> <p>460</p> <p>270</p>     | <p>3000</p> <p>1300</p> <p>760</p>       |



## VOLTAGE RATINGS

Two categories of voltage rating are specified in BS9522 F0017, F0038 and N0001.

**Rating 1** (700V d.c. working at sea-level) Applicable to the high contact density inserts shown in the upper section of the insert availability diagram above.

**Rating 2** (1200V d.c. working at sea-level) Applicable to the inserts shown in the lower section of the insert availability diagram.

**Altitude derating.** Information on voltage derating for operation at altitudes above sea-level can be obtained from the flashover voltage altitude curves on the left.

# Ordering 62GB Series Connectors

To obtain the specific connector required write down the connector number from the typical example below. Only inserts shown in the availability chart on p. 10&11 can be specified. All connectors are delivered with protective dust covers



## HOW TO ORDER FROM MS CONNECTOR NUMBERS

Connector numbers in the AMPHENOL and MS numbering systems. Only alternative insert orientations are specified in MIL-C-26482 which does not include alternative key/keyway orientations.

|      |   |    |   |        |   |   |
|------|---|----|---|--------|---|---|
| MS31 | - | 14 | E | 18 -11 | P | X |
| 62GB | - | 14 | E | 18 -11 | P | X |

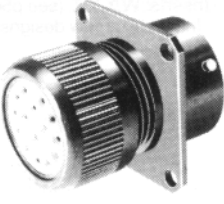
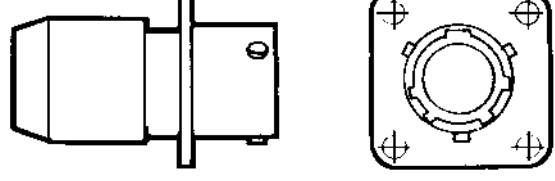
# Ordering 62GB Series Connectors



# Box Mounting Receptacles

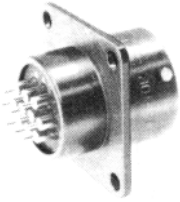
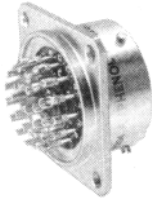
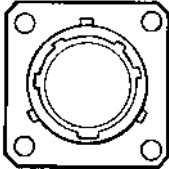
## Table of Styles

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# Box Mounting Receptacles Table of Styles

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# Box Mounting Receptacles



50T



62GB-50T

4-hole flange mounting with threaded shell to accept standard cable accessories.



| Shell Size | A max          | B<br>± 0.005<br>(± 0.13) | C<br>max<br>sq. | D<br>TP<br>Sq. | E dia.<br>± 0.010<br>(± 0.254) | F<br>± 0.005<br>(± 0.13) | G<br>dia<br>max. | Y<br>dia.<br>max. | X<br>Thread     |
|------------|----------------|--------------------------|-----------------|----------------|--------------------------------|--------------------------|------------------|-------------------|-----------------|
| 08         | 0.978<br>24.84 | 0.062<br>1.58            | 0.817<br>20.75  | 0.594<br>15.09 | 0.120<br>3.05                  | 0.445<br>11.3            | 0.434<br>11.02   | 0.473<br>12.02    | 7/16 - 28 UNEF  |
| 10         | 0.978<br>24.84 | 0.062<br>1.58            | 0.942<br>23.93  | 0.719<br>18.26 | 0.120<br>3.05                  | 0.445<br>11.3            | 0.558<br>14.17   | 0.590<br>14.99    | 9/16 - 24 NEF   |
| 12         | 0.978<br>24.84 | 0.062<br>1.58            | 1.036<br>26.32  | 0.812<br>20.63 | 0.120<br>3.05                  | 0.445<br>11.3            | 0.683<br>17.35   | 0.750<br>19.05    | 11/16 - 24 NEF  |
| 14         | 0.978<br>24.84 | 0.062<br>1.58            | 1.130<br>28.70  | 0.906<br>23.10 | 0.120<br>3.05                  | 0.445<br>11.3            | 0.808<br>20.52   | 0.875<br>22.23    | 13/16 - 20 UNEF |
| 16         | 0.978<br>24.84 | 0.062<br>1.58            | 1.223<br>31.07  | 0.969<br>24.61 | 0.120<br>3.05                  | 0.445<br>11.3            | 0.933<br>23.7    | 1.000<br>25.4     | 15/16 - 20 UNEF |
| 18         | 0.978<br>24.84 | 0.062<br>1.58            | 1.317<br>33.45  | 1.062<br>26.58 | 0.120<br>3.05                  | 0.445<br>11.3            | 1.057<br>26.85   | 1.125<br>28.58    | 1.1/16 - 18 NEF |
| 20         | 1.048<br>26.62 | 0.080<br>2.03            | 1.442<br>36.63  | 1.156<br>29.36 | 0.120<br>3.05                  | 0.555<br>14.10           | 1.182<br>30.02   | 1.250<br>31.75    | 1.3/16 - 18 NEF |
| 22         | 1.048<br>26.62 | 0.080<br>2.03            | 1.567<br>39.80  | 1.250<br>31.75 | 0.120<br>3.05                  | 0.555<br>14.10           | 1.307<br>33.20   | 1.375<br>34.93    | 1.5/16 - 18 NEF |
| 24         | 1.048<br>26.62 | 0.080<br>2.03            | 1.692<br>42.98  | 1.375<br>34.93 | 0.147<br>3.73                  | 0.590<br>14.99           | 1.432<br>36.37   | 1.500<br>38.1     | 1.7/16 - 18 NEF |

10A



62GB-10A

4-Hole flange mounting with general duty back shell. No grommet supplied.



| Shell Size | A max.         | B<br>± 0.005<br>(± 0.13) | C<br>Max.<br>sq. | D<br>TP<br>Sq. | E<br>± 0.010<br>(± 0.254) | F<br>± 0.005<br>(± 0.13) | G<br>dia<br>max. | Y<br>dia.<br>max. | M               |
|------------|----------------|--------------------------|------------------|----------------|---------------------------|--------------------------|------------------|-------------------|-----------------|
| 08         | 1.624<br>41.25 | 0.062<br>1.58            | 0.817<br>20.75   | 0.594<br>15.09 | 0.120<br>3.05             | 0.445<br>11.3            | 0.561<br>14.25   | 0.473<br>12.02    | 1/2 - 28 UNEF   |
| 10         | 1.624<br>41.25 | 0.062<br>1.58            | 0.942<br>23.93   | 0.719<br>18.26 | 0.120<br>3.05             | 0.445<br>11.3            | 0.686<br>17.43   | 0.590<br>14.99    | 5/8 - 24 NEF    |
| 12         | 1.624<br>41.25 | 0.062<br>1.58            | 1.036<br>26.32   | 0.812<br>20.63 | 0.120<br>3.05             | 0.445<br>11.3            | 0.811<br>20.60   | 0.750<br>19.05    | 3/4 - 20 UNEF   |
| 14         | 1.624<br>41.25 | 0.062<br>1.58            | 1.130<br>28.70   | 0.906<br>23.10 | 0.120<br>3.05             | 0.445<br>11.3            | 0.936<br>23.78   | 0.875<br>22.23    | 7/8 - 20 UNEF   |
| 16         | 1.624<br>41.25 | 0.062<br>1.58            | 1.223<br>31.07   | 0.969<br>24.61 | 0.120<br>3.05             | 0.445<br>11.3            | 1.061<br>26.98   | 1.000<br>25.4     | 1 - 20 UNEF     |
| 18         | 1.624<br>41.25 | 0.062<br>1.58            | 1.317<br>33.45   | 1.062<br>26.58 | 0.120<br>3.05             | 0.445<br>11.3            | 1.186<br>30.12   | 1.125<br>28.58    | 1.3/16 - 18 NEF |
| 20         | 1.687<br>42.85 | 0.080<br>2.03            | 1.442<br>36.63   | 1.156<br>29.36 | 0.120<br>3.05             | 0.555<br>14.10           | 1.311<br>33.30   | 1.250<br>31.75    | 1.3/16 - 18 NEF |
| 22         | 1.687<br>42.85 | 0.080<br>2.03            | 1.567<br>39.80   | 1.250<br>31.75 | 0.120<br>3.05             | 0.555<br>14.10           | 1.436<br>36.47   | 1.375<br>34.93    | 1.7/16 - 18 NEF |
| 24         | 1.730<br>43.94 | 0.080<br>2.03            | 1.692<br>42.98   | 1.375<br>34.93 | 0.147<br>3.73             | 0.590<br>14.99           | 1.561<br>39.65   | 1.500<br>38.1     | 1.7/16 - 18 NEF |

# Box Mounting Receptacles



**10E**



**62GB-10E**

**MIL-C-26482 MS3110E**

4-hole flange mounting with grommet and grommet nut



| Shell Size | A max          | B<br>± 0.005<br>(± 0.13) | C max sq.      | D TP Sq.       | E<br>± 0.010<br>(± 0.254) | F<br>± 0.005<br>(± 0.13) | G dia max      | V dia. max     |
|------------|----------------|--------------------------|----------------|----------------|---------------------------|--------------------------|----------------|----------------|
| 08         | 1.281<br>32.54 | 0.062<br>1.58            | 0.817<br>20.75 | 0.594<br>15.09 | 0.120<br>3.05             | 0.445<br>11.3            | 0.561<br>14.25 | 0.473<br>12.02 |
| 10         | 1.281<br>32.54 | 0.062<br>1.58            | 0.942<br>23.93 | 0.719<br>18.26 | 0.120<br>3.05             | 0.445<br>11.3            | 0.686<br>17.43 | 0.590<br>14.99 |
| 12         | 1.281<br>32.54 | 0.062<br>1.58            | 1.036<br>26.32 | 0.812<br>20.63 | 0.120<br>3.05             | 0.445<br>11.3            | 0.811<br>20.60 | 0.750<br>19.05 |
| 14         | 1.281<br>32.54 | 0.062<br>1.58            | 1.130<br>28.70 | 0.906<br>23.10 | 0.120<br>3.05             | 0.445<br>11.3            | 0.936<br>23.78 | 0.875<br>22.23 |
| 16         | 1.281<br>32.54 | 0.062<br>1.58            | 1.223<br>31.07 | 0.969<br>24.61 | 0.120<br>3.05             | 0.445<br>11.3            | 1.061<br>26.98 | 1.000<br>25.4  |
| 18         | 1.281<br>32.54 | 0.062<br>1.58            | 1.317<br>33.45 | 1.062<br>26.58 | 0.120<br>3.05             | 0.445<br>11.3            | 1.186<br>30.12 | 1.125<br>28.58 |
| 20         | 1.383<br>35.13 | 0.080<br>2.03            | 1.442<br>36.63 | 1.156<br>29.36 | 0.120<br>3.05             | 0.555<br>14.10           | 1.311<br>33.30 | 1.250<br>31.75 |
| 22         | 1.383<br>35.13 | 0.080<br>2.03            | 1.567<br>39.80 | 1.250<br>31.75 | 0.120<br>3.05             | 0.555<br>14.10           | 1.436<br>36.47 | 1.375<br>34.93 |
| 24         | 1.383<br>35.13 | 0.080<br>2.03            | 1.692<br>42.98 | 1.375<br>34.93 | 0.147<br>3.74             | 0.590<br>14.99           | 1.561<br>39.65 | 1.500<br>38.1  |

**10F**



**62GB-10F**

**MIL-C-26482 MS31 10F**

4-hole flange mounting with grommet and grommet nut fitted with integral strain relief clamp



| Shell Size | A max.         | B<br>± 0.005<br>(± 0.13) | C max sq.      | D TP Sq.       | E<br>± 0.010<br>(± 0.254) | F<br>± 0.005<br>(± 0.13) | G dia max.     | H<br>± 0.005<br>(± 0.13) | Y dia. max.    |
|------------|----------------|--------------------------|----------------|----------------|---------------------------|--------------------------|----------------|--------------------------|----------------|
| 08         | 1.762<br>44.76 | 0.062<br>1.58            | 0.817<br>20.75 | 0.594<br>15.09 | 0.120<br>3.05             | 0.445<br>11.3            | 0.828<br>21.03 | 0.156<br>3.96            | 0.473<br>12.01 |
| 10         | 1.762<br>44.76 | 0.062<br>1.58            | 0.942<br>23.92 | 0.719<br>18.26 | 0.120<br>3.05             | 0.445<br>11.3            | 0.891<br>22.63 | 0.188<br>4.78            | 0.590<br>14.99 |
| 12         | 1.762<br>44.76 | 0.062<br>1.58            | 1.036<br>26.31 | 0.812<br>20.63 | 0.120<br>3.05             | 0.445<br>11.3            | 1.016<br>25.81 | 0.312<br>7.93            | 0.750<br>19.05 |
| 14         | 1.736<br>44.10 | 0.062<br>1.58            | 1.130<br>28.70 | 0.906<br>23.10 | 0.120<br>3.05             | 0.445<br>11.3            | 1.141<br>28.98 | 0.375<br>9.58            | 0.875<br>22.23 |
| 16         | 1.876<br>47.65 | 0.062<br>1.57            | 1.223<br>31.07 | 0.969<br>24.61 | 0.120<br>3.05             | 0.445<br>11.3            | 1.203<br>30.56 | 0.500<br>12.7            | 1.000<br>25.4  |
| 18         | 1.876<br>47.65 | 0.062<br>1.58            | 1.317<br>33.45 | 1.062<br>26.58 | 0.120<br>3.05             | 0.445<br>11.3            | 1.426<br>36.22 | 0.625<br>15.87           | 1.125<br>28.58 |
| 20         | 2.118<br>53.80 | 0.080<br>2.03            | 1.442<br>36.63 | 1.156<br>29.36 | 0.120<br>3.05             | 0.555<br>14.10           | 1.426<br>36.22 | 0.625<br>15.88           | 1.250<br>31.75 |
| 22         | 2.118<br>53.80 | 0.080<br>2.03            | 1.567<br>39.80 | 1.250<br>31.75 | 0.120<br>3.05             | 0.555<br>14.10           | 1.567<br>39.80 | 0.750<br>19.05           | 1.375<br>34.93 |
| 24         | 2.250<br>57.15 | 0.080<br>2.03            | 1.692<br>42.98 | 1.375<br>34.93 | 1.147<br>3.74             | 0.590<br>14.99           | 1.735<br>44.07 | 0.800<br>20.32           | 1.500<br>38.10 |

# Box Mounting Receptacles



**10J**



**62GB-10J**

4-hole flange mounting with clamp for unscreened jacketed cable. No grommet supplied



| Shell Size | A max | B<br>$\pm 0.005$<br>( $\pm 0.13$ ) | c max.sq | D TP sq | E<br>$\pm 0.010$<br>( $\pm 0.254$ ) | F<br>$\pm 0.005$<br>( $\pm 0.13$ ) | G dia. max. | Y dia max | Z Cable Entry min closed | max free |
|------------|-------|------------------------------------|----------|---------|-------------------------------------|------------------------------------|-------------|-----------|--------------------------|----------|
| 08         | 1.846 | 0.062                              | 0.817    | 0.594   | 0.120                               | 0.445                              | 0.561       | 0.473     | 0.168                    | 0.230    |
|            | 46.89 | 1.58                               | 20.75    | 15.09   | 3.05                                | 11.3                               | 14.25       | 12.02     | 4.28                     | 5.84     |
| 10         | 1.846 | 0.062                              | 0.942    | 0.719   | 0.120                               | 0.445                              | 0.686       | 0.590     | 0.205                    | 0.312    |
|            | 46.89 | 1.58                               | 23.93    | 18.26   | 3.05                                | 11.3                               | 17.43       | 14.99     | 5.21                     | 7.93     |
| 12         | 1.947 | 0.062                              | 1.036    | 0.812   | 0.120                               | 0.445                              | 0.811       | 0.750     | 0.338                    | 0.442    |
|            | 49.45 | 1.58                               | 26.32    | 20.63   | 3.05                                | 11.3                               | 20.60       | 19.05     | 8.59                     | 11.23    |
| 14         | 2.147 | 0.062                              | 1.130    | 0.906   | 0.120                               | 0.445                              | 0.936       | 0.875     | 0.416                    | 0.539    |
|            | 54.54 | 1.58                               | 28.70    | 23.10   | 3.05                                | 11.3                               | 23.78       | 22.23     | 10.57                    | 13.69    |
| 16         | 2.347 | 0.062                              | 1.223    | 0.969   | 0.120                               | 0.445                              | 1.061       | 1.000     | 0.550                    | 0.616    |
|            | 59.61 | 1.575                              | 31.07    | 24.61   | 3.05                                | 11.3                               | 26.96       | 25.4      | 13.97                    | 15.65    |
| 18         | 2.547 | 0.062                              | 1.317    | 1.062   | 0.120                               | 0.445                              | 1.186       | 1.125     | 0.600                    | 0.672    |
|            | 64.70 | 1.575                              | 33.45    | 26.58   | 3.05                                | 11.3                               | 30.12       | 28.58     | 15.24                    | 17.07    |
| 20         | 2.831 | 0.080                              | 1.442    | 1.156   | 0.120                               | 0.555                              | 1.311       | 1.250     | 0.635                    | 0.747    |
|            | 71.91 | 2.03                               | 36.63    | 29.36   | 3.05                                | 14.10                              | 33.30       | 31.75     | 16.13                    | 18.98    |
| 22         | 3.031 | 0.080                              | 1.567    | 1.250   | 0.120                               | 0.555                              | 1.436       | 1.375     | 0.670                    | 0.846    |
|            | 76.99 | 2.03                               | 39.80    | 31.75   | 3.05                                | 14.10                              | 36.47       | 34.93     | 17.02                    | 21.49    |
| 24         | 3.074 | 0.080                              | 1.692    | 1.375   | 0.147                               | 0.590                              | 1.561       | 1.500     | 0.740                    | 0.894    |
|            | 78.08 | 2.03                               | 42.98    | 34.93   | 3.73                                | 14.99                              | 39.65       | 38.1      | 18.80                    | 22.71    |

**10P**



**62GB-10P**

4-hole flange mounting for potting



| Shell Size | A max | B<br>$\pm 0.005$<br>( $\pm 0.13$ ) | c max.sq. | D TP sq | E<br>$\pm 0.010$<br>( $\pm 0.254$ ) | F<br>$\pm 0.005$<br>( $\pm 0.13$ ) | G dia. max | Y dia. max | Z dia. min |
|------------|-------|------------------------------------|-----------|---------|-------------------------------------|------------------------------------|------------|------------|------------|
| 08         | 1.453 | 0.062                              | 0.817     | 0.594   | 0.120                               | 0.445                              | 0.572      | 0.473      | 0.260      |
|            | 36.91 | 1.575                              | 20.75     | 15.09   | 3.05                                | 11.3                               | 14.53      | 12.02      | 6.60       |
| 10         | 1.453 | 0.062                              | 0.942     | 0.179   | 0.120                               | 0.445                              | 0.666      | 0.590      | 0.463      |
|            | 36.91 | 1.58                               | 23.93     | 18.26   | 3.05                                | 11.3                               | 16.92      | 14.99      | 11.76      |
| 12         | 1.453 | 0.062                              | 1.036     | 0.812   | 0.120                               | 0.445                              | 0.822      | 0.750      | 0.577      |
|            | 36.91 | 1.58                               | 26.32     | 20.63   | 3.05                                | 11.3                               | 20.88      | 19.05      | 14.15      |
| 14         | 1.453 | 0.062                              | 1.130     | 0.906   | 0.120                               | 0.445                              | 0.907      | 0.875      | 0.590      |
|            | 36.91 | 1.58                               | 28.70     | 23.10   | 3.05                                | 11.3                               | 23.04      | 22.23      | 14.99      |
| 16         | 1.453 | 0.062                              | 1.223     | 0.969   | 0.120                               | 0.445                              | 1.040      | 1.000      | 0.713      |
|            | 36.91 | 1.58                               | 31.07     | 24.61   | 3.05                                | 11.3                               | 26.42      | 25.40      | 18.11      |
| 18         | 1.453 | 0.062                              | 1.317     | 1.062   | 0.120                               | 0.445                              | 1.165      | 1.125      | 0.835      |
|            | 36.91 | 1.58                               | 33.45     | 26.58   | 3.05                                | 11.3                               | 29.60      | 28.58      | 22.21      |
| 20         | 1.672 | 0.080                              | 1.442     | 1.156   | 0.120                               | 0.555                              | 1.285      | 1.250      | 1.015      |
|            | 42.47 | 2.03                               | 36.63     | 29.36   | 3.05                                | 14.10                              | 32.64      | 31.75      | 25.78      |
| 22         | 1.672 | 0.080                              | 1.567     | 1.250   | 0.120                               | 0.555                              | 1.400      | 1.375      | 1.015      |
|            | 42.47 | 2.03                               | 39.80     | 31.75   | 3.05                                | 14.10                              | 35.56      | 34.93      | 25.78      |
| 24         | 1.734 | 0.080                              | 0.692     | 1.375   | 0.147                               | 0.590                              | 1.540      | 1.500      | 1.265      |
|            | 44.05 | 2.03                               | 42.98     | 34.93   | 3.74                                | 14.99                              | 39.12      | 38.10      | 32.13      |

# Box Mounting Receptacles



**12E**



**62GB-12E**

**MIL-C-26482 MS3112E**



| Shell Size | A max | 8<br>± 0.005<br>(± 0.13) | C max sq. | D TP sq. | E ± 0.010<br>(± 0.254) | F ± 0.005<br>(± 0.13) | G dia. max. | L     | V dia. max. |
|------------|-------|--------------------------|-----------|----------|------------------------|-----------------------|-------------|-------|-------------|
| 08         | 0.978 | 0.062                    | 0.817     | 0.594    | 0.120                  | 0.445                 | 0.434       | 0.800 | 0.473       |
|            | 24.84 | 1.58                     | 20.75     | 15.09    | 3.05                   | 11.3                  | 11.02       | 20.32 | 12.02       |
| 10         | 0.978 | 0.062                    | 0.942     | 0.719    | 0.120                  | 0.445                 | 0.558       | 0.800 | 0.590       |
|            | 24.84 | 1.58                     | 23.93     | 18.26    | 3.05                   | 11.3                  | 14.17       | 20.32 | 14.99       |
| 12         | 0.978 | 0.062                    | 1.036     | 0.812    | 0.120                  | 0.445                 | 0.683       | 0.800 | 0.750       |
|            | 24.84 | 1.58                     | 26.32     | 20.63    | 3.05                   | 11.3                  | 17.35       | 20.32 | 19.05       |
| 14         | 0.978 | 0.062                    | 1.130     | 0.906    | 0.120                  | 0.445                 | 0.808       | 0.800 | 0.875       |
|            | 24.84 | 1.58                     | 28.70     | 23.10    | 3.05                   | 11.3                  | 20.52       | 20.32 | 22.23       |
| 16         | 0.978 | 0.062                    | 1.223     | 0.969    | 0.120                  | 0.445                 | 0.933       | 0.800 | 1.000       |
|            | 24.84 | 1.58                     | 31.07     | 24.61    | 3.05                   | 11.3                  | 23.70       | 20.32 | 25.4        |
| 18         | 0.978 | 0.062                    | 1.317     | 1.062    | 0.120                  | 0.445                 | 1.057       | 0.800 | 1.125       |
|            | 24.84 | 1.58                     | 33.45     | 26.58    | 3.05                   | 11.3                  | 26.85       | 20.32 | 28.58       |
| 20         | 1.048 | 0.080                    | 1.442     | 1.156    | 0.120                  | 0.555                 | 1.182       | 0.875 | 1.250       |
|            | 26.62 | 2.03                     | 36.63     | 29.36    | 3.05                   | 14.10                 | 30.02       | 22.23 | 31.75       |
| 22         | 1.048 | 0.080                    | 1.567     | 1.250    | 0.120                  | 0.555                 | 1.307       | 0.875 | 1.375       |
|            | 26.62 | 2.03                     | 39.80     | 31.75    | 3.05                   | 14.10                 | 33.20       | 22.23 | 34.93       |
| 24         | 1.048 | 0.080                    | 1.692     | 1.375    | 0.147                  | 0.590                 | 1.432       | 0.875 | 1.500       |
|            | 26.62 | 2.03                     | 42.98     | 34.93    | 3.74                   | 14.99                 | 36.37       | 22.23 | 38.1        |

**12E (219)**



**62GB-12E (219)**

4-hole flange mounting with plain shell  
with film wire terminations

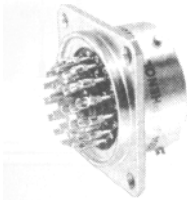


| Shell Size | A max | B ± 0.005<br>(± 0.13) | C max sq. | D TP sq. | E dia 0.010 | F ± 0.005<br>(± 0.13) | G dia. Max | J ± 0.020<br>(± 0.51) | K min max.  | L max min   | Y dia max. | Z     |
|------------|-------|-----------------------|-----------|----------|-------------|-----------------------|------------|-----------------------|-------------|-------------|------------|-------|
| 08         | 0.982 | 0.062                 | 0.817     | 0.594    | 0.120       | 0.445                 | 0.434      | 0.089                 | 0.030 0.028 | 0.198 0.166 | 0.473      | 0.800 |
|            | 24.95 | 1.58                  | 20.75     | 15.09    | 3.05        | 11.3                  | 11.02      | 2.26 0.76             | 0.70 0.70   | 5.03 4.22   | 12.02      | 20.32 |
| 10         | 0.982 | 0.062                 | 0.942     | 0.719    | 0.120       | 0.445                 | 0.558      | 0.089 0.030           | 0.028 0.028 | 0.198 0.166 | 0.590      | 0.800 |
|            | 24.95 | 1.58                  | 23.93     | 18.26    | 3.05        | 11.3                  | 14.17      | 2.26 0.76             | 0.70 0.70   | 5.03 4.22   | 14.99      | 20.32 |
| 12         | 0.982 | 0.062                 | 1.036     | 0.812    | 0.120       | 0.445                 | 0.683      | 0.089 0.030           | 0.028 0.028 | 0.198 0.166 | 0.750      | 0.800 |
|            | 24.95 | 1.58                  | 26.32     | 20.63    | 3.05        | 11.3                  | 17.35      | 2.26 0.76             | 0.70 0.70   | 5.03 4.22   | 19.05      | 20.32 |
| 14         | 0.982 | 0.062                 | 1.130     | 0.906    | 0.120       | 0.445                 | 0.808      | 0.089 0.030           | 0.028 0.028 | 0.198 0.166 | 0.875      | 0.800 |
|            | 24.95 | 1.58                  | 28.70     | 23.10    | 3.05        | 11.3                  | 20.52      | 2.26 0.76             | 0.70 0.70   | 5.03 4.22   | 22.23      | 20.32 |
| 16         | 0.982 | 0.062                 | 1.223     | 0.969    | 0.120       | 0.445                 | 0.933      | 0.089 0.030           | 0.028 0.028 | 0.198 0.166 | 1.000      | 0.800 |
|            | 24.95 | 1.58                  | 31.07     | 24.61    | 3.05        | 11.3                  | 23.70      | 2.26 0.76             | 0.70 0.70   | 5.03 4.22   | 25.4       | 20.32 |
| 18         | 0.982 | 0.062                 | 1.317     | 1.062    | 0.120       | 0.445                 | 1.057      | 0.089 0.030           | 0.028 0.028 | 0.198 0.166 | 1.125      | 0.800 |
|            | 24.95 | 1.58                  | 33.45     | 26.58    | 3.05        | 11.3                  | 26.85      | 2.26 0.76             | 0.70 0.70   | 5.03 4.22   | 28.58      | 20.32 |
| 20         | 1.057 | 0.080                 | 1.442     | 1.156    | 0.120       | 0.555                 | 1.182      | 0.076 0.030           | 0.028 0.028 | 0.185 0.153 | 1.250      | 0.875 |
|            | 26.85 | 2.03                  | 36.63     | 29.36    | 3.05        | 14.10                 | 30.02      | 1.93 0.76             | 0.70 0.70   | 4.70 3.89   | 31.75      | 22.23 |
| 22         | 1.057 | 0.080                 | 1.567     | 1.250    | 0.120       | 0.555                 | 1.307      | 0.076 0.030           | 0.028 0.028 | 0.185 0.153 | 1.375      | 0.875 |
|            | 26.85 | 2.03                  | 39.80     | 31.75    | 3.05        | 14.10                 | 33.20      | 1.93 0.76             | 0.70 0.70   | 4.70 3.89   | 34.93      | 22.23 |
| 24         | 1.057 | 0.080                 | 1.692     | 1.375    | 0.147       | 0.590                 | 1.432      | 0.076 0.030           | 0.028 0.028 | 0.185 0.153 | 1.500      | 0.875 |
|            | 26.85 | 2.03                  | 42.98     | 34.93    | 3.74        | 14.99                 | 36.37      | 1.93 0.76             | 0.70 0.70   | 4.70 3.89   | 38.1       | 22.23 |

# Box Mounting Receptacles Hermetic Seal



12H



62GB-12H

4-hole square mounting with exposed solder buckets or flattened and pierced pins.



| Shell Size | A max | B<br>± 0.005<br>(± 0.13) | C max sq. | D     | E<br>0.008<br>(± 0.203)<br>(±.051) .002 | F<br>± 0.005<br>(± 0.13) | R<br>±0.005<br>(±0.13) | S     | Y     |
|------------|-------|--------------------------|-----------|-------|-----------------------------------------|--------------------------|------------------------|-------|-------|
| 08         | 0.828 | 0.062                    | 0.812     | 0.594 | 0.120                                   | 0.443                    | 0.568                  | 1.250 | 0.473 |
|            | 21.03 | 1.57                     | 20.61     | 15.08 | 3.05                                    | 11.25                    | 14.42                  | 31.73 | 12.01 |
| 10         | 0.828 | 0.062                    | 0.937     | 0.719 | 0.120                                   | 0.443                    | 0.695                  | 1.359 | 14.99 |
|            | 21.03 | 1.57                     | 23.79     | 18.29 | 3.05                                    | 11.25                    | 17.53                  | 34.52 | 14.99 |
| 12         | 0.828 | 0.062                    | 1.031     | 0.812 | 0.120                                   | 0.443                    | 0.864                  | 1.531 | 0.750 |
|            | 21.03 | 1.57                     | 26.17     | 20.57 | 3.05                                    | 11.25                    | 21.84                  | 38.89 | 19.05 |
| 14         | 0.828 | 0.062                    | 1.125     | 0.906 | 0.120                                   | 0.443                    | 0.989                  | 1.656 | 0.875 |
|            | 21.03 | 1.57                     | 28.57     | 23.11 | 3.05                                    | 11.25                    | 25.15                  | 42.06 | 22.23 |
| 16         | 0.828 | 0.062                    | 1.218     | 0.969 | 0.120                                   | 0.443                    | 1.113                  | 1.781 | 1.000 |
|            | 21.03 | 1.57                     | 30.93     | 24.64 | 3.05                                    | 11.25                    | 28.19                  | 45.24 | 25.40 |
| 18         | 0.828 | 0.062                    | 1.312     | 1.062 | 0.120                                   | 0.443                    | 1.238                  | 1.891 | 1.125 |
|            | 21.03 | 1.57                     | 33.32     | 26.92 | 3.05                                    | 11.25                    | 31.49                  | 48.03 | 28.58 |
| 20         | 0.890 | 0.093                    | 1.437     | 1.156 | 0.120                                   | 0.561                    | 1.363                  | 2.031 | 1.250 |
|            | 22.60 | 2.36                     | 36.49     | 29.46 | 3.05                                    | 14.24                    | 34.54                  | 51.59 | 30.75 |
| 22         | 0.890 | 0.093                    | 1.562     | 1.250 | 1.120                                   | 0.561                    | 1.488                  | 2.156 | 1.375 |
|            | 22.60 | 2.36                     | 39.67     | 31.75 | 3.05                                    | 14.24                    | 37.85                  | 54.76 | 34.93 |
| 24         | 0.890 | 0.093                    | 1.687     | 1.375 | 0.147                                   | 0.593                    | 1.615                  | 2.277 | 1.500 |
|            | 22.60 | 2.36                     | 42.84     | 35.05 | 3.81                                    | 15.06                    | 41.15                  | 57.84 | 38.10 |

# Single Hole Fixing Receptacles Table of Styles

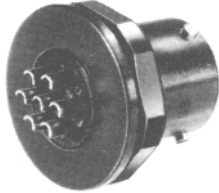
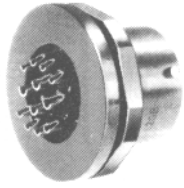
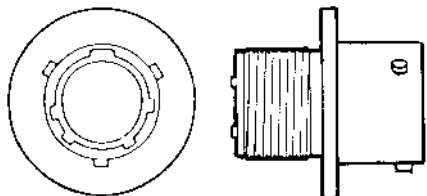
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# Single Hole Fixing Receptacles

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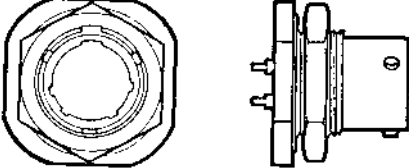
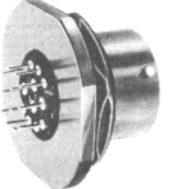
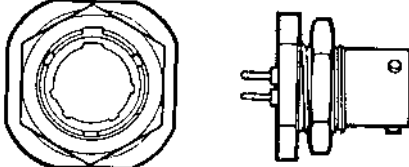
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# Single Hole Fixing Receptacles

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# Single Hole Fixing Receptacles



**57A**



**62GB-57A  
C2099**

Single hole mounting with plain shell for direct wiring to exposed solder buckets. Has panel 'O' ring seal.



| Shell Size | A max | B ± 0.005 (± 0.13) | C sq. | F ± 0.005 (± 0.13) | min   | K max | L     | M -0.005 (-0.13) | N ± 0.005 (± 0.13) | R ± 0.005 (± 0.13) | s min | Y     | X Thread       |
|------------|-------|--------------------|-------|--------------------|-------|-------|-------|------------------|--------------------|--------------------|-------|-------|----------------|
| 08         | 0.978 | 0.117              | 0.942 | 0.706              | 0.062 | 0.125 | 0.750 | 0.527            | 0.540              | 0.572              | 1.250 | 0.473 | 9/16 - 24 NEF  |
|            | 24.84 | 2.97               | 23.93 | 17.93              | 1.58  | 3.18  | 19.05 | 13.3             | 13.72              | 14.53              | 31.75 | 12.03 |                |
| 10         | 0.978 | 0.117              | 1.067 | 0.706              | 0.062 | 0.125 | 0.875 | 0.652            | 0.665              | 0.697              | 1.359 | 0.590 | 11/16 - 24 NEF |
|            | 24.84 | 2.97               | 27.10 | 17.93              | 1.58  | 3.18  | 22.23 | 16.56            | 16.89              | 17.70              | 34.52 | 14.99 |                |
| 12         | 0.978 | 0.117              | 1.255 | 0.706              | 0.062 | 0.125 | 1.062 | 0.815            | 0.828              | 0.885              | 1.531 | 0.750 | 7/8 - 20 UNEF  |
|            | 24.84 | 2.97               | 31.88 | 17.93              | 1.58  | 3.18  | 26.98 | 20.70            | 21.03              | 22.48              | 38.89 | 19.05 |                |
| 14         | 0.978 | 0.117              | 1.380 | 0.706              | 0.062 | 0.125 | 1.187 | 0.939            | 0.952              | 1.010              | 1.656 | 0.875 | 1 - 20 UNEF    |
|            | 24.84 | 2.97               | 35.05 | 17.93              | 1.58  | 3.18  | 30.15 | 23.85            | 24.18              | 25.65              | 42.06 | 22.23 |                |
| 16         | 0.978 | 0.117              | 1.505 | 0.706              | 0.062 | 0.125 | 1.312 | 1.063            | 1.076              | 1.135              | 1.781 | 1.000 | 1.1/8 - 18 NEF |
|            | 24.84 | 2.97               | 38.23 | 17.93              | 1.58  | 3.18  | 33.32 | 27.00            | 27.33              | 28.83              | 45.24 | 25.40 |                |
| 18         | 0.978 | 0.117              | 1.630 | 0.706              | 0.062 | 0.125 | 1.437 | 1.188            | 1.201              | 1.260              | 1.891 | 1.125 | 1.1/4 - 18 NEF |
|            | 24.84 | 2.97               | 41.40 | 17.93              | 1.58  | 3.18  | 36.50 | 30.18            | 30.50              | 32.00              | 48.03 | 28.58 |                |
| 20         | 1.048 | 0.148              | 1.817 | 0.894              | 0.062 | 0.250 | 1.562 | 1.313            | 1.326              | 1.385              | 2.031 | 1.250 | 1.3/8 - 18NEF  |
|            | 26.62 | 3.76               | 46.15 | 22.71              | 1.58  | 6.35  | 38.68 | 33.35            | 33.68              | 35.18              | 51.59 | 31.75 |                |
| 22         | 1.048 | 0.148              | 1.942 | 0.894              | 0.062 | 0.250 | 1.687 | 1.438            | 1.451              | 1.510              | 2.156 | 1.375 | 1.1/2 - 18 NEF |
|            | 26.62 | 3.76               | 49.33 | 22.71              | 1.58  | 6.35  | 42.85 | 36.53            | 36.86              | 38.35              | 54.76 | 34.93 |                |
| 24         | 1.048 | 0.148              | 2.067 | 0.927              | 0.062 | 0.250 | 1.812 | 1.563            | 1.576              | 1.635              | 2.277 | 1.500 | 1.5/8 - 18 NEF |
|            | 26.62 | 3.76               | 52.50 | 23.55              | 1.575 | 6.35  | 46.05 | 39.70            | 40.03              | 41.45              | 57.84 | 38.10 |                |

**57A(219)**



**62GB-57A (219)**

Single hole mounting with plain shell and film wire terminations



| Shell Size | A m   | B ± 0.005 (± 0.13) | C sq. max. | D min | F ± 0.005 (± 0.13) | H min | K min | L     | M -0.005 (-0.13) | N ± 0.005 (± 0.13) | R ± 0.005 (± 0.13) | S min | Y     | X Thread       |
|------------|-------|--------------------|------------|-------|--------------------|-------|-------|-------|------------------|--------------------|--------------------|-------|-------|----------------|
| 08         | 0.976 | 0.117              | 0.942      | 0.030 | 0.028              | 0.706 | 0.173 | 0.133 | 0.062            | 0.125              | 0.527              | 0.540 | 0.572 | 9/16 - 24 NEF  |
|            | 24.79 | 2.97               | 23.93      | 0.76  | 0.71               | 17.93 | 4.40  | 3.38  | 1.58             | 3.18               | 19.05              | 13.3  | 13.72 |                |
| 10         | 0.976 | 0.117              | 1.067      | 0.030 | 0.028              | 0.706 | 0.173 | 0.133 | 0.062            | 0.125              | 0.875              | 0.652 | 0.665 | 11/16 - 24 NEF |
|            | 24.79 | 2.97               | 23.93      | 0.76  | 0.71               | 17.93 | 4.40  | 3.38  | 1.58             | 3.18               | 22.23              | 16.56 | 16.89 |                |
| 12         | 0.976 | 0.117              | 1.255      | 0.030 | 0.028              | 0.706 | 0.173 | 0.133 | 0.062            | 0.125              | 1.062              | 0.815 | 0.828 | 7/8 - 20 UNEF  |
|            | 24.79 | 2.97               | 31.88      | 0.76  | 0.71               | 17.93 | 4.40  | 3.38  | 1.58             | 3.18               | 26.98              | 20.70 | 21.03 |                |
| 14         | 0.976 | 0.117              | 1.380      | 0.030 | 0.028              | 0.706 | 0.173 | 0.133 | 0.062            | 0.125              | 1.187              | 0.939 | 0.952 | 1 - 20 UNEF    |
|            | 24.79 | 2.97               | 35.05      | 0.76  | 0.71               | 17.93 | 4.40  | 3.38  | 1.58             | 3.18               | 30.15              | 23.85 | 24.18 |                |
| 16         | 0.976 | 0.117              | 1.505      | 0.030 | 0.028              | 0.706 | 0.173 | 0.133 | 0.062            | 0.125              | 1.312              | 1.063 | 1.076 | 1.1/8 - 18 NEF |
|            | 24.79 | 2.97               | 38.23      | 0.76  | 0.71               | 17.93 | 4.40  | 3.38  | 1.58             | 3.18               | 33.32              | 27.00 | 27.33 |                |
| 18         | 0.976 | 0.117              | 1.630      | 0.030 | 0.028              | 0.706 | 0.173 | 0.133 | 0.062            | 0.125              | 1.437              | 1.188 | 1.201 | 1.1/4 - 18 NEF |
|            | 24.79 | 2.97               | 41.40      | 0.76  | 0.71               | 17.93 | 4.40  | 3.38  | 1.58             | 3.18               | 36.50              | 30.18 | 30.50 |                |
| 20         | 1.195 | 0.148              | 1.817      | 0.030 | 0.028              | 0.894 | 0.173 | 0.133 | 0.062            | 0.250              | 1.562              | 1.313 | 1.326 | 1.3/8 - 18 NEF |
|            | 30.35 | 3.76               | 46.15      | 0.76  | 0.71               | 22.71 | 4.40  | 3.38  | 1.58             | 6.35               | 38.68              | 33.35 | 35.18 |                |
| 22         | 1.195 | 0.148              | 1.942      | 0.030 | 0.028              | 0.894 | 0.173 | 0.133 | 0.062            | 0.250              | 1.687              | 1.438 | 1.451 | 1.1/2 - 18NEF  |
|            | 30.35 | 3.76               | 49.33      | 0.76  | 0.71               | 22.71 | 4.40  | 3.38  | 1.58             | 6.35               | 42.85              | 36.53 | 36.86 |                |
| 24         | 1.228 | 0.148              | 2.067      | 0.030 | 0.028              | 0.927 | 0.173 | 0.133 | 0.062            | 0.250              | 1.812              | 1.563 | 1.576 | 1.5/8 - 18 NEF |
|            | 30.35 | 3.76               | 52.50      | 0.76  | 0.71               | 23.55 | 4.40  | 3.38  | 1.58             | 6.35               | 46.05              | 39.70 | 40.03 |                |

# Single Hole Fixing Receptacles



**14E**



**62GB-14E**  
**MIL-C-26482 MS3114E**

Single hole mounting with grommet and grommet nut.  
Has panel 'O' ring seal



| Shell Size | A max | B ±0.005 (±0.13) | C max sq. | F ±0.005 (±0.13) | G Dia Max | min   | K max | L     | M -0.005 (-0.13) | N ±0.005 (±0.13) | R ±0.005 (±0.13) | S     | Y     | X Thread       |
|------------|-------|------------------|-----------|------------------|-----------|-------|-------|-------|------------------|------------------|------------------|-------|-------|----------------|
| 08         | 1.344 | 0.117            | 0.942     | 0.706            | 0.713     | 0.062 | 0.125 | 0.750 | 0.527            | 0.540            | 0.572            | 1.250 | 0.473 | 9/16-24NEF     |
|            | 34.14 | 2.97             | 23.93     | 17.93            | 18.11     | 1.58  | 3.18  | 19.05 | 13.3             | 13.72            | 14.53            | 31.75 | 12.03 |                |
| 10         | 1.344 | 0.117            | 1.067     | 0.706            | 0.838     | 0.062 | 0.125 | 0.875 | 0.652            | 0.665            | 0.697            | 1.359 | 0.590 | 11/16 -24 NEF  |
|            | 34.14 | 2.97             | 27.10     | 17.93            | 21.29     | 1.58  | 3.18  | 22.23 | 16.56            | 16.89            | 17.70            | 34.52 | 14.99 |                |
| 12         | 1.344 | 0.117            | 1.255     | 0.706            | 0.963     | 0.062 | 0.125 | 1.062 | 0.815            | 0.828            | 0.885            | 1.531 | 0.750 | 7/8 -20 UNEF   |
|            | 34.14 | 2.97             | 31.88     | 17.93            | 24.46     | 1.58  | 3.18  | 26.98 | 20.70            | 21.03            | 22.48            | 38.89 | 19.05 |                |
| 14         | 1.344 | 0.117            | 1.380     | 0.706            | 1.088     | 0.062 | 0.125 | 1.187 | 0.939            | 0.952            | 1.010            | 1.656 | 0.875 | 1 - 20 UNEF    |
|            | 34.14 | 2.97             | 35.05     | 17.93            | 27.63     | 1.58  | 3.18  | 30.15 | 23.85            | 24.18            | 25.65            | 42.06 | 22.23 |                |
| 16         | 1.344 | 0.117            | 1.505     | 0.706            | 1.213     | 0.062 | 0.125 | 1.312 | 1.063            | 1.076            | 1.135            | 1.781 | 1.000 | 1.1/8 -18NEF   |
|            | 34.14 | 2.97             | 38.23     | 17.93            | 30.81     | 1.58  | 3.18  | 33.32 | 27.00            | 27.33            | 28.83            | 45.24 | 25.40 |                |
| 18         | 1.344 | 0.117            | 1.630     | 0.706            | 1.338     | 0.062 | 0.125 | 1.437 | 1.188            | 1.201            | 1.260            | 1.891 | 1.125 | 1.1/4 -18 NEF  |
|            | 34.14 | 2.97             | 41.40     | 17.93            | 33.98     | 1.58  | 3.18  | 36.50 | 30.18            | 30.50            | 32.00            | 48.03 | 28.58 |                |
| 20         | 1.576 | 0.148            | 1.817     | 0.894            | 1.463     | 0.062 | 0.250 | 1.562 | 1.313            | 1.326            | 1.385            | 2.031 | 1.250 | 1.3/8 - 18 NEF |
|            | 40.03 | 3.76             | 46.15     | 22.71            | 37.16     | 1.58  | 6.35  | 38.68 | 33.35            | 33.68            | 35.18            | 51.59 | 31.75 |                |
| 22         | 1.576 | 0.148            | 1.942     | 0.894            | 1.588     | 0.062 | 0.250 | 1.687 | 1.438            | 1.451            | 1.510            | 2.156 | 1.375 | 1.1/2 - 18 NEF |
|            | 40.03 | 3.76             | 49.33     | 22.71            | 40.33     | 1.58  | 6.35  | 42.85 | 36.53            | 36.86            | 38.35            | 54.76 | 34.93 |                |
| 24         | 1.609 | 0.148            | 2.067     | 0.927            | 1.713     | 0.062 | 0.250 | 1.812 | 1.563            | 1.576            | 1.635            | 2.277 | 1.500 | 1.5/8 - 18 NEF |
|            | 40.87 | 3.76             | 52.50     | 23.55            | 43.51     | 1.58  | 6.35  | 46.05 | 39.70            | 40.03            | 41.45            | 57.84 | 38.10 |                |

**14F**



**62GB-1 4F**  
**MIL-C-26482 MS3114F**

Single hole mounting with grommet and grommet nut fitted with integral strain relief clamp.  
Has panel 'O' ring seal



| Shell Size | A max | B ±0.005 (±0.13) | C max sq. | F ±0.005 (±0.13) | G dia. max. | H 0.005 (± 0.13) | min   | K max | L     | M -0.005 (-0.13) | N ±0.005 (±0.13) | R ±0.005 (±0.13) | S     | Y     | X Thread        |
|------------|-------|------------------|-----------|------------------|-------------|------------------|-------|-------|-------|------------------|------------------|------------------|-------|-------|-----------------|
| 08         | 1.762 | 0.117            | 0.942     | 0.706            | 0.828       | 0.156            | 0.062 | 0.125 | 0.750 | 0.527            | 0.540            | 0.572            | 1.250 | 0.473 | 9/16 -24 NEF    |
|            | 44.75 | 2.97             | 23.93     | 17.93            | 21.03       | 3.96             | 1.58  | 3.18  | 19.05 | 13.3             | 13.72            | 14.53            | 31.75 | 12.03 |                 |
| 10         | 1.762 | 0.117            | 1.067     | 0.706            | 0.891       | 0.188            | 0.062 | 0.125 | 0.875 | 0.652            | 0.665            | 0.697            | 1.359 | 0.590 | 11/16 - 124 NEF |
|            | 44.75 | 2.97             | 27.10     | 17.93            | 22.63       | 4.78             | 1.58  | 3.18  | 22.23 | 16.56            | 16.89            | 17.70            | 34.52 | 14.99 |                 |
| 12         | 1.762 | 0.117            | 1.255     | 0.706            | 1.016       | 0.312            | 0.062 | 0.125 | 1.062 | 0.815            | 0.828            | 0.885            | 1.531 | 0.750 | 7/8 - 20 UNEF   |
|            | 44.75 | 2.97             | 31.88     | 17.93            | 25.81       | 7.93             | 1.58  | 3.18  | 26.98 | 20.70            | 21.03            | 22.48            | 38.89 | 19.05 |                 |
| 14         | 1.736 | 0.117            | 1.380     | 0.706            | 7.147       | 0.375            | 0.062 | 0.125 | 1.187 | 0.939            | 0.952            | 1.010            | 1.656 | 0.875 | 1 - 20 NEF      |
|            | 44.10 | 2.97             | 35.05     | 17.93            | 28.97       | 9.53             | 1.58  | 3.18  | 30.15 | 23.85            | 24.18            | 25.65            | 42.06 | 22.23 |                 |
| 16         | 1.876 | 0.117            | 1.505     | 0.706            | 1.203       | 0.500            | 0.062 | 0.125 | 1.312 | 1.063            | 1.076            | 1.135            | 1.781 | 1.000 | 1.1/8 - 18 NEF  |
|            | 47.65 | 2.97             | 38.23     | 17.93            | 30.56       | 12.7             | 1.58  | 3.18  | 33.32 | 27.00            | 27.33            | 28.83            | 45.24 | 25.40 |                 |
| 18         | 1.876 | 0.117            | 1.630     | 0.706            | 1.426       | 0.625            | 0.062 | 0.125 | 1.437 | 1.188            | 1.201            | 1.260            | 1.891 | 7.125 | 1.1/4 - 18 NEF  |
|            | 47.65 | 2.97             | 41.40     | 17.93            | 36.22       | 15.88            | 1.58  | 3.18  | 36.50 | 30.18            | 30.50            | 32.00            | 48.03 | 28.58 |                 |
| 20         | 2.118 | 0.148            | 1.817     | 0.894            | 1.426       | 0.625            | 0.062 | 0.250 | 1.562 | 1.313            | 1.326            | 1.385            | 2.031 | 1.250 | 1.3/8 - 18 NEF  |
|            | 53.8  | 3.76             | 46.15     | 22.71            | 36.22       | 15.88            | 1.58  | 6.35  | 38.68 | 33.35            | 33.68            | 35.18            | 51.59 | 31.75 |                 |
| 22         | 2.118 | 0.148            | 1.942     | 0.894            | 7.567       | 0.750            | 0.062 | 0.250 | 1.687 | 1.438            | 1.451            | 1.510            | 2.756 | 1.375 | 1.1/2 - 18 NEE  |
|            | 53.8  | 3.76             | 49.33     | 22.71            | 39.80       | 19.05            | 1.58  | 6.35  | 42.85 | 36.53            | 36.86            | 38.35            | 54.76 | 34.93 |                 |
| 24         | 2.250 | 0.148            | 2.067     | 0.927            | 1.735       | 0.800            | 0.062 | 0.250 | 1.812 | 1.563            | 1.576            | 1.635            | 2.277 | 1.500 | 1.5/8 - 18 NEF  |
|            | 57.15 | 3.76             | 52.50     | 23.55            | 44.07       | 20.32            | 1.58  | 6.35  | 46.05 | 39.70            | 40.03            | 41.45            | 57.84 | 38.10 |                 |

# Single Hole Fixing Receptacles



**57T**



**62G B-57T**

Single hole mounting with threaded shell to accept accessories



| Shell Size | A max | B ± 0.005 (± 0.13) | c max. sq. | F ± 0.005 (± 0.13) | G dia. max. | K min | K max | L     | M -0.005 (- 0.13) | N             | Y     | X Thread        |
|------------|-------|--------------------|------------|--------------------|-------------|-------|-------|-------|-------------------|---------------|-------|-----------------|
| 08         | 0.978 | 0.117              | 0.942      | 0.595              | 0.426       | 0.062 | 0.125 | 0.750 | 0.527             | 7/16 - UNEF   | 0.473 | 9/16 - 24 NEF   |
|            | 24.84 | 2.97               | 23.93      | 15.12              | 10.82       | 1.58  | 3.18  | 19.05 | 13.3              |               | 12.03 |                 |
| 10         | 0.978 | 0.117              | 1.067      | 0.595              | 0.552       | 0.062 | 0.125 | 0.875 | 0.652             | 9/16 - UNEF   | 0.590 | 11/16 - 24 NEF  |
|            | 24.84 | 2.97               | 27.10      | 15.12              | 14.02       | 1.58  | 3.18  | 22.23 | 16.56             |               | 14.99 |                 |
| 12         | 0.978 | 0.117              | 1.255      | 0.595              | 0.677       | 0.062 | 0.125 | 1.062 | 0.815             | 11/16 - UNEF  | 0.750 | 7/8 - 20 UNEF   |
|            | 24.84 | 2.97               | 31.88      | 15.12              | 17.20       | 1.58  | 3.18  | 26.98 | 20.70             |               | 19.05 |                 |
| 14         | 0.978 | 0.117              | 1.380      | 0.595              | 0.802       | 0.062 | 0.125 | 1.187 | 0.939             | 13/16 - UNEF  | 0.875 | 1 - 20 UNEF     |
|            | 24.84 | 2.97               | 35.05      | 15.12              | 20.37       | 1.58  | 3.18  | 30.15 | 23.85             |               | 22.23 |                 |
| 16         | 0.978 | 0.117              | 1.505      | 0.595              | 0.927       | 0.062 | 0.125 | 1.312 | 1.063             | 15/16 - UNEF  | 1.000 | 1.1/18 - 18 NEF |
|            | 24.84 | 2.97               | 38.23      | 15.12              | 23.55       | 1.58  | 3.18  | 33.32 | 27.00             |               | 25.40 |                 |
| 18         | 0.978 | 0.117              | 1.630      | 0.595              | 1.052       | 0.062 | 0.125 | 1.437 | 1.188             | 1.1/16 - UNEF | 1.125 | 1.1/4 - 18 NEF  |
|            | 24.84 | 2.98               | 41.40      | 15.12              | 26.72       | 1.58  | 3.18  | 36.50 | 30.18             |               | 28.58 |                 |
| 20         | 1.048 | 0.148              | 1.817      | 0.720              | 1.167       | 0.062 | 0.250 | 1.562 | 1.313             | 1.3/16 - UNEF | 1.250 | 1.3/8 - 18 NEF  |
|            | 26.62 | 3.76               | 46.15      | 18.29              | 29.65       | 1.58  | 6.35  | 38.68 | 33.35             |               | 31.75 |                 |
| 22         | 1.048 | 0.148              | 1.942      | 0.720              | 1.292       | 0.062 | 0.250 | 1.687 | 1.438             | 1.5/16 - UNEF | 1.375 | 1.1/2 - 18 NEF  |
|            | 26.62 | 3.76               | 49.33      | 18.29              | 32.82       | 1.58  | 6.35  | 42.85 | 36.53             |               | 34.93 |                 |
| 24         | 1.048 | 0.148              | 2.067      | 0.753              | 1.416       | 0.062 | 0.250 | 1.812 | 1.563             | 1.7/16 - UNEF | 1.50  | 1.5/8 - 18 NEF  |
|            | 26.62 | 3.76               | 52.50      | 19.13              | 35.97       | 1.58  | 6.35  | 46.05 | 39.70             |               | 38.10 |                 |

**17P**



**62GB-17P**

MIL-C-26482 MS3114P

Single hole mounting for potting. Supplied complete with potting mould locating ring and panel 'O' ring seal



| Shell Size | A max. | B ± 0.005 (± 0.13) | C max. sq. | F ± 0.005 (± 0.13) | G     | K min | K max. | L     | M -0.005 (-0.13) | N ± 0.005 (± 0.13) | R ± 0.005 (± 0.13) | Y     | Z     | X Thread        |
|------------|--------|--------------------|------------|--------------------|-------|-------|--------|-------|------------------|--------------------|--------------------|-------|-------|-----------------|
| 08         | 1.391  | 0.117              | 0.942      | 0.706              | 0.572 | 0.062 | 0.125  | 0.750 | 0.527            | 0.540              | 0.572              | 1.250 | 0.260 | 9/16 - 24 NEF   |
|            | 35.33  | 2.97               | 23.93      | 17.93              | 14.53 | 1.58  | 3.175  | 19.05 | 13.3             | 13.72              | 14.53              | 31.75 | 6.60  |                 |
| 10         | 1.391  | 0.117              | 1.067      | 0.706              | 0.666 | 0.062 | 0.125  | 0.875 | 0.652            | 0.665              | 0.697              | 1.359 | 0.463 | 11/16 - 24 NEF  |
|            | 35.33  | 2.97               | 27.10      | 17.93              | 16.92 | 1.58  | 3.18   | 22.23 | 16.56            | 16.89              | 17.70              | 34.52 | 11.76 |                 |
| 12         | 1.391  | 0.117              | 1.255      | 0.706              | 0.822 | 0.062 | 0.125  | 1.062 | 0.815            | 0.828              | 0.885              | 1.531 | 0.557 | 7/8 - 20 UNEF   |
|            | 35.33  | 2.97               | 31.88      | 17.93              | 20.88 | 1.58  | 3.18   | 26.98 | 20.70            | 21.03              | 22.48              | 38.89 | 14.15 |                 |
| 14         | 1.391  | 0.117              | 1.380      | 0.706              | 0.907 | 0.062 | 0.125  | 1.187 | 0.939            | 0.952              | 1.010              | 1.656 | 0.590 | 1 - 20 UNEF     |
|            | 35.33  | 2.97               | 35.05      | 17.93              | 23.06 | 1.58  | 3.18   | 30.15 | 23.85            | 24.18              | 25.65              | 42.06 | 14.99 |                 |
| 16         | 1.391  | 0.117              | 1.505      | 0.706              | 1.040 | 0.062 | 0.125  | 1.312 | 1.063            | 1.076              | 1.135              | 1.781 | 0.713 | 1.1/18 - 18 NEF |
|            | 35.33  | 2.97               | 38.23      | 17.93              | 26.42 | 1.58  | 3.18   | 33.32 | 27.00            | 27.33              | 28.83              | 45.24 | 18.11 |                 |
| 18         | 1.391  | 0.117              | 1.630      | 0.706              | 1.165 | 0.062 | 0.125  | 1.437 | 1.188            | 1.201              | 1.260              | 1.891 | 0.835 | 1.1/4 - 18 NEF  |
|            | 35.33  | 2.97               | 41.40      | 17.93              | 29.59 | 1.58  | 3.175  | 36.50 | 30.18            | 30.50              | 32.00              | 48.03 | 21.21 |                 |
| 20         | 1.641  | 0.148              | 1.817      | 0.894              | 1.285 | 0.062 | 0.250  | 1.562 | 1.313            | 1.326              | 1.385              | 2.031 | 1.015 | 1.3/8 - 18 NEF  |
|            | 41.68  | 3.76               | 46.15      | 22.71              | 32.64 | 1.58  | 6.35   | 38.68 | 33.35            | 33.68              | 35.18              | 51.59 | 25.78 |                 |
| 22         | 1.641  | 0.148              | 1.942      | 0.894              | 1.400 | 0.062 | 0.250  | 1.687 | 1.438            | 1.451              | 1.510              | 2.156 | 1.015 | 1.1/2 - 18 NEF  |
|            | 41.68  | 3.76               | 49.33      | 22.71              | 35.56 | 1.58  | 6.35   | 42.85 | 36.53            | 36.86              | 38.35              | 54.76 | 25.78 |                 |
| 24         | 1.674  | 0.148              | 2.067      | 0.927              | 1.540 | 0.062 | 0.250  | 1.812 | 1.563            | 1.576              | 1.635              | 2.277 | 1.265 | 1.5/8 - 18 NEF  |
|            | 42.52  | 3.76               | 52.50      | 23.55              | 39.12 | 1.58  | 6.35   | 46.05 | 39.70            | 40.03              | 41.45              | 57.84 | 32.13 |                 |

# Single Hole Fixing Receptacles

## Hermetic Seal



**17H**



**62GB-17H**

**MIL-C-26482 MS3114H**

Single hole mounting with pin contacts in one piece  
glass-to-metal seal. Exposed solder buckets or  
flattened and pierced pins.  
Has panel 'O' ring seal



| Shell Size | A max.         | B $\pm 0.005$ ( $\pm 0.13$ ) | C max. sq      | F $\pm 0.005$ ( $\pm 0.13$ ) | min           | K max         | L              | M $-0.005$ ( $-0.13$ ) | N $\pm 0.005$ ( $\pm 0.13$ ) | R $\pm 0.005$ ( $\pm 0.13$ ) | S              | Y              | X Thread       |
|------------|----------------|------------------------------|----------------|------------------------------|---------------|---------------|----------------|------------------------|------------------------------|------------------------------|----------------|----------------|----------------|
| 08         | 0.828<br>21.03 | 0.094<br>2.39                | 0.942<br>23.93 | 0.706<br>17.93               | 0.062<br>1.57 | 0.125<br>3.18 | 0.750<br>19.05 | 0.527<br>13.39         | 0.540<br>13.72               | 0.572<br>14.53               | 1.250<br>31.75 | 0.473<br>12.01 | 9/16 - 24 NEF  |
| 10         | 0.828<br>21.03 | 0.094<br>2.39                | 1.067<br>27.10 | 0.706<br>17.93               | 0.062<br>1.57 | 0.125<br>3.18 | 0.875<br>22.23 | 0.652<br>16.56         | 0.665<br>16.89               | 0.697<br>17.70               | 1.359<br>34.52 | 0.590<br>14.99 | 11/16 - 24 NEF |
| 12         | 0.828<br>21.03 | 0.094<br>2.39                | 1.255<br>31.88 | 0.706<br>17.93               | 0.062<br>1.57 | 0.125<br>3.18 | 1.062<br>26.97 | 0.815<br>20.70         | 0.828<br>21.03               | 0.885<br>22.48               | 1.531<br>38.89 | 0.750<br>19.05 | 7/8 - 20 UNEF  |
| 14         | 0.828<br>21.03 | 0.094<br>2.39                | 1.380<br>35.05 | 0.706<br>17.93               | 0.062<br>1.57 | 0.125<br>3.18 | 1.187<br>30.15 | 0.939<br>23.85         | 0.952<br>24.18               | 1.010<br>25.65               | 1.656<br>42.06 | 0.875<br>22.23 | 1 - 20 UNEF    |
| 16         | 0.828<br>21.03 | 0.094<br>2.39                | 1.505<br>38.23 | 0.706<br>17.93               | 0.062<br>1.57 | 0.125<br>3.18 | 1.312<br>33.32 | 1.063<br>27.00         | 1.076<br>27.33               | 1.135<br>28.53               | 1.781<br>45.24 | 1.000<br>25.40 | 1.1/8 - 18 NEF |
| 18         | 0.828<br>21.03 | 0.094<br>2.39                | 1.630<br>41.40 | 0.706<br>17.93               | 0.062<br>1.57 | 0.125<br>3.18 | 1.437<br>36.50 | 1.188<br>30.18         | 1.201<br>30.51               | 1.260<br>32.00               | 1.891<br>48.03 | 1.125<br>28.58 | 1.1/4 - 18 NEF |
| 20         | 0.828<br>21.03 | 0.125<br>3.18                | 1.817<br>46.15 | 0.894<br>22.71               | 0.062<br>1.57 | 0.250<br>6.35 | 1.562<br>39.67 | 1.313<br>33.35         | 1.326<br>33.68               | 1.385<br>35.18               | 2.031<br>51.59 | 1.250<br>30.75 | 1.3/8 - 18 NEF |
| 22         | 0.890<br>22.61 | 0.125<br>3.18                | 1.942<br>49.33 | 0.894<br>22.71               | 0.062<br>1.57 | 0.250<br>6.35 | 1.687<br>42.85 | 1.438<br>36.53         | 1.451<br>36.86               | 1.510<br>38.35               | 2.156<br>54.76 | 1.375<br>34.93 | 1.1/2 - 18 NEF |
| 24         | 0.890<br>22.61 | 0.125<br>3.18                | 2.067<br>52.50 | 0.927<br>23.55               | 0.062<br>1.57 | 0.250<br>6.35 | 1.812<br>46.02 | 1.563<br>39.70         | 1.576<br>40.03               | 1.635<br>41.53               | 2.277<br>57.84 | 1.500<br>38.10 | 1.5/8 - 18 NEF |

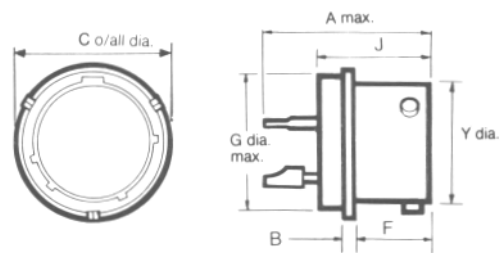
**13H**



**62GB-1 3H**

**MIL-C-26482 MS3113H**

Solder mounting with plain shell and exposed  
solder buckets or flattened and pierced pins

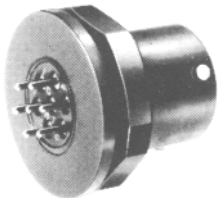


| Shell Size | A max          | B $\pm 0.005$ ( $\pm 0.13$ ) | c max          | F $\pm 0.005$ ( $\pm 0.13$ ) | G max          | J max          | R $\pm 0.005$ ( $\pm 0.13$ ) | S min          | Y dia. max     |
|------------|----------------|------------------------------|----------------|------------------------------|----------------|----------------|------------------------------|----------------|----------------|
| 08         | 0.828<br>21.03 | 0.036<br>0.91                | 0.630<br>16.00 | 0.426<br>10.82               | 0.562<br>14.27 | 0.592<br>15.04 | 0.578<br>14.68               | 1.250<br>31.75 | 0.473<br>12.01 |
| 10         | 0.828<br>21.03 | 0.036<br>0.91                | 0.755<br>19.18 | 0.426<br>10.82               | 0.672<br>17.07 | 0.592<br>15.04 | 0.687<br>17.45               | 1.359<br>34.52 | 0.590<br>14.99 |
| 12         | 0.828<br>21.03 | 0.036<br>0.91                | 0.849<br>21.56 | 0.426<br>10.82               | 0.781<br>19.84 | 0.592<br>15.04 | 0.797<br>20.24               | 1.531<br>38.89 | 0.750<br>19.05 |
| 14         | 0.828<br>21.03 | 0.036<br>0.91                | 0.974<br>24.74 | 0.426<br>10.82               | 0.906<br>23.01 | 0.592<br>15.04 | 0.922<br>23.42               | 1.656<br>42.06 | 0.875<br>22.23 |
| 16         | 0.828<br>21.03 | 0.036<br>0.91                | 1.099<br>27.91 | 0.426<br>10.82               | 1.031<br>26.19 | 0.592<br>15.04 | 1.047<br>26.59               | 1.781<br>45.24 | 1.000<br>25.40 |
| 18         | 0.828<br>21.03 | 0.036<br>0.91                | 1.223<br>31.06 | 0.426<br>10.82               | 1.156<br>29.36 | 0.592<br>15.04 | 1.172<br>29.77               | 1.891<br>48.03 | 1.125<br>28.58 |
| 20         | 0.890<br>22.61 | 0.036<br>0.91                | 1.317<br>33.45 | 0.488<br>12.40               | 1.250<br>31.75 | 0.658<br>16.70 | 1.266<br>32.16               | 2.031<br>51.59 | 1.250<br>30.75 |
| 22         | 0.890<br>22.61 | 0.036<br>0.91                | 1.443<br>36.65 | 0.488<br>12.40               | 1.375<br>34.93 | 0.686<br>17.42 | 1.390<br>35.31               | 2.156<br>54.76 | 1.375<br>34.93 |
| 24         | 0.890<br>22.61 | 0.036<br>0.91                | 1.567<br>39.80 | 0.521<br>13.23               | 1.500<br>38.10 | 0.719<br>18.26 | 1.516<br>38.51               | 2.277<br>57.84 | 1.500<br>38.10 |

# Single Hole Fixing Receptacles



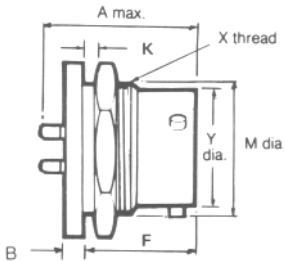
5005



**62GB-5005-10**  
(RSRE SD/C 235025/X)

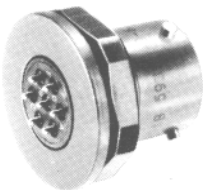
Single hole mounting plain shell with PC pin terminated contacts. Reduced diameter flange with panel 'O' seal

Size 10 only



|    | A<br>max       | B<br>+0.001<br>-0.002<br>(+0.03)<br>(-0.03) | D<br>dia.<br>max | F<br>+0.002<br>-0.003<br>(+0.05)<br>(-0.08) | min           | K<br>max      | M<br>-0.005<br>(-0.13) | N<br>±0.003<br>(±0.08) | R<br>+0.005<br>(+0.13) | S              | Y<br>dia.<br>max. | X<br>Thread    | L<br>dia       |
|----|----------------|---------------------------------------------|------------------|---------------------------------------------|---------------|---------------|------------------------|------------------------|------------------------|----------------|-------------------|----------------|----------------|
| 10 | 0.877<br>22.28 | 0.065<br>1.65                               | 0.880<br>22.35   | 0.681<br>17.29                              | 0.062<br>1.58 | 0.125<br>3.18 | 0.655<br>16.63         | 0.659<br>16.47         | 0.690<br>17.52         | 1.017<br>25.83 | 0.590<br>14.99    | 11/16 – 24 NEF | 0.820<br>20.83 |

5036



**62GB-5036-10**  
(RSRE SD/C235025/X)

Single hole mounting with circular flange and P.C. terminations

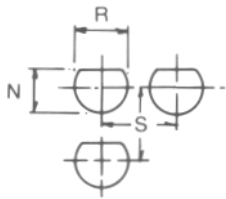
Size 10 only



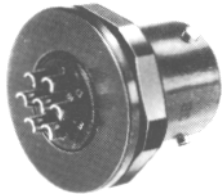
| Shell<br>Size | A<br>max       | B<br>+0.001<br>-0.002<br>(+0.03)<br>(-0.05) | D<br>dia.<br>max | F<br>+0.002<br>-0.003<br>(+0.05)<br>(-0.08) | Y<br>dia.<br>max. | min           | K<br>max      | M<br>-0.005<br>(-0.13) | N<br>±0.003<br>(±0.08) | R<br>+0.005<br>(+0.13) | S              | X<br>Thread    | L<br>dia       |
|---------------|----------------|---------------------------------------------|------------------|---------------------------------------------|-------------------|---------------|---------------|------------------------|------------------------|------------------------|----------------|----------------|----------------|
| 10            | 0.829<br>21.06 | 0.066<br>1.67                               | 0.880<br>22.35   | 0.679<br>17.25                              | 0.590<br>14.99    | 0.062<br>1.57 | 0.125<br>3.18 | 0.655<br>16.63         | 0.659<br>16.47         | 0.690<br>17.52         | 1.017<br>25.83 | 11/16 – 24 NEF | 0.820<br>20.83 |

# Single Hole Fixing Receptacles

Mounting Details



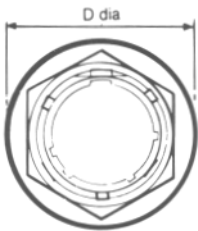
**5016**



**62GB-5016-10**  
(RSRE SD/C 235025/X)

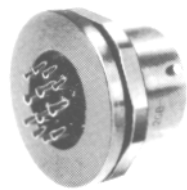
Single hole mounting plain shell for direct wiring to exposed solder buckets. Reduced diameter flange with panel 'O' ring seal

Solder bucket: Size 10 only



| Shell Size | A max          | B<br>+0.002<br>-0.001<br>(+0.05)<br>(-0.03) | D dia.<br>max  | F<br>+ 0.003<br>- 0.002<br>(+ 0.08)<br>(- 0.05) | K min         | K max         | M<br>- 0.010<br>(- 0.25) | N<br>± 0.005<br>(± 0.13) | R<br>+ 0.005<br>(+ 0.13) | S              | Y dia.<br>max. | X Thread       |
|------------|----------------|---------------------------------------------|----------------|-------------------------------------------------|---------------|---------------|--------------------------|--------------------------|--------------------------|----------------|----------------|----------------|
| 10         | 0.902<br>22.91 | 0.064<br>1.62                               | 0.880<br>22.35 | 0.678<br>17.21                                  | 0.062<br>1.58 | 0.125<br>3.18 | 0.655<br>16.63           | 0.665<br>16.89           | 0.697<br>17.70           | 1.359<br>34.52 | 0.590<br>14.99 | 11/16 – 24 NEF |

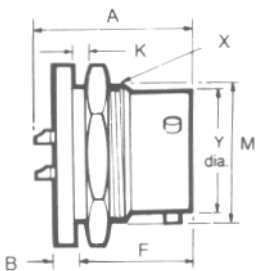
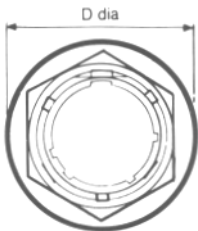
**5024**



**62GB-5024**  
(RSRE SD/C 35077/X)

Single hole mounting plain shell for direct wiring to exposed solder buckets. Reduced diameter flange with panel 'O' ring seal

Solder buckets: Size 8, 12 and 14 only



| Shell Size | A max          | B<br>± 0.005<br>(± 0.13) | D dia.<br>max  | F<br>± 0.005<br>(± 0.13) | K min         | K max         | M<br>- 0.005<br>(- 0.13) | N<br>± 0.005<br>(± 0.13) | R<br>±0.005<br>(± 0.13) | S min          | Y dia.<br>max  | X Thread      |
|------------|----------------|--------------------------|----------------|--------------------------|---------------|---------------|--------------------------|--------------------------|-------------------------|----------------|----------------|---------------|
| 08         | 0.978<br>24.84 | 0.117<br>2.97            | 0.830<br>21.08 | 0.706<br>17.93           | 0.062<br>1.58 | 0.125<br>3.18 | 0.527<br>13.3            | 0.540<br>13.72           | 0.572<br>14.53          | 1.250<br>31.75 | 0.473<br>12.03 | 9/16 - 24 NEF |
| 12         | 0.978<br>24.84 | 0.117<br>2.97            | 1.130<br>28.70 | 0.706<br>17.93           | 0.062<br>1.58 | 0.125<br>3.18 | 0.815<br>20.70           | 0.828<br>21.03           | 0.885<br>22.48          | 1.531<br>38.89 | 0.750<br>19.05 | 7/8 - 20 UNEF |
| 14         | 0.978<br>24.84 | 0.117<br>2.97            | 1.260<br>32.00 | 0.706<br>17.93           | 0.062<br>1.58 | 0.125<br>3.18 | 0.939<br>23.85           | 0.952<br>24.18           | 1.010<br>25.65          | 1.656<br>42.06 | 0.875<br>22.23 | 1 -20 UNEF    |

# Single Hole Fixing Receptacles



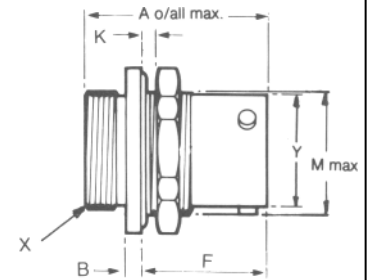
**5052**



**62GB-5052-10**

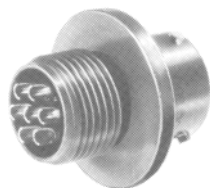
Single hole fixing with circular flange and back end thread - solder termination

Size 10 only



| Shell Size | A max          | B<br>( $\pm 0.05$ )<br>( $\pm 0.03$ ) | C max.<br>sq.  | F<br>+ 0.003<br>- 0.002<br>(+ 0.08)<br>(- 0.05) | K<br>min max                   | L              | M<br>- 0.005<br>(- 0.13) | N<br>$\pm 0.005$<br>( $\pm 0.13$ ) | R<br>$\pm 0.005$<br>( $\pm 0.13$ ) | S<br>$\pm 0.005$<br>( $\pm 0.13$ ) | X<br>Thread    |
|------------|----------------|---------------------------------------|----------------|-------------------------------------------------|--------------------------------|----------------|--------------------------|------------------------------------|------------------------------------|------------------------------------|----------------|
| 10         | 0.947<br>24.06 | 0.062<br>1.58                         | 0.880<br>22.35 | 0.677<br>17.19                                  | 0.062<br>1.58<br>0.125<br>3.18 | 0.820<br>20.83 | 0.650<br>16.51           | 5/8 - 24 UNEF                      | 0.697<br>17.70                     | 1.359<br>34.52                     | 11/16 - 24 NEF |

**5030**



**62G B-5030**

Bulkhead mounting receptacle with solder terminations



| Shell Size | A max          | B<br>$\pm 0.005$<br>( $\pm 0.13$ ) | C<br>$\pm 0.010$<br>( $\pm 0.25$ ) | F<br>$\pm 0.005$<br>( $\pm 0.13$ ) | L              | N<br>Thread     |
|------------|----------------|------------------------------------|------------------------------------|------------------------------------|----------------|-----------------|
| 08         | 0.978<br>24.85 | 0.094<br>2.39                      | 0.812<br>20.63                     | 0.415<br>10.54                     | 0.563<br>14.30 | 7/16 - 28 UNEF  |
| 10         | 0.978<br>24.85 | 0.094<br>2.39                      | 0.937<br>23.80                     | 0.415<br>10.54                     | 0.680<br>17.28 | 9/16 - 24 NEF   |
| 12         | 0.978<br>24.85 | 0.094<br>2.39                      | 1.031<br>26.19                     | 0.415<br>10.54                     | 0.859<br>21.82 | 11 /16 - 24 NEF |
| 14         | 0.978<br>24.85 | 0.094<br>2.39                      | 1.125<br>28.58                     | 0.415<br>10.54                     | 0.984<br>25.00 | 13/16 - 20 UNEF |
| 16         | 0.978<br>24.85 | 0.094<br>2.39                      | 1.218<br>30.94                     | 0.415<br>10.54                     | 1.108<br>28.15 | 15/16 - 20 UNEF |
| 18         | 0.978<br>24.85 | 0.094<br>2.39                      | 1.3121<br>33.33                    | 0.415<br>10.54                     | 1.233<br>31.32 | 1.1/16 - 18NEF  |
| 20         | 1.048<br>26.62 | 0.102<br>2.59                      | 1.437<br>36.50                     | 0.535<br>13.59                     | 1.358<br>34.50 | 1.3/16 -18NEF   |
| 22         | 1.048<br>26.62 | 0.102<br>2.59                      | 1.562<br>39.68                     | 0.535<br>13.59                     | 1.483<br>37.67 | 1.5/16 - 18 NEF |
| 24         | 1.048<br>26.62 | 0.102<br>2.59                      | 1.687<br>42.85                     | 0.572<br>14.53                     | 1.610<br>40.90 | 1.7/16 - 18 NEF |

# Single Mole Fixing Receptacles



**5065**



**62G B-5065**



Single hole mounting with plain shell  
and film wire terminations



| Shell Size | A max | B $\pm 0.005$ ( $\pm 0.13$ ) | C sq. | D max | D min | F $\pm 0.005$ ( $\pm 0.13$ ) | H max | H min | J $\pm 0.020$ ( $\pm 0.51$ ) | K min | K max | L     | M -0.005 (-0.13) | N $\pm 0.005$ ( $\pm 0.13$ ) | R $\pm 0.005$ ( $\pm 0.13$ ) | S     | Y     | X Thread       |
|------------|-------|------------------------------|-------|-------|-------|------------------------------|-------|-------|------------------------------|-------|-------|-------|------------------|------------------------------|------------------------------|-------|-------|----------------|
| 08         | 1.021 | 0.117                        | 0.942 | 0.030 | 0.028 | 0.706                        | 0.218 | 0.178 | 0.060                        | 0.062 | 0.125 | 0.750 | 0.527            | 0.540                        | 0.572                        | 1.250 | 0.473 | 9/16 - 24 NEF  |
|            | 25.94 | 2.97                         | 23.93 | 0.76  | 0.71  | 17.93                        | 5.54  | 4.52  | 1.52                         | 1.58  | 3.18  | 19.05 | 13.3             | 13.72                        | 14.53                        | 31.75 | 12.03 |                |
| 10         | 1.021 | 0.117                        | 1.067 | 0.030 | 0.028 | 0.706                        | 0.218 | 0.178 | 0.060                        | 0.062 | 0.125 | 0.875 | 0.652            | 0.665                        | 0.697                        | 1.359 | 0.590 | 11/16 - 24 NEF |
|            | 25.94 | 2.97                         | 27.10 | 0.76  | 0.71  | 17.93                        | 5.54  | 4.52  | 1.52                         | 1.58  | 3.18  | 22.23 | 16.56            | 16.89                        | 17.70                        | 34.52 | 14.99 |                |
| 12         | 1.021 | 0.117                        | 1.255 | 0.030 | 0.028 | 0.706                        | 0.218 | 0.178 | 0.060                        | 0.062 | 0.125 | 1.062 | 0.815            | 0.828                        | 0.885                        | 1.531 | 0.750 | 7/8 - 20 UNEF  |
|            | 25.94 | 2.97                         | 31.88 | 0.76  | 0.71  | 17.93                        | 5.54  | 4.52  | 1.52                         | 1.58  | 3.18  | 26.98 | 20.70            | 21.03                        | 22.48                        | 38.89 | 19.05 |                |
| 14         | 1.021 | 0.117                        | 1.380 | 0.030 | 0.028 | 0.706                        | 0.218 | 0.178 | 0.060                        | 0.062 | 0.125 | 1.187 | 0.939            | 0.952                        | 1.010                        | 1.656 | 0.875 | 1 - 20 UNEF    |
|            | 25.94 | 2.97                         | 35.05 | 0.76  | 0.71  | 17.93                        | 5.54  | 4.52  | 1.52                         | 1.58  | 3.18  | 30.15 | 23.85            | 24.18                        | 25.65                        | 42.06 | 22.23 |                |
| 16         | 1.021 | 0.117                        | 1.505 | 0.030 | 0.028 | 0.706                        | 0.218 | 0.178 | 0.060                        | 0.062 | 0.125 | 1.312 | 1.063            | 1.076                        | 1.135                        | 1.781 | 1.000 | 1.1/8 - 18 NEF |
|            | 25.94 | 2.97                         | 38.23 | 0.76  | 0.71  | 17.93                        | 5.54  | 4.52  | 1.52                         | 1.58  | 3.18  | 33.32 | 27.00            | 27.33                        | 28.83                        | 45.24 | 25.40 |                |
| 18         | 1.021 | 0.117                        | 1.630 | 0.030 | 0.028 | 0.706                        | 0.218 | 0.178 | 0.060                        | 0.062 | 0.125 | 1.437 | 1.188            | 1.201                        | 1.260                        | 1.891 | 1.125 | 1.1/4 - 18 NEF |
|            | 25.94 | 2.97                         | 41.40 | 0.76  | 0.71  | 17.93                        | 5.54  | 4.52  | 1.52                         | 1.58  | 3.18  | 36.50 | 30.18            | 30.50                        | 32.00                        | 48.03 | 28.58 |                |
| 20         | 1.240 | 0.148                        | 1.817 | 0.030 | 0.028 | 0.894                        | 0.218 | 0.178 | 0.060                        | 0.062 | 0.250 | 1.562 | 1.313            | 1.326                        | 1.385                        | 2.031 | 1.250 | 1.3/8 - 18 NEF |
|            | 31.50 | 3.76                         | 46.15 | 0.76  | 0.71  | 22.71                        | 5.54  | 4.52  | 1.52                         | 1.58  | 6.35  | 38.68 | 33.35            | 33.68                        | 35.18                        | 51.59 | 31.75 |                |
| 22         | 1.240 | 0.148                        | 1.942 | 0.030 | 0.028 | 0.894                        | 0.218 | 0.178 | 0.060                        | 0.062 | 0.250 | 1.687 | 1.438            | 1.451                        | 1.510                        | 2.156 | 1.375 | 1.1/2 - 18 NEF |
|            | 31.50 | 3.76                         | 49.33 | 0.76  | 0.71  | 22.71                        | 5.54  | 4.52  | 1.52                         | 1.58  | 6.35  | 42.85 | 36.53            | 36.855                       | 38.35                        | 54.76 | 34.93 |                |
| 24         | 1.273 | 0.148                        | 2.067 | 0.030 | 0.028 | 0.927                        | 0.218 | 0.178 | 0.060                        | 0.062 | 0.250 | 1.812 | 1.563            | 1.576                        | 1.635                        | 2.277 | 1.500 | 1.5/8 - 18 NEF |
|            | 32.34 | 3.76                         | 52.50 | 0.76  | 0.71  | 23.55                        | 5.54  | 4.52  | 1.52                         | 1.58  | 6.35  | 46.05 | 39.70            | 40.03                        | 41.45                        | 57.84 | 38.10 |                |

**5067**



**62GB-5067**



Single hole mounting with plain shell  
and film wire terminations



| Shell Size | A max | B $\pm 0.005$ ( $\pm 0.13$ ) | C max sq. | D max | D min | F $\pm 0.005$ ( $\pm 0.13$ ) | H max | H min | J $\pm 0.012$ ( $\pm 0.30$ ) | K min | K max | L     | M -0.005 (-0.13) | N $\pm 0.005$ ( $\pm 0.13$ ) | R $\pm 0.005$ ( $\pm 0.13$ ) | S     | Y     | X Thread       |
|------------|-------|------------------------------|-----------|-------|-------|------------------------------|-------|-------|------------------------------|-------|-------|-------|------------------|------------------------------|------------------------------|-------|-------|----------------|
| 08         | 1.095 | 0.117                        | 0.942     | 0.030 | 0.028 | 0.706                        | 0.262 | 0.230 | 0.049                        | 0.062 | 0.125 | 0.750 | 0.527            | 0.540                        | 0.572                        | 1.250 | 0.473 | 9/16 - 24 NEF  |
|            | 27.81 | 2.97                         | 23.93     | 0.76  | 0.71  | 17.93                        | 6.66  | 5.85  | 1.24                         | 1.58  | 3.18  | 19.05 | 13.3             | 13.72                        | 14.53                        | 31.75 | 12.03 |                |
| 10         | 1.095 | 0.117                        | 1.067     | 0.030 | 0.028 | 0.706                        | 0.262 | 0.230 | 0.049                        | 0.062 | 0.125 | 0.875 | 0.652            | 0.665                        | 0.697                        | 1.359 | 0.590 | 11/16 - 24 NEF |
|            | 27.81 | 2.97                         | 27.10     | 0.76  | 0.71  | 17.93                        | 6.66  | 5.85  | 1.24                         | 1.58  | 3.18  | 22.23 | 16.56            | 16.89                        | 17.70                        | 34.52 | 14.99 |                |
| 12         | 1.095 | 0.117                        | 1.255     | 0.030 | 0.028 | 0.706                        | 0.262 | 0.230 | 0.049                        | 0.062 | 0.125 | 1.062 | 0.815            | 0.828                        | 0.885                        | 1.531 | 0.750 | 7/8 - 20 UNEF  |
|            | 27.81 | 2.97                         | 31.88     | 0.76  | 0.71  | 17.93                        | 6.66  | 5.85  | 1.24                         | 1.58  | 3.18  | 26.98 | 20.70            | 21.03                        | 22.50                        | 38.89 | 19.05 |                |
| 14         | 1.095 | 0.117                        | 1.380     | 0.030 | 0.028 | 0.706                        | 0.262 | 0.230 | 0.049                        | 0.062 | 0.125 | 1.187 | 0.939            | 0.952                        | 1.010                        | 1.656 | 0.875 | 1 - 20 UNEF    |
|            | 27.81 | 2.97                         | 35.10     | 0.76  | 0.71  | 17.93                        | 6.66  | 5.85  | 1.24                         | 1.58  | 3.18  | 30.15 | 23.85            | 24.18                        | 25.65                        | 42.06 | 22.23 |                |
| 16         | 1.095 | 0.117                        | 1.505     | 0.030 | 0.028 | 0.706                        | 0.262 | 0.230 | 0.049                        | 0.062 | 0.125 | 1.312 | 1.063            | 1.076                        | 1.135                        | 1.781 | 1.000 | 1.1/8 - 18 NEF |
|            | 27.81 | 2.97                         | 38.23     | 0.76  | 0.71  | 17.93                        | 6.66  | 5.85  | 1.24                         | 1.58  | 3.18  | 33.32 | 27.00            | 27.33                        | 28.83                        | 45.24 | 25.40 |                |
| 18         | 1.095 | 0.117                        | 1.630     | 0.030 | 0.028 | 0.706                        | 0.262 | 0.230 | 0.049                        | 0.062 | 0.125 | 1.437 | 1.188            | 1.201                        | 1.260                        | 1.891 | 1.125 | 1.1/4 - 18 NEF |
|            | 27.81 | 2.97                         | 41.40     | 0.76  | 0.71  | 17.93                        | 6.66  | 5.85  | 1.24                         | 1.58  | 3.18  | 36.50 | 30.18            | 30.51                        | 32.00                        | 48.03 | 28.58 |                |
| 20         | 1.309 | 0.148                        | 1.817     | 0.030 | 0.028 | 0.894                        | 0.262 | 0.230 | 0.049                        | 0.062 | 0.250 | 1.562 | 1.313            | 1.326                        | 1.385                        | 2.031 | 1.250 | 1.3/8 - 18 NEF |
|            | 33.24 | 3.76                         | 46.15     | 0.76  | 0.71  | 22.71                        | 6.66  | 5.85  | 1.24                         | 1.58  | 6.35  | 38.68 | 33.35            | 33.68                        | 35.18                        | 51.59 | 31.75 |                |
| 22         | 1.309 | 0.148                        | 1.942     | 0.030 | 0.028 | 0.894                        | 0.262 | 0.230 | 0.049                        | 0.062 | 0.250 | 1.687 | 1.438            | 1.451                        | 1.510                        | 2.156 | 1.375 | 1.1/2 - 18 NEF |
|            | 33.24 | 3.76                         | 49.33     | 0.76  | 0.71  | 22.71                        | 6.66  | 5.85  | 1.24                         | 1.58  | 6.35  | 42.85 | 36.53            | 36.86                        | 38.35                        | 54.76 | 34.93 |                |
| 24         | 1.342 | 0.148                        | 2.067     | 0.030 | 0.028 | 0.927                        | 0.262 | 0.230 | 0.049                        | 0.062 | 0.250 | 1.812 | 1.563            | 1.576                        | 1.635                        | 2.277 | 1.500 | 1.5/8 - 18 NEF |
|            | 34.08 | 3.76                         | 52.50     | 0.76  | 0.71  | 23.55                        | 6.66  | 5.85  | 1.24                         | 1.58  | 6.35  | 46.03 | 39.07            | 40.03                        | 41.59                        | 57.84 | 38.10 |                |

# Cable Mounting Receptacles

## Table of Styles

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# Cable Mounting Receptacles

**51T**



**62GB-51T**

Basic cable mounting receptacle with threaded shell to accept standard cable accessories.



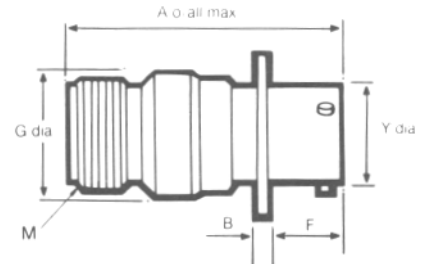
| Shell Size | A max          | B<br>± 0.005<br>(± 0.13) | C max<br>sq    | F<br>± 0.005<br>(± 0.13)       | Y<br>dia<br>max | X<br>Thread     |
|------------|----------------|--------------------------|----------------|--------------------------------|-----------------|-----------------|
| 08         | 0.978<br>24.84 | 0.094<br>2.39            | 0.817<br>20.75 | 0.415<br>10.54                 | 0.473<br>12.03  | 7/16 - 28 UNEF  |
| 10         | 0.978<br>24.84 | 0.094<br>2.39            | 0.942<br>23.93 | 0.415<br>10.54                 | 0.590<br>14.99  | 9/16 - 24 NEF   |
| 12         | 0.978<br>24.84 | 0.094<br>2.39            | 1.036<br>26.32 | 0.415<br>10.54                 | 0.750<br>19.05  | 11 /16 - 24 NEF |
| 14         | 0.978<br>24.84 | 0.094<br>2.39            | 1.130<br>28.70 | 0.415<br>10.54                 | 0.875<br>22.23  | 13/16 - 20 UNEF |
| 16         | 0.978<br>24.84 | 0.094<br>2.39            | 1.223<br>31.07 | 0.415<br>10.54                 | 1.000<br>25.40  | 15/16 - 20 UNEF |
| 18         | 0.978<br>24.84 | 0.094<br>2.39            | 1.317<br>33.45 | 0.415<br>10.54                 | 1.125<br>28.58  | 1.1/16 -18 NEF  |
| 20         | 1.048<br>26.62 | 0.102<br>2.59            | 1.442<br>36.63 | 0.535<br>13.59                 | 1.250<br>31.75  | 1 .3/16 -18 NEF |
| 22         | 1.048<br>26.62 | 0.102<br>2.59            | 1.567<br>39.80 | 0.535<br>13.59                 | 1.375<br>34.93  | 1.5/16 -18 NEF  |
| 24         | 1.048<br>26.62 | 0.102<br>2.59            | 1.692<br>42.98 | 0.560 / 0.574<br>14.23 / 14.58 | 1.500<br>38.10  | 1.7/16 -18 NEF  |

**11A**



**62GB-11A**

Cable mounting receptacle with general duty back shell. No grommet supplied.



| Shell Size | A max          | B<br>± 0.005<br>(± 0.13)     | C max<br>sq    | F<br>± 0.005<br>(± 0.13)       | G<br>dia<br>max | Y<br>Dia<br>max | M<br>Thread     |
|------------|----------------|------------------------------|----------------|--------------------------------|-----------------|-----------------|-----------------|
| 08         | 1.624<br>41.25 | 0.094<br>2.39                | 0.817<br>20.75 | 0.415<br>10.54                 | 0.561<br>14.25  | 0.473<br>12.03  | 1/2 - 28 UNEF   |
| 10         | 1.624<br>41.25 | 0.094<br>2.39                | 0.942<br>23.93 | 0.415<br>10.54                 | 0.686<br>17.43  | 0.590<br>14.99  | 5/8 - 24 NEF    |
| 12         | 1.624<br>41.25 | 0.094<br>2.39                | 1.036<br>26.32 | 0.415<br>10.54                 | 0.811<br>20.60  | 0.750<br>19.05  | 3/4 - 20 UNEF   |
| 14         | 1.624<br>41.25 | 0.094<br>2.39                | 1.130<br>28.70 | 0.415<br>10.54                 | 0.936<br>23.78  | 0.875<br>22.23  | 7/8 - 20 UNEF   |
| 16         | 1.624<br>41.25 | 0.094<br>2.39                | 1.223<br>31.07 | 0.415<br>10.54                 | 1.061<br>26.95  | 1.000<br>25.40  | 1 – 20 UNEF     |
| 18         | 1.624<br>41.25 | 0.094<br>2.39                | 1.317<br>33.45 | 0.415<br>10.54                 | 1.186<br>30.13  | 1.125<br>28.58  | 1.3/16 – 18 NEF |
| 20         | 1.687<br>42.85 | 0.104 / 0.100<br>2.64 / 2.55 | 1.442<br>36.63 | 0.535<br>13.59                 | 1.311<br>33.30  | 1.250<br>31.75  | 1 3/16 -18 NEF  |
| 22         | 1.687<br>42.85 | 0.104 / 0.100<br>2.64 / 2.55 | 1.567<br>39.80 | 0.535<br>13.59                 | 1.436<br>36.75  | 1.375<br>34.93  | 1.7/16 -18 NEF  |
| 24         | 1.730<br>43.94 | 0.104 / 0.100<br>2.64 / 2.55 | 1.692<br>42.98 | 0.569 / 0.574<br>14.45 / 14.58 | 1.561<br>39.65  | 1.500<br>38.10  | 1.7/16 -18 NEF  |

# Cable Mounting Receptacles

**11E**



**62GB-11E**

**MIL-C-26482 MS3111E**

Cable mounting receptacle with grommet and grommet nut



| Shell Size | A max | B<br>± 0.005<br>(± 0.13) | C max<br>sq | F<br>± 0.005<br>(± 0.13) | G dia<br>max | Y dia<br>max |
|------------|-------|--------------------------|-------------|--------------------------|--------------|--------------|
| 08         | 1.281 | 0.094                    | 0.817       | 0.415                    | 0.561        | 0.473        |
|            | 32.54 | 2.39                     | 20.75       | 10.54                    | 14.25        | 12.03        |
| 10         | 1.281 | 0.094                    | 0.942       | 0.415                    | 0.686        | 0.590        |
|            | 32.54 | 2.39                     | 23.93       | 10.54                    | 17.43        | 14.99        |
| 12         | 1.281 | 0.094                    | 1.036       | 0.415                    | 0.811        | 0.750        |
|            | 32.54 | 2.39                     | 26.32       | 10.54                    | 20.60        | 19.05        |
| 14         | 1.281 | 0.094                    | 1.130       | 0.415                    | 0.936        | 0.875        |
|            | 32.54 | 2.39                     | 28.70       | 10.54                    | 23.78        | 22.23        |
| 16         | 1.281 | 0.094                    | 1.223       | 0.415                    | 1.061        | 1.000        |
|            | 32.54 | 2.39                     | 31.07       | 10.54                    | 26.95        | 25.40        |
| 18         | 1.281 | 0.094                    | 1.317       | 0.415                    | 1.186        | 1.125        |
|            | 32.54 | 2.39                     | 33.45       | 10.54                    | 30.13        | 28.58        |
| 20         | 1.383 | 0.102                    | 1.442       | 0.535                    | 1.311        | 1.250        |
|            | 35.13 | 2.59                     | 36.63       | 13.59                    | 33.30        | 31.75        |
| 22         | 1.383 | 0.102                    | 1.567       | 0.535                    | 1.436        | 1.375        |
|            | 35.13 | 2.59                     | 39.80       | 13.59                    | 36.75        | 34.93        |
| 24         | 1.383 | 0.102                    | 1.692       | 0.569 / 0.574            | 1.561        | 1.500        |
|            | 35.13 | 2.59                     | 42.98       | 14.45 / 14.58            | 39.65        | 38.10        |

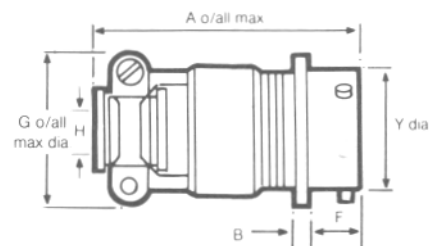
**11F**



**62GB-11F**

**MIL-C-26482 MS3111F**

Cable mounting receptacle with grommet and grommet nut fitted with integral strain relief clamp



| Shell Size | A max | B<br>± 0.005<br>(± 0.13) | C max<br>sq | F<br>± 0.005<br>(± 0.13) | G dia<br>max | H<br>± 0.005<br>(± 0.13) | Y dia<br>max |
|------------|-------|--------------------------|-------------|--------------------------|--------------|--------------------------|--------------|
| 08         | 1.762 | 0.094                    | 0.817       | 0.415                    | 0.828        | 0.156                    | 0.473        |
|            | 44.75 | 2.39                     | 20.75       | 10.54                    | 21.03        | 3.96                     | 12.03        |
| 10         | 1.762 | 0.094                    | 0.942       | 0.415                    | 0.891        | 0.188                    | 0.590        |
|            | 44.75 | 2.39                     | 23.93       | 10.54                    | 22.63        | 4.78                     | 14.99        |
| 12         | 1.762 | 0.094                    | 1.036       | 0.415                    | 1.016        | 0.312                    | 0.750        |
|            | 44.75 | 2.39                     | 26.32       | 10.54                    | 25.81        | 7.93                     | 19.05        |
| 14         | 1.736 | 0.094                    | 1.130       | 0.415                    | 1.141        | 0.375                    | 0.875        |
|            | 44.10 | 2.39                     | 28.70       | 10.54                    | 28.97        | 9.53                     | 22.23        |
| 16         | 1.876 | 0.094                    | 1.223       | 0.415                    | 1.203        | 0.500                    | 1.000        |
|            | 47.65 | 2.39                     | 31.07       | 10.54                    | 30.56        | 12.7                     | 25.40        |
| 18         | 1.876 | 0.094                    | 1.317       | 0.415                    | 1.426        | 0.625                    | 1.125        |
|            | 47.65 | 2.39                     | 33.45       | 10.54                    | 36.22        | 15.88                    | 28.58        |
| 20         | 2.118 | 0.104 / 0.100            | 1.442       | 0.535                    | 1.426        | 0.625                    | 1.250        |
|            | 53.80 | 2.64 / 2.55              | 36.63       | 13.59                    | 36.22        | 15.88                    | 31.75        |
| 22         | 2.118 | 0.104 / 0.100            | 1.567       | 0.535                    | 1.567        | 0.750                    | 1.375        |
|            | 53.80 | 2.64 / 2.55              | 39.80       | 13.59                    | 39.80        | 19.05                    | 34.93        |
| 24         | 2.250 | 0.104 / 0.100            | 1.692       | 0.569 / 0.574            | 1.735        | 0.800                    | 1.500        |
|            | 57.15 | 2.64 / 2.55              | 42.98       | 14.45 / 14.58            | 44.07        | 20.32                    | 38.10        |

# Cable Mounting Receptacles

**11J**



**62GB-11J**

With cable clamp for unscreened jacketed cable. No grommet supplied



| Shell Size | A max | B<br>$\pm 0.005$<br>( $\pm 0.13$ ) | C max<br>sq | F<br>$\pm 0.005$<br>( $\pm 0.13$ ) | G dia<br>max | Y dia<br>max | min<br>closed | Z<br>max<br>free |
|------------|-------|------------------------------------|-------------|------------------------------------|--------------|--------------|---------------|------------------|
| 08         | 1.846 | 0.094                              | 0.817       | 0.415                              | 0.561        | 0.473        | 0.168         | 0.230            |
|            | 46.89 | 2.39                               | 20.75       | 10.54                              | 14.25        | 12.03        | 4.28          | 5.84             |
| 10         | 1.846 | 0.094                              | 0.942       | 0.415                              | 0.686        | 0.590        | 0.205         | 0.312            |
|            | 46.89 | 2.39                               | 23.93       | 10.54                              | 17.43        | 14.99        | 5.21          | 7.93             |
| 12         | 1.947 | 0.094                              | 1.036       | 0.415                              | 0.811        | 0.750        | 0.338         | 0.442            |
|            | 49.45 | 2.39                               | 26.32       | 10.54                              | 20.60        | 19.05        | 8.59          | 11.23            |
| 14         | 2.147 | 0.094                              | 1.130       | 0.415                              | 0.936        | 0.875        | 0.416         | 0.539            |
|            | 54.54 | 2.39                               | 28.70       | 10.54                              | 23.78        | 22.23        | 10.57         | 13.69            |
| 16         | 2.347 | 0.094                              | 1.223       | 0.415                              | 1.061        | 1.000        | 0.550         | 0.616            |
|            | 59.61 | 2.39                               | 31.07       | 10.54                              | 26.95        | 25.40        | 13.97         | 15.65            |
| 18         | 2.547 | 0.094                              | 1.317       | 0.415                              | 1.186        | 1.125        | 0.600         | 0.672            |
|            | 64.70 | 2.39                               | 33.45       | 10.54                              | 30.13        | 28.58        | 15.24         | 17.07            |
| 20         | 2.831 | 0.102                              | 1.442       | 0.535                              | 1.311        | 1.250        | 0.635         | 0.747            |
|            | 71.91 | 2.59                               | 36.63       | 13.59                              | 33.30        | 31.75        | 16.13         | 18.98            |
| 22         | 3.031 | 0.102                              | 1.567       | 0.535                              | 1.436        | 1.375        | 0.670         | 0.846            |
|            | 76.99 | 2.59                               | 39.80       | 13.59                              | 36.75        | 34.93        | 17.02         | 21.49            |
| 24         | 3.074 | 0.102                              | 1.692       | 0.569 / 0.574                      | 1.561        | 1.500        | 0.740         | 0.894            |
|            | 78.03 | 2.59                               | 42.98       | 14.45 / 14.58                      | 39.65        | 38.10        | 18.80         | 22.71            |

**11P**



**62GB-11P**  
**MIL-C-26482 MS3111P**

For potted seal supplied complete with detachable potting mould and location ring

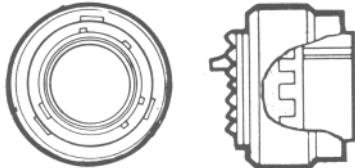
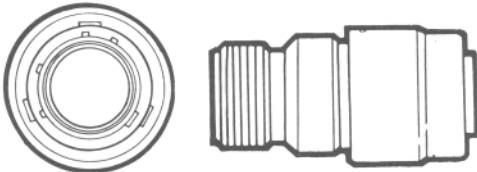
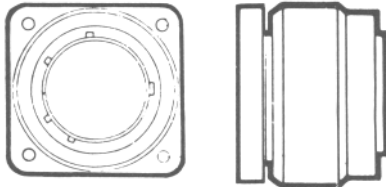
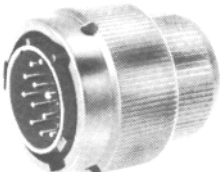
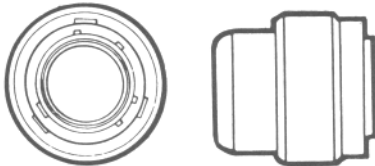
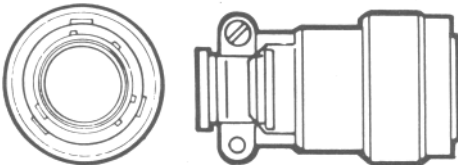
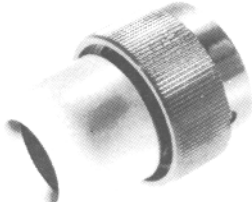


| Shell Size | A max | B<br>$\pm 0.005$<br>( $\pm 0.13$ ) | C max<br>sq | F<br>$\pm 0.005$<br>( $\pm 0.13$ ) | G dia<br>max | Y dia<br>max | Z<br>min |
|------------|-------|------------------------------------|-------------|------------------------------------|--------------|--------------|----------|
| 08         | 1.316 | 0.094                              | 0.817       | 0.415                              | 0.572        | 0.473        | 0.260    |
|            | 33.43 | 2.39                               | 20.75       | 10.54                              | 14.53        | 12.03        | 6.60     |
| 10         | 1.425 | 0.094                              | 0.942       | 0.415                              | 0.666        | 0.590        | 0.463    |
|            | 36.20 | 2.39                               | 23.93       | 10.54                              | 16.92        | 14.99        | 11.76    |
| 12         | 1.394 | 0.094                              | 1.036       | 0.415                              | 0.822        | 0.750        | 0.557    |
|            | 35.41 | 2.39                               | 26.32       | 10.54                              | 20.88        | 19.05        | 14.15    |
| 14         | 1.394 | 0.094                              | 1.130       | 0.415                              | 0.907        | 0.875        | 0.590    |
|            | 35.41 | 2.39                               | 28.70       | 10.54                              | 23.04        | 22.23        | 14.99    |
| 16         | 1.394 | 0.094                              | 1.223       | 0.415                              | 1.040        | 1.000        | 0.713    |
|            | 35.41 | 2.39                               | 31.07       | 10.54                              | 26.42        | 25.40        | 18.11    |
| 18         | 1.394 | 0.094                              | 1.317       | 0.415                              | 1.165        | 1.125        | 0.835    |
|            | 35.41 | 2.39                               | 33.45       | 10.54                              | 29.59        | 28.58        | 22.21    |
| 20         | 1.612 | 0.102                              | 1.442       | 0.535                              | 1.285        | 1.250        | 1.015    |
|            | 40.95 | 2.59                               | 36.63       | 13.59                              | 32.64        | 31.75        | 25.78    |
| 22         | 1.612 | 0.102                              | 1.567       | 0.535                              | 1.400        | 1.375        | 1.015    |
|            | 40.95 | 2.59                               | 39.80       | 13.59                              | 35.56        | 34.93        | 25.78    |
| 24         | 1.674 | 0.102                              | 1.692       | 0.569 / 0.574                      | 1.540        | 1.500        | 1.265    |
|            | 42.52 | 2.59                               | 42.98       | 14.45 / 14.58                      | 39.12        | 38.10        | 32.13    |

# Plugs

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# Plugs

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# Plugs

56T



62GB-56T



Basic plug with threaded shell to accept standard cable accessories

| Shell Size | A Max | C max | X Thread         |
|------------|-------|-------|------------------|
| 08         | 0.976 | 0.750 | 7/16 - 28 UNEF   |
|            | 24.79 | 19.05 |                  |
| 10         | 0.976 | 0.859 | 9/16 - 24 NEF    |
|            | 24.79 | 21.82 |                  |
| 12         | 0.976 | 1.031 | 11/16 -24NEF     |
|            | 24.79 | 26.19 |                  |
| 14         | 0.976 | 1.156 | 13/16 - 20 UNEF  |
|            | 24.79 | 29.36 |                  |
| 16         | 0.976 | 1.281 | 15/16 - 20 UNEF  |
|            | 24.79 | 32.54 |                  |
| 18         | 0.976 | 1.391 | 1.1 /16 - 18 NEF |
|            | 24.79 | 35.33 |                  |
| 20         | &976  | 1.531 | 1.3/16 - 18 NEF  |
|            | 24.79 | 38.89 |                  |
| 22         | 0.976 | 1.656 | 1.5/16 - 18 NEF  |
|            | 24.79 | 42.06 |                  |
| 24         | 0.976 | 1.777 | 1.7/16 - 18 NEF  |
|            | 24.79 | 45.14 |                  |

56TG



62GB-56TG



Basic plug with threaded shell to accept standard cable accessories. Has shell grounding spring fingers

| Shell Size | A max | C max | X Thread         |
|------------|-------|-------|------------------|
| 08         | 0.976 | 0.750 | 7/16 - 28 UNEF   |
|            | 24.79 | 19.05 |                  |
| 10         | 0.976 | 0.859 | 9/16 - 24 NEF    |
|            | 24.79 | 21.82 |                  |
| 12         | 0.976 | 1.031 | 11/16 – 24 NEF   |
|            | 24.79 | 26.19 |                  |
| 14         | 0.976 | 1.156 | 13/16 – 20 UNEF  |
|            | 24.79 | 29.36 |                  |
| 16         | 0.976 | 1.281 | 15/16 - 20 UNEF  |
|            | 24.79 | 32.54 |                  |
| 18         | 0.976 | 1.391 | 1.1 /16 - 18 NEF |
|            | 24.79 | 35.33 |                  |
| 20         | 0.976 | 1.531 | 1.3/16 - 18 NEF  |
|            | 24.79 | 38.89 |                  |
| 22         | 0.976 | 1.656 | 1.5/16 - 18 NEF  |
|            | 24.79 | 42.06 |                  |
| 24         | 0.976 | 1.777 | 11/16 - 18 NEF   |
|            | 24.79 | 45.14 |                  |

# Plugs

**16A**



**62GB-1 6A**

Plug with general duty back shell.  
No grommet provided.



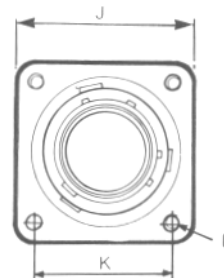
| Shell Size | A max | C max | G max | M Thread        |
|------------|-------|-------|-------|-----------------|
| 08         | 1.614 | 0.750 | 0.561 | 1/2 - 28 UNEF   |
|            | 41.00 | 19.05 | 14.25 |                 |
| 10         | 1.614 | 0.859 | 0.686 | 5/8 - 24 NEF    |
|            | 41.00 | 21.82 | 17.43 |                 |
| 12         | 1.614 | 1.031 | 0.811 | 3/4 - 20 UNEF   |
|            | 41.00 | 26.19 | 20.60 |                 |
| 14         | 1.614 | 1.156 | 0.936 | 7/8 - 20 UNEF   |
|            | 41.00 | 29.36 | 23.78 |                 |
| 16         | 1.614 | 1.281 | 1.061 | 1 - 20 UNEF     |
|            | 41.00 | 32.54 | 26.95 |                 |
| 18         | 1.614 | 1.391 | 1.186 | 1.3/16 -18 NEF  |
|            | 41.00 | 35.33 | 30.13 |                 |
| 20         | 1.614 | 1.531 | 1.311 | 1.3/16 - 18 NEF |
|            | 41.00 | 38.89 | 33.30 |                 |
| 22         | 1.614 | 1.656 | 1.436 | 1.7/16 - 18 NEF |
|            | 41.00 | 42.06 | 36.75 |                 |
| 24         | 1.658 | 1.777 | 1.561 | 1.7116 - 18 NEF |
|            | 42.11 | 45.14 | 39.65 |                 |

**56T**



**62GB-56T(046)**

Box-mounting plug. Available for shell size 16:  
other sizes to special order. Cable accessories  
cannot be fitted.



| Shell Size | A max | J max | K     | L       |
|------------|-------|-------|-------|---------|
| 16         | 1.042 | 1.317 | 1.000 | 6.32 NC |
|            | 26.47 | 33.45 | 25.40 |         |
| 20         | 1.042 | 1.625 | 1.250 | 6.32 NC |
|            | 26.47 | 41.28 | 31.75 |         |
| 22         | 1.042 | 1.625 | 1.250 | 6.32 NC |
|            | 26.47 | 41.28 | 31.75 |         |

# Plugs

16E



62GB-16E  
MIL - C26482 MS3116E




Plug with grommet and grommet nut

| Shell Size | A max | C max | G max   |
|------------|-------|-------|---------|
| 08         | 1.281 | 0.750 | 0.561   |
|            | 32.54 | 1.05  | 14.25   |
| 10         | 1.281 | 0.859 | 0.686   |
|            | 32.54 | 21.82 | 17.431  |
| 12         | 1.281 | 1.031 | 0.811   |
|            | 32.54 | 26.19 | 20.60   |
| 14         | 1.281 | 1.156 | 0.936 l |
|            | 32.54 | 29.36 | 23.78   |
| 16         | 1.281 | 1.281 | 1.061   |
|            | 32.54 | 32.54 | 26.95   |
| 18         | 1.281 | 1.391 | 1.186   |
|            | 32.54 | 35.33 | 30.13   |
| 20         | 1.281 | 1.531 | 1.311   |
|            | 32.54 | 38.89 | 33.30   |
| 22         | 1.281 | 1.656 | 1.436   |
|            | 32.54 | 42.06 | 36.75   |
| 24         | 1.281 | 1.777 | 1.561   |
|            | 32.54 | 45.14 | 39.65   |

16F



62GB-16F  
MIL - C26482 MS3116F




Plug with grommet and grommet nut fitted with integral strain relief clamp.

| Shell Size | A max | C dia max | G dia max | H ± 0.005 (± 0.13) |
|------------|-------|-----------|-----------|--------------------|
| 08         | 1.752 | 0.750     | 0.828     | 0.156              |
|            | 44.50 | 19.05     | 21.03     | 3.96               |
| 10         | 1.752 | 0.859     | 0.891     | 0.188              |
|            | 44.50 | 21.82     | 22.63     | 4.78               |
| 12         | 1.752 | 1.031     | 1.016     | 0.312              |
|            | 44.50 | 26.19     | 25.81     | 7.93               |
| 14         | 1.726 | 1.156     | 1.141     | 0.375              |
|            | 43.84 | 29.36     | 28.97     | 9.53               |
| 16         | 1.866 | 1.281     | 1.203     | 0.500              |
|            | 47.40 | 32.54     | 30.56     | 12.70              |
| 18         | 1.866 | 1.391     | 1.426     | 0.625              |
|            | 47.40 | 35.33     | 36.22     | 15.88              |
| 20         | 2.040 | 1.531     | 1.426     | 0.625              |
|            | 51.81 | 38.89     | 36.22     | 15.88              |
| 22         | 2.040 | 1.656     | 1.567     | 0.750              |
|            | 51.81 | 42.06     | 39.80     | 19.05              |
| 24         | 2.178 | 1.777     | 1.735     | 0.800              |
|            | 55.32 | 45.14     | 44.07     | 20.32              |

# Plugs

**16P**



**62GB-16P**

**MIL-C26482 MS3116P**

For potted seal. Supplied complete with detachable potting mould and location ring.



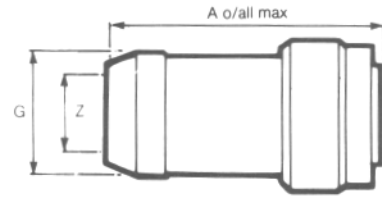
| Shell Size | A max          | C max          | G max          | Z min          |
|------------|----------------|----------------|----------------|----------------|
| 08         | 1.306<br>33.17 | 0.750<br>19.05 | 0.572<br>14.53 | 0.260<br>6.60  |
| 10         | 1.415<br>35.94 | 0.859<br>21.82 | 0.666<br>16.92 | 0.463<br>11.76 |
| 12         | 1.384<br>35.15 | 1.031<br>26.19 | 0.822<br>20.88 | 0.557<br>14.14 |
| 14         | 1.384<br>35.15 | 1.156<br>29.36 | 0.907<br>23.04 | 0.590<br>14.99 |
| 16         | 1.384<br>35.15 | 1.281<br>32.54 | 1.040<br>26.41 | 0.713<br>18.11 |
| 18         | 1.384<br>35.15 | 1.391<br>35.33 | 1.165<br>29.59 | 0.835<br>22.21 |
| 20         | 1.539<br>39.09 | 1.531<br>38.89 | 1.285<br>32.64 | 1.015<br>25.78 |
| 22         | 1.539<br>39.09 | 1.656<br>42.06 | 1.400<br>35.56 | 1.015<br>25.78 |
| 24         | 1.602<br>40.69 | 1.777<br>45.14 | 1.540<br>39.12 | 1.265<br>32.13 |

**16J**



**62GB - 16J**

Plug with cable clamp for unscreened jacketed cable. No grommet supplied.



| Shell Size | A max          | C max          | G max          | Z min          | Z max          |
|------------|----------------|----------------|----------------|----------------|----------------|
| 08         | 1.836<br>46.64 | 0.750<br>19.05 | 0.561<br>14.25 | 0.168<br>4.28  | 0.230<br>5.84  |
| 10         | 1.836<br>46.64 | 0.859<br>21.82 | 0.686<br>17.43 | 0.205<br>5.21  | 0.312<br>7.93  |
| 12         | 1.937<br>49.20 | 1.031<br>26.19 | 0.811<br>20.60 | 0.388<br>8.59  | 0.442<br>11.23 |
| 14         | 2.137<br>54.28 | 1.156<br>29.36 | 0.936<br>23.78 | 0.416<br>10.57 | 0.539<br>13.69 |
| 16         | 2.337<br>59.36 | 1.281<br>32.54 | 1.061<br>26.95 | 0.550<br>13.97 | 0.616<br>15.65 |
| 18         | 2.537<br>64.45 | 1.391<br>35.33 | 1.186<br>30.13 | 0.600<br>15.24 | 0.672<br>17.07 |
| 20         | 2.758<br>70.05 | 1.531<br>38.89 | 1.311<br>33.30 | 0.635<br>16.13 | 0.747<br>18.98 |
| 22         | 2.958<br>75.13 | 1.656<br>42.06 | 1.436<br>36.75 | 0.670<br>17.02 | 0.846<br>21.49 |
| 24         | 3.002<br>76.25 | 1.777<br>45.14 | 1.561<br>39.65 | 0.740<br>18.80 | 0.894<br>22.71 |

# Plugs

**5039**

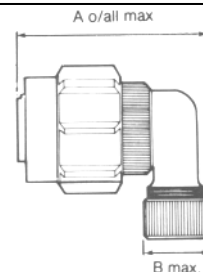
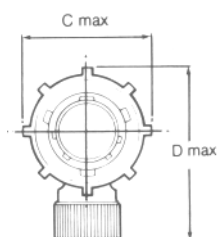


**62GB-5039-10**

**SD/C 235 155 - X**

**SD/C 235 156 - X**

Low profile, solder termination plug with 90° screened cable outlet.



| Shell Size | A max          | B max          | C max          | D max          |
|------------|----------------|----------------|----------------|----------------|
| 10         | 1.473<br>37.41 | 0.500<br>12.70 | 0.980<br>24.89 | 1.500<br>38.10 |

**5055**



**62GB-5055-10**

**SD/2 235 193 - X**

Low profile solder termination plug with size 12 90° screened cable outlet.



| Shell Size | A max          | B max          | C max          | D max          |
|------------|----------------|----------------|----------------|----------------|
| 10         | 1.800<br>45.72 | 0.655<br>16.64 | 0.980<br>24.89 | 1.800<br>45.72 |

**5056**



**62GB-5056-10**

Audio plug with solder termination



| Shell Size | A max          | B max                          | C max         |
|------------|----------------|--------------------------------|---------------|
| 10         | 2.375<br>60.33 | 0.979 / 0.969<br>24.87 / 24.61 | 0.310<br>7.87 |

# Plugs

**5074**



**62GB-5074**

Flange mounting push/pull plug with threaded shell to accept standard cable accessories.

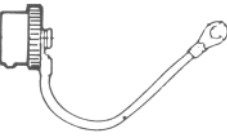


| Shell Size | A max | B max | C     | L             |
|------------|-------|-------|-------|---------------|
| 10         | 0.912 | 1.125 | 0.866 | 9/16 - 24 NEF |
|            | 23.17 | 28.57 | 22.00 |               |
| 12         | 0.912 | 1.218 | 0.969 | 9/16 - 24 NEF |
|            | 23.17 | 30.93 | 24.61 |               |
| 14         | 0.912 | 1.312 | 1.062 | 9/16 - 24 NEF |
|            | 23.17 | 33.32 | 26.97 |               |

# Accessories

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# Accessories

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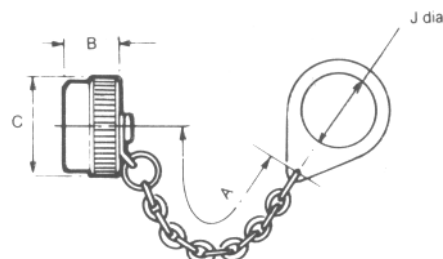
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# Accessories

**736**



**62GB-736**



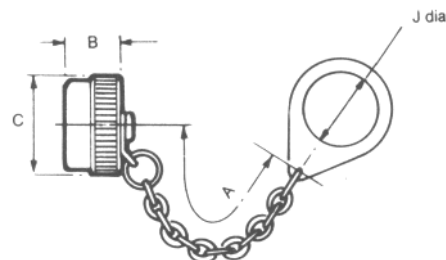
Caps and chains for single hole mounting receptacles

| Shell Size | A<br>$\pm 0.25$<br>( $\pm 6.35$ ) | B<br>$\pm 0.005$<br>( $\pm 0.13$ ) | C<br>dia<br>max | J<br>$\pm 0.005$<br>( $\pm 0.127$ ) |
|------------|-----------------------------------|------------------------------------|-----------------|-------------------------------------|
| 08         | 3.0                               | 0.521                              | 0.734           | 0.578                               |
|            | 76.2                              | 13.23                              | 18.64           | 14.68                               |
| 10         | 3.0                               | 0.521                              | 0.859           | 0.703                               |
|            | 76.2                              | 13.23                              | 21.82           | 17.86                               |
| 12         | 3.5                               | 0.521                              | 1.000           | 0.891                               |
|            | 88.9                              | 13.23                              | 25.4            | 22.63                               |
| 14         | 3.5                               | 0.521                              | 1.125           | 1.016                               |
|            | 88.9                              | 13.23                              | 28.57           | 25.81                               |
| 16         | 3.5                               | 0.521                              | 1.250           | 1.141                               |
|            | 88.9                              | 13.23                              | 31.75           | 29.39                               |
| 18         | 3.5                               | 0.521                              | 1.375           | 1.266                               |
|            | 88.9                              | 13.23                              | 34.92           | 32.16                               |
| 20         | 4.0                               | 0.521                              | 1.500           | 1.391                               |
|            | 101.6                             | 13.23                              | 38.1            | 35.33                               |
| 22         | 4.0                               | 0.521                              | 1.625           | 1.516                               |
|            | 101.6                             | 13.23                              | 41.27           | 38.51                               |
| 24         | 4.0                               | 0.556                              | 1.750           | 1.641                               |
|            | 101.6                             | 14.12                              | 44.45           | 41.68                               |

**737**



**62GB-737**



Caps and chains for cable mounting receptacles.

| Shell Size | A<br>$\pm 0.25$<br>( $\pm 6.35$ ) | B<br>$\pm 0.005$<br>( $\pm 0.13$ ) | C<br>dia<br>max | J<br>$\pm 0.005$<br>( $\pm 0.127$ ) |
|------------|-----------------------------------|------------------------------------|-----------------|-------------------------------------|
| 08         | 3.0                               | 0.521                              | 0.734           | 0.458                               |
|            | 76.2                              | 13.23                              | 18.64           | 11.63                               |
| 10         | 3.0                               | 0.521                              | 0.859           | 0.583                               |
|            | 76.2                              | 13.23                              | 21.82           | 14.81                               |
| 12         | 3.5                               | 0.521                              | 1.000           | 0.708                               |
|            | 88.9                              | 13.23                              | 25.4            | 17.98                               |
| 14         | 3.5                               | 0.521                              | 1.125           | 0.896                               |
|            | 88.9                              | 13.23                              | 28.57           | 22.76                               |
| 16         | 3.5                               | 0.521                              | 1.250           | 1.021                               |
|            | 88.9                              | 13.23                              | 31.75           | 25.93                               |
| 18         | 3.5                               | 0.521                              | 1.375           | 1.146                               |
|            | 88.9                              | 13.23                              | 34.92           | 29.11                               |
| 20         | 4.0                               | 0.521                              | 1.500           | 1.271                               |
|            | 101.6                             | 13.23                              | 38.1            | 32.28                               |
| 22         | 4.0                               | 0.521                              | 1.625           | 1.396                               |
|            | 101.6                             | 13.23                              | 41.27           | 35.46                               |
| 24         | 4.0                               | 0.556                              | 1.750           | 1.521                               |
|            | 101.6                             | 14.12                              | 44.45           | 38.63                               |

# Accessories

**738**



**62GB-738**

Caps and chains for flange mounting receptacles.



| Shell Size | A<br>$\pm 0.25$<br>( $\pm 6.35$ ) | B<br>$\pm 0.005$<br>( $\pm 0.13$ ) | C<br>dia<br>max | J<br>$\pm 0.005$<br>( $\pm 0.127$ ) |
|------------|-----------------------------------|------------------------------------|-----------------|-------------------------------------|
| 08         | 3.0<br>76.2                       | 0.521<br>13.23                     | 0.734<br>18.64  | 0.125<br>3.18                       |
| 10         | 3.0<br>76.2                       | 0.521<br>13.23                     | 0.859<br>21.82  | 0.125<br>3.18                       |
| 12         | 3.5<br>88.9                       | 0.521<br>13.23                     | 1.000<br>25.4   | 0.125<br>3.18                       |
| 14         | 3.5<br>88.9                       | 0.521<br>13.23                     | 1.125<br>28.57  | 0.125<br>3.18                       |
| 16         | 3.5<br>88.9                       | 0.521<br>13.23                     | 1.250<br>31.75  | 0.125<br>3.18                       |
| 18         | 3.5<br>88.9                       | 0.521<br>13.23                     | 1.375<br>34.92  | 0.125<br>3.18                       |
| 20         | 4.0<br>101.6                      | 0.521<br>13.23                     | 1.500<br>38.1   | 0.125<br>3.18                       |
| 22         | 4.0<br>101.6                      | 0.521<br>13.23                     | 1.625<br>41.27  | 0.125<br>3.18                       |
| 24         | 4.0<br>101.6                      | 0.556<br>14.12                     | 1.750<br>44.45  | 0.152<br>3.86                       |

**742**



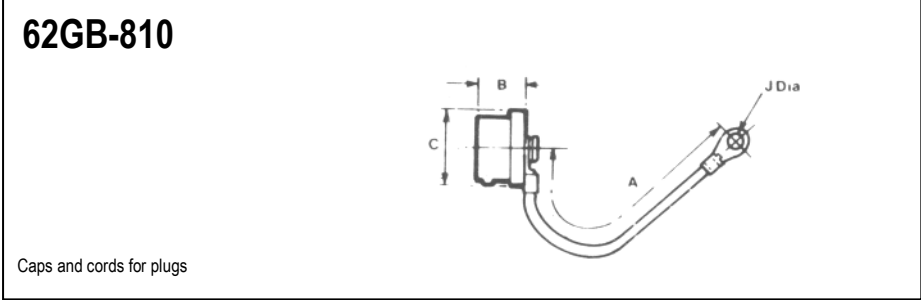
**62GB-742**

Caps and chains for plugs.

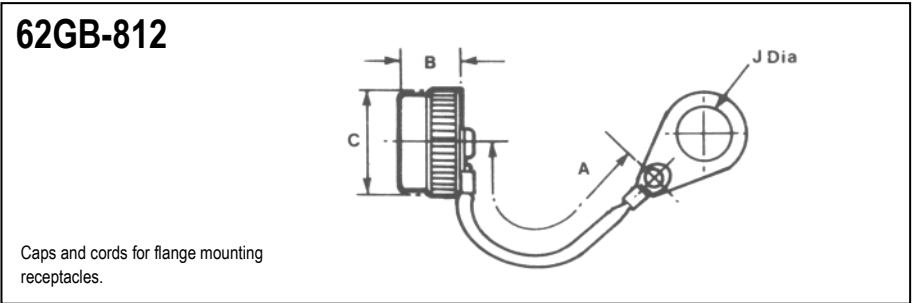


| Shell Size | A<br>$\pm 0.25$<br>( $\pm 6.35$ ) | B<br>$\pm 0.005$<br>( $\pm 0.13$ ) | C<br>dia<br>max | J<br>$\pm 0.005$<br>( $\pm 0.127$ ) |
|------------|-----------------------------------|------------------------------------|-----------------|-------------------------------------|
| 08         | 3.0<br>76.2                       | 0.522<br>13.25                     | 0.719<br>18.26  | 0.125<br>3.18                       |
| 10         | 3.0<br>76.2                       | 0.522<br>13.25                     | 0.844<br>21.43  | 0.125<br>3.18                       |
| 12         | 3.5<br>88.9                       | 0.522<br>13.25                     | 1.000<br>25.4   | 0.125<br>3.18                       |
| 14         | 3.5<br>88.9                       | 0.522<br>13.25                     | 1.125<br>28.57  | 0.125<br>3.18                       |
| 16         | 3.5<br>88.9                       | 0.522<br>13.25                     | 1.250<br>31.75  | 0.125<br>3.18                       |
| 18         | 3.5<br>88.9                       | 0.522<br>13.25                     | 1.357<br>34.92  | 0.125<br>3.18                       |
| 20         | 4.0<br>101.6                      | 0.584<br>14.83                     | 1.500<br>38.1   | 0.125<br>3.18                       |
| 22         | 4.0<br>101.6                      | 0.584<br>14.83                     | 1.625<br>41.27  | 0.125<br>3.18                       |
| 24         | 4.0<br>101.6                      | 0.617<br>15.67                     | 1.750<br>44.45  | 0.152<br>3.86                       |

# Accessories



| Shell Size | A<br>± 0.25<br>(± 6.35) | B<br>± 0.005<br>(± 0.13) | C<br>dia<br>max | J<br>± 0.003<br>(± 0.08) |
|------------|-------------------------|--------------------------|-----------------|--------------------------|
| 08         | 3.0                     | 0.522                    | 0.719           | 0.145                    |
|            | 76.2                    | 13.25                    | 18.26           | 3.68                     |
| 10         | 3.0                     | 0.522                    | 0.844           | 3.685                    |
|            | 76.2                    | 13.25                    | 21.43           | 3.68                     |
| 12         | 3.5                     | 0.522                    | 1.000           | 0.145                    |
|            | 88.9                    | 13.25                    | 25.4            | 3.68                     |
| 14         | 3.5                     | 0.522                    | 1.125           | 0.145                    |
|            | 88.9                    | 13.25                    | 28.57           | 3.68                     |
| 16         | 3.5                     | 0.522                    | 1.250           | 0.145                    |
|            | 88.9                    | 13.25                    | 31.75           | 3.68                     |
| 18         | 3.5                     | 0.522                    | 1.375           | 0.145                    |
|            | 88.9                    | 13.25                    | 34.93           | 3.68                     |
| 20         | 4.0                     | 0.584                    | 1.500           | 0.145                    |
|            | 101.6                   | 14.83                    | 38.1            | 3.68                     |
| 22         | 4.0                     | 0.584                    | 1.625           | 0.145                    |
|            | 101.6                   | 14.83                    | 41.27           | 3.68                     |
| 24         | 4.0                     | 0.617                    | 1.750           | 0.171                    |
|            | 101.6                   | 15.67                    | 44.45           | 4.34                     |



| Shell Size | A<br>± 0.25<br>(± 6.35) | B<br>± 0.005<br>(± 0.13) | C<br>dia<br>max | J<br>± 0.003<br>(± 0.08) |
|------------|-------------------------|--------------------------|-----------------|--------------------------|
| 08         | 3.0                     | 0.521                    | 0.734           | 0.145                    |
|            | 76.2                    | 13.23                    | 18.64           | 3.68                     |
| 10         | 3.0                     | 0.521                    | 0.859           | 0.145                    |
|            | 76.2                    | 13.23                    | 21.82           | 3.68                     |
| 12         | 3.5                     | 0.521                    | 1.000           | 0.145                    |
|            | 88.9                    | 13.23                    | 25.4            | 3.68                     |
| 14         | 3.5                     | 0.521                    | 1.125           | 0.145                    |
|            | 88.9                    | 13.23                    | 28.57           | 3.68                     |
| 16         | 3.5                     | 0.521                    | 1.250           | 0.145                    |
|            | 88.9                    | 13.23                    | 31.75           | 3.68                     |
| 18         | 3.5                     | 0.521                    | 1.375           | 0.145                    |
|            | 88.9                    | 13.23                    | 34.92           | 3.68                     |
| 20         | 4.0                     | 0.521                    | 1.500           | 0.145                    |
|            | 101.6                   | 13.23                    | 38.1            | 3.68                     |
| 22         | 4.0                     | 0.521                    | 1.625           | 0.145                    |
|            | 101.6                   | 13.23                    | 41.27           | 3.68                     |
| 24         | 4.0                     | 0.556                    | 1.750           | 0.171                    |
|            | 101.6                   | 14.12                    | 44.45           | 4.34                     |

# Accessories

**813**



**62GB-813**



Caps and cords for single hole mounting receptacles.

| Shell Size | A<br>$\pm 0.25$<br>( $\pm 6.35$ ) | B<br>$\pm 0.005$<br>( $\pm 0.13$ ) | C<br>max | J<br>$+ 0.010$<br>( $+ 0.25$ ) |
|------------|-----------------------------------|------------------------------------|----------|--------------------------------|
| 08         | 3.0                               | 0.521                              | 0.734    | 0.578                          |
|            | 76.2                              | 13.23                              | 18.64    | 14.68                          |
| 10         | 3.0                               | 0.521                              | 0.859    | 0.703                          |
|            | 76.2                              | 13.23                              | 21.82    | 17.86                          |
| 12         | 3.5                               | 0.521                              | 1.000    | 0.891                          |
|            | 88.9                              | 13.23                              | 25.4     | 22.63                          |
| 14         | 3.5                               | 0.521                              | 1.125    | 1.016                          |
|            | 88.9                              | 13.23                              | 28.57    | 25.81                          |
| 16         | 3.5                               | 0.521                              | 1.250    | 1.141                          |
|            | 88.9                              | 13.23                              | 31.75    | 29.39                          |
| 18         | 3.5                               | 0.521                              | 1.375    | 1.266                          |
|            | 88.9                              | 13.23                              | 34.92    | 32.16                          |
| 20         | 4.0                               | 0.521                              | 1.500    | 1.391                          |
|            | 101.0                             | 13.23                              | 38.1     | 35.33                          |
| 22         | 4.0                               | 0.521                              | 1.625    | 1.516                          |
|            | 101.6                             | 13.23                              | 41.27    | 38.56                          |
| 24         | 4.0                               | 0.556                              | 1.750    | 1.641                          |
|            | 101.6                             | 14.12                              | 44.45    | 41.68                          |

**814**



**62GB-814**



Caps and cords for cable mounting receptacles.

| Shell Size | A<br>$\pm 0.25$<br>( $\pm 6.35$ ) | B<br>$\pm 0.005$<br>( $\pm 0.13$ ) | C<br>max | J<br>$+0.010$<br>( $+ 0.25$ ) |
|------------|-----------------------------------|------------------------------------|----------|-------------------------------|
| 08         | 3.0                               | 0.521                              | 0.734    | 0.453                         |
|            | 76.2                              | 13.23                              | 18.64    | 11.50                         |
| 10         | 3.0                               | 0.521                              | 0.859    | 0.578                         |
|            | 76.2                              | 13.23                              | 21.82    | 14.64                         |
| 12         | 3.5                               | 0.521                              | 1.000    | 0.703                         |
|            | 88.9                              | 13.23                              | 25.4     | 17.85                         |
| 14         | 3.5                               | 0.521                              | 1.125    | 0.891                         |
|            | 88.9                              | 13.23                              | 28.57    | 22.63                         |
| 16         | 3.5                               | 0.521                              | 1.250    | 1.016                         |
|            | 88.9                              | 13.23                              | 31.75    | 25.80                         |
| 18         | 3.5                               | 0.521                              | 1.375    | 1.141                         |
|            | 88.9                              | 13.23                              | 34.92    | 28.98                         |
| 20         | 4.0                               | 0.521                              | 1.500    | 1.266                         |
|            | 101.6                             | 13.23                              | 38.1     | 32.15                         |
| 22         | 4.0                               | 0.521                              | 1.625    | 1.391                         |
|            | 101.6                             | 13.23                              | 41.27    | 35.33                         |
| 24         | 4.0                               | 0.556                              | 1.750    | 1.516                         |
|            | 101.6                             | 14.12                              | 44.45    | 38.50                         |

# Accessories

**997**



**62GB-997**



Caps and chains ribbed for single hole mounting receptacles.

| Shell Size | A<br>$\pm 0.25$<br>( $\pm 6.35$ ) | B<br>$\pm 0.005$<br>( $\pm 0.13$ ) | C<br>dia<br>max | J<br>$+ 0.010$<br>( $+ 0.25$ ) |
|------------|-----------------------------------|------------------------------------|-----------------|--------------------------------|
| 08         | 3.0                               | 0.521                              | 0.892           | 0.578                          |
|            | 76.2                              | 13.23                              | 22.66           | 14.69                          |
| 10         | 3.0                               | 0.521                              | 1.017           | 0.703                          |
|            | 76.2                              | 13.23                              | 26.84           | 17.86                          |
| 12         | 3.5                               | 0.521                              | 1.142           | 0.891                          |
|            | 88.9                              | 13.23                              | 29.01           | 22.64                          |
| 14         | 3.5                               | 0.521                              | 1.267           | 1.016                          |
|            | 88.9                              | 13.23                              | 32.19           | 25.81                          |
| 16         | 3.5                               | 0.521                              | 1.454           | 1.141                          |
|            | 88.9                              | 13.23                              | 36.94           | 28.99                          |
| 18         | 3.5                               | 0.521                              | 1.563           | 1.266                          |
|            | 88.9                              | 13.23                              | 39.70           | 32.16                          |
| 20         | 4.0                               | 0.521                              | 1.687           | 1.391                          |
|            | 101.6                             | 13.23                              | 42.85           | 35.34                          |
| 22         | 4.0                               | 0.521                              | 1.797           | 1.516                          |
|            | 101.6                             | 13.23                              | 45.65           | 38.51                          |
| 24         | 4.0                               | 0.556                              | 1.922           | 1.641                          |
|            | 101.6                             | 14.12                              | 48.82           | 41.69                          |

**998**



**62GB-998**



Caps and chains ribbed for plugs.

| Shell Size | A<br>$\pm 0.25$<br>( $\pm 6.35$ ) | g<br>max | C<br>dia<br>max | J<br>$\pm 0.005$<br>( $\pm 0.13$ ) |
|------------|-----------------------------------|----------|-----------------|------------------------------------|
| 08         | 3.0                               | 0.562    | 0.892           | 0.125                              |
|            | 76.2                              | 14.28    | 22.66           | 3.18                               |
| 10         | 3.0                               | 0.562    | 1.017           | 0.125                              |
|            | 76.2                              | 14.28    | 25.84           | 3.18                               |
| 12         | 3.5                               | 0.562    | 1.142           | 0.125                              |
|            | 88.9                              | 14.28    | 29.01           | 3.18                               |
| 14         | 3.5                               | 0.562    | 1.267           | 0.125                              |
|            | 88.9                              | 14.28    | 32.19           | 3.18                               |
| 16         | 3.5                               | 0.562    | 1.454           | 0.125                              |
|            | 88.9                              | 14.28    | 36.94           | 3.18                               |
| 18         | 3.5                               | 0.562    | 1.563           | 0.125                              |
|            | 88.9                              | 14.28    | 39.70           | 3.18                               |
| 20         | 4.0                               | 0.624    | 1.687           | 0.125                              |
|            | 101.6                             | 15.85    | 42.85           | 3.18                               |
| 22         | 4.0                               | 0.624    | 1.797           | 0.125                              |
|            | 101.6                             | 15.85    | 45.65           | 3.18                               |
| 24         | 4.0                               | 0.624    | 1.922           | 0.147                              |
|            | 101.6                             | 15.85    | 48.82           | 3.74                               |

# Accessories

**1069**



**62GB-1069**



Caps and cords ribbed for single hole mounting receptacles.

| Shell Size | A<br>$\pm 0.25$<br>( $\pm 6.35$ ) | B<br>$\pm 0.005$<br>( $\pm 0.13$ ) | C<br>dia<br>max         | J<br>$+ 0.010$<br>( $+ 0.25$ ) |
|------------|-----------------------------------|------------------------------------|-------------------------|--------------------------------|
| 08         | 3.0<br>76.2<br>8.0                | 0.521<br>13.23<br>0.521            | 0.892<br>22.66<br>1.017 | 0.578<br>14.69<br>0.703        |
| 10         | 76.2<br>3.5                       | 13.23<br>0.521                     | 26.84<br>1.142          | 17.86<br>0.891                 |
| 12         | 88.9<br>3.5                       | 13.23<br>0.521                     | 29.01<br>1.267          | 22.64<br>1.016                 |
| 14         | 88.9<br>3.5                       | 13.23<br>0.521                     | 32.19<br>1.454          | 25.81<br>1.141                 |
| 16         | 88.9<br>3.5                       | 13.23<br>0.521                     | 36.94<br>1.563          | 28.99<br>1.266                 |
| 18         | 88.9<br>4.0                       | 13.23<br>0.521                     | 39.70<br>1.687          | 32.16<br>1.391                 |
| 20         | 101.6<br>4.0                      | 13.23<br>0.521                     | 42.85<br>1.797          | 35.34<br>1.516                 |
| 22         | 101.6<br>4.0                      | 13.23<br>0.556                     | 45.65<br>1.922          | 38.51<br>1.641                 |
| 24         | 101.6                             | 14.12                              | 48.82                   | 41.686                         |

**1070**



**62GB-1070**



Caps and cords ribbed for flange mounting receptacles.

| Shell Size | A<br>$\pm 0.25$<br>( $\pm 6.35$ ) | B<br>$\pm 0.005$<br>( $\pm 0.13$ ) | C<br>Dia<br>max         | J<br>$\pm 0.005$<br>( $\pm 0.13$ ) |
|------------|-----------------------------------|------------------------------------|-------------------------|------------------------------------|
| 08         | 3.0<br>76.2<br>3.0                | 0.521<br>13.23<br>0.521            | 0.892<br>22.66<br>1.017 | 0.117<br>3.03<br>0.119             |
| 10         | 76.2<br>3.5                       | 13.23<br>0.521                     | 22.66<br>1.142          | 3.03<br>0.119                      |
| 12         | 88.9<br>3.5                       | 13.23<br>0.521                     | 29.01<br>1.267          | 3.03<br>0.119                      |
| 14         | 88.9<br>3.5                       | 13.23<br>0.521                     | 32.19<br>1.454          | 3.03<br>0.119                      |
| 16         | 88.9<br>3.5                       | 13.23<br>0.521                     | 36.94<br>1.563          | 3.03<br>0.119                      |
| 18         | 88.9<br>4.0                       | 13.23<br>0.521                     | 39.70<br>1.687          | 3.03<br>0.119                      |
| 20         | 101.6<br>4.0                      | 13.23<br>0.521                     | 42.85<br>1.797          | 3.03<br>0.119                      |
| 22         | 101.6<br>4.0                      | 13.23<br>0.556                     | 45.65<br>1.922          | 3.03<br>0.147                      |
| 24         | 101.6                             | 14.12                              | 48.82                   | 3.74                               |

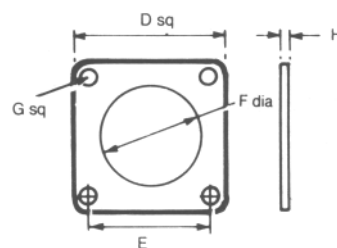
# Accessories

**760**



**62GB-760**

Flange mounting gasket for box mounting and hermetic receptacles.

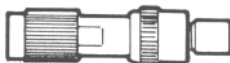
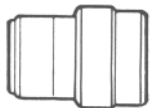


| Shell Size | 0<br>± 0.010<br>(± 0.254) | E<br>± 0.010<br>(± 0.254) | F<br>± 0.008<br>(± 0.20) | G<br>+ 0.010<br>(+ 0.254) | H                            |
|------------|---------------------------|---------------------------|--------------------------|---------------------------|------------------------------|
| 08         | 0.812<br>20.62            | 0.594<br>15.08            | 0.508<br>12.90           | 0.130<br>3.30             | 0.042 / 0.016<br>1.06 / 0.40 |
| 10         | 0.938<br>23.82            | 0.719<br>18.26            | 0.633<br>16.07           | 0.130<br>3.30             | 0.042 / 0.016<br>1.06 / 0.40 |
| 12         | 1.031<br>26.18            | 0.813<br>20.65            | 0.758<br>19.25           | 0.130<br>3.30             | 0.042 / 0.016<br>1.06 / 0.40 |
| 14         | 1.125<br>28.57            | 0.906<br>23.01            | 0.883<br>22.42           | 0.130<br>3.30             | 0.042 / 0.016<br>1.06 / 0.40 |
| 16         | 1.219<br>30.96            | 0.969<br>24.61            | 1.008<br>25.60           | 0.130<br>3.30             | 0.042 / 0.016<br>1.06 / 0.40 |
| 18         | 1.312<br>33.32            | 1.063<br>27.00            | 1.133<br>28.77           | 0.130<br>3.30             | 0.042 / 0.016<br>1.06 / 0.40 |
| 20         | 1.438<br>36.52            | 1.156<br>29.36            | 1.258<br>31.95           | 0.130<br>3.30             | 0.042 / 0.016<br>1.06 / 0.40 |
| 22         | 1.563<br>39.70            | 1.250<br>31.75            | 1.383<br>35.13           | 0.130<br>3.30             | 0.042 / 0.016<br>1.06 / 0.40 |
| 24         | 1.688<br>42.87            | 1.375<br>34.92            | 1.508<br>38.30           | 0.156<br>3.96             | 0.042 / 0.016<br>1.06 / 0.40 |

## Cable Accessories

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# Cable Accessories

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# Cable Accessories

**584**



**62GB - 584 - XX - XXS or P**



Grommet seal and nut. Provides an environmental seal for the exposed solder buckets in the open back class T shells.

**Suffix XX - XXS or P enables grommet to be matched to the insert arrangement.**

| Shell Size | A     | G max |
|------------|-------|-------|
| 08         | 0.545 | 0.561 |
|            | 13.84 | 14.25 |
| 10         | 0.545 | 0.686 |
|            | 13.84 | 17.43 |
| 12         | 0.545 | 0.811 |
|            | 13.84 | 20.60 |
| 14         | 0.545 | 0.936 |
|            | 13.84 | 23.78 |
| 16         | 0.545 | 1.061 |
|            | 13.84 | 26.95 |
| 18         | 0.545 | 1.186 |
|            | 13.84 | 30.13 |
| 20         | 0.545 | 1.311 |
|            | 13.84 | 33.30 |
| 22         | 0.545 | 1.436 |
|            | 13.84 | 36.75 |
| 24         | 0.501 | 1.561 |
|            | 12.73 | 39.65 |

**585**



**62G B - 585 - XX - XXS or P  
A2103**



Grommet and nut with strain relief clamp. The clamp prevents the flexing of the wires in the immediate vicinity of the risers, so avoiding the risk of leaks.

**Suffix XX - XXS or P enables grommet to be matched to the insert arrangement.**

| Shell Size | A max | G max | max   |
|------------|-------|-------|-------|
| 08         | 0.991 | 0.828 | 0.161 |
|            | 25.17 | 21.03 | 4.09  |
| 10         | 0.991 | 0.891 | 0.193 |
|            | 25.17 | 22.63 | 4.90  |
| 12         | 0.991 | 1.016 | 0.317 |
|            | 25.17 | 25.81 | 8.05  |
| 14         | 0.965 | 1.141 | 0.380 |
|            | 24.51 | 28.98 | 9.65  |
| 16         | 1.105 | 1.203 | 0.505 |
|            | 28.07 | 30.56 | 12.83 |
| 18         | 1.105 | 1.426 | 0.630 |
|            | 28.07 | 36.22 | 16.00 |
| 20         | 1.285 | 1.426 | 0.630 |
|            | 32.64 | 36.22 | 16.00 |
| 22         | 1.285 | 1.567 | 0.755 |
|            | 32.64 | 39.80 | 19.18 |
| 24         | 1.373 | 1.735 | 0.805 |
|            | 34.88 | 44.07 | 20.45 |

# Cable Accessories

**586**



**62G B - 586 - XX**

Potting mould and ring,  
supplied together as a set.



Suffix XX specifies shell size.

| Shell Size | A max          | G max          | Z min          |
|------------|----------------|----------------|----------------|
| 08         | 0.644<br>16.36 | 0.585<br>14.85 | 0.260<br>6.60  |
| 10         | 0.753<br>19.13 | 0.679<br>17.24 | 0.463<br>11.76 |
| 12         | 0.722<br>18.34 | 0.835<br>21.20 | 0.557<br>14.14 |
| 14         | 0.722<br>18.34 | 0.913<br>23.19 | 0.590<br>14.98 |
| 16         | 0.722<br>18.34 | 1.038<br>26.36 | 0.713<br>18.11 |
| 18         | 0.722<br>18.34 | 1.163<br>29.54 | 0.835<br>21.20 |
| 20         | 0.877<br>22.30 | 1.288<br>32.71 | 1.015<br>25.78 |
| 22         | 0.877<br>22.30 | 1.413<br>35.89 | 1.015<br>25.78 |
| 24         | 0.896<br>22.76 | 1.538<br>39.06 | 1.263<br>32.08 |

**587**



**62G B - 587 - XX - XXS or P**

Clamp for screened jacketed cable. 62 Series only with grommet. Effective sealing is provided over the range of cables covered by DEF 10(Pattern C) and DEF STAN 61-12 port (see table). These are supplied to separate order only for use with style T shells.



Suffix XX-XXS or P enables grommet to be matched to the insert arrangement.

| Shell Size | length Including plug | A Max | length Including receptacle | B max          | G max          |
|------------|-----------------------|-------|-----------------------------|----------------|----------------|
| 08         | 2.732<br>69.39        |       | 2.742<br>69.64              | 0.676<br>17.17 | 0.775<br>19.68 |
| 10         | 2.742<br>69.64        |       | 2.752<br>69.90              | 0.676<br>17.17 | 0.902<br>22.91 |
| 12         | 3.152<br>80.06        |       | 3.162<br>80.31              | 0.812<br>20.62 | 1.030<br>26.16 |
| 14         | 3.152<br>80.06        |       | 3.162<br>80.31              | 0.926<br>23.52 | 1.157<br>29.39 |
| 16         | 3.272<br>83.10        |       | 3.282<br>83.36              | 1.051<br>26.67 | 1.284<br>32.61 |
| 18         | -                     |       | -                           | -              | -              |
| 20         | 3.272<br>83.10        |       | 3.345<br>84.96              | 1.280<br>32.51 | 1.539<br>39.09 |
| 22         | -                     |       | -                           | -              | -              |
| 24         | 3.696<br>93.87        |       | 3.768<br>95.70              | 1.620<br>41.15 | 1.783<br>45.29 |

# Cable Accessories

**711**



**62G B - 711 - XX - XXS or P**

Grommet and nut with right angled strain relief clamp. The clamp prevents flexing of the wires in the immediate vicinity of the risers, so avoiding the risk of leaks (these are supplied to separate order only for use with style T shells).

**Suffix XX - XXS or P enables grommet to be matched to the insert arrangement.**



| Shell Size | A max   | G max          | H<br>± 0.005<br>± 0.13 | Q max          |
|------------|---------|----------------|------------------------|----------------|
| 08         | 1.5/32  | 0.828<br>21.03 | 0.161<br>4.09          | 0.733<br>18.62 |
| 10         | 1.3/16  | 0.891<br>22.63 | 0.193<br>4.90          | 0.795<br>20.19 |
| 12         | 1.7/32  | 1.016<br>25.81 | 0.317<br>8.05          | 0.858<br>21.79 |
| 14         | 1.1/4   | 1.141<br>28.98 | 0.380<br>9.65          | 0.915<br>23.24 |
| 16         | 1.5/16  | 1.203<br>30.56 | 0.505<br>12.83         | 1.010<br>25.65 |
| 18         | 1.3/8   | 1.426<br>36.22 | 0.630<br>16.00         | 1.070<br>27.18 |
| 20         | 1.3/8   | 1.426<br>36.22 | 0.630<br>16.00         | 1.140<br>28.96 |
| 22         | 1.29/64 | 1.567<br>39.80 | 0.755<br>19.18         | 1.170<br>29.72 |
| 24         | 1.15/32 | 1.735<br>44.07 | 0.805<br>20.45         | 1.260<br>32.00 |

**720**



**62G B - 720 - XX**

Clamp for unscreened jacketed cable. No grommet is supplied, for use with 50T, 51T and 56T styles.

**Suffix XX specifies shell size.**



| Shell Size | A max          | G max          | Z closed       | Z free         |
|------------|----------------|----------------|----------------|----------------|
| 08         | 1.085<br>27.56 | 0.561<br>14.25 | 0.168<br>4.28  | 0.230<br>5.84  |
| 10         | 1.060<br>26.92 | 0.686<br>17.43 | 0.205<br>5.21  | 0.312<br>7.93  |
| 12         | 1.160<br>29.46 | 0.811<br>20.60 | 0.338<br>8.59  | 0.442<br>11.23 |
| 14         | 1.360<br>34.54 | 0.936<br>23.78 | 0.416<br>10.57 | 0.539<br>13.69 |
| 16         | 1.585<br>40.26 | 1.061<br>26.95 | 0.550<br>13.97 | 0.616<br>15.65 |
| 18         | 1.785<br>45.34 | 1.186<br>30.13 | 0.600<br>15.24 | 0.672<br>17.57 |
| 20         | 1.981<br>50.32 | 1.311<br>33.30 | 0.635<br>16.13 | 0.747<br>18.98 |
| 22         | 2.181<br>55.39 | 1.436<br>36.75 | 0.670<br>17.02 | 0.846<br>21.49 |
| 24         | 2.216<br>56.28 | 1.561<br>39.65 | 0.740<br>18.80 | 0.894<br>22.71 |

# Cable Accessories

776



62GB - 776



General duty shell to accept conduit, AN 3057 or MS 3057 A cable clamps and heat shrink sleeves.

| Shell Size | A max | M Thread        |
|------------|-------|-----------------|
| 08         | 0.937 | 1/2 - 28 UNEF   |
|            | 23.80 |                 |
| 10         | 0.937 | 5/8 - 24 NEF    |
|            | 23.80 |                 |
| 12         | 0.937 | 3/4 - 20 UNEF   |
|            | 23.80 |                 |
| 14         | 0.937 | 7/8 - 20 UNEF   |
|            | 23.80 |                 |
| 16         | 0.937 | 1 - 20 UNEF     |
|            | 23.80 |                 |
| 18         | 0.937 | 1.3/16 - 18 NEF |
|            | 23.80 |                 |
| 20         | 0.937 | 1.3/16 - 18 NEF |
|            | 23.80 |                 |
| 22         | 0.937 | 1.7/16 - 18 NEF |
|            | 23.80 |                 |
| 24         | 0.937 | 1.7/16 - 18 NEF |
|            | 23.80 |                 |

1225



62GB - 1225



900 clamp for screened jacketed cable. These are supplied to separate order only for use with style T shells.

| Shell Size | A max | B max | C max | D max |
|------------|-------|-------|-------|-------|
| 08         | 0.942 | 0.821 | 1.160 | 0.636 |
|            | 23.93 | 20.85 | 29.46 | 16.15 |
| 10         | 0.883 | 0.821 | 1.160 | 0.636 |
|            | 22.43 | 20.85 | 29.46 | 16.15 |
| 12         | 0.704 | 0.821 | 1.160 | 0.636 |
|            | 17.88 | 20.85 | 29.46 | 16.15 |
| 14         | 1.119 | 0.937 | 1.160 | 0.636 |
|            | 28.42 | 23.80 | 29.46 | 16.15 |

# Cable Accessories

**5028**



**62G B - 5028 - XX - XXS or P**

75% Clamp for screened jacketed cable with grommet. Effective sealing is provided over the range of cables covered by DEF 10 (Pattern C) and DEF STAN 61 - 12 part 5 (see table). These are supplied to separate order only and are intended for use with style T shells.

**Suffix XX-XXS or P enables grommet to be matched to the insert arrangement.**



| Shell Size | length including receptacle | A Max | length including plug | B max | G max | max   |
|------------|-----------------------------|-------|-----------------------|-------|-------|-------|
| 08         | 2.416                       |       | 2.375                 | 0.676 | 0.775 | 1.750 |
|            | 61.37                       |       | 60.24                 | 17.17 | 19.68 | 44.45 |
| 10         | 2.573                       |       | 2.532                 | 0.676 | 0.902 | 1.875 |
|            | 65.35                       |       | 64.39                 | 17.17 | 22.91 | 47.63 |
| 12         | 2.666                       |       | 2.625                 | 0.812 | 1.030 | 2.125 |
|            | 67.72                       |       | 66.68                 | 20.62 | 26.16 | 53.98 |
| 14         | 2.760                       |       | 2.719                 | 0.926 | 1.157 | 2.125 |
|            | 70.10                       |       | 69.04                 | 23.52 | 29.39 | 53.98 |
| 16         | 2.790                       |       | 2.750                 | 1.051 | 1.284 | 2.062 |
|            | 70.87                       |       | 69.80                 | 26.70 | 32.61 | 52.38 |
| 18         | -                           |       | -                     | -     | -     | -     |
| 20         | 3.312                       |       | 3.250                 | 1.280 | 1.539 | 2.062 |
|            | 84.13                       |       | 82.55                 | 32.51 | 39.09 | 52.38 |
| 22         | -                           |       | -                     | -     | -     | -     |
| 24         | 3.500                       |       | 3.375                 | 1.620 | 1.783 | 2.187 |
|            | 88.90                       |       | 85.73                 | 41.15 | 45.29 | 55.55 |

# Insert Orientations



Normal position  
with pin contacts



Alternative position of insert  
with socket contacts  
( $\varnothing$  counter clockwise)



Alternate position of insert  
with pin contacts  
( $\varnothing$  clockwise)

Each diagram shows mating face of insert.

| Insert Arrangement | Normal | Orientation $\varnothing$ (degrees) |     |     | Z   |
|--------------------|--------|-------------------------------------|-----|-----|-----|
|                    |        | W                                   | X   | Y   |     |
| 8-2                | 0      | 58                                  | 122 | -   | -   |
| 8-3                | 0      | 60                                  | 210 | -   | -   |
| 8-33               | 0      | 90                                  | -   | -   | -   |
| 8-4                | 0      | 45                                  | -   | -   | -   |
| 8-98               | 0      | -                                   | -   | -   | -   |
| 10-2               | 0      | -                                   | -   | -   | -   |
| 10-6               | 0      | 90                                  | -   | -   | -   |
| 10-7               | 0      | -                                   | -   | -   | -   |
| 12-3               | 0      | -                                   | -   | 180 | -   |
| 12-10              | 0      | 60                                  | 155 | 270 | 295 |
| 14-5               | 0      | 40                                  | 92  | 184 | 273 |
| 14-12              | 0      | 43                                  | 90  | -   | -   |
| 14-15              | 0      | 17                                  | 110 | 155 | 234 |
| 14-19              | 0      | 30                                  | 165 | 315 | -   |
| 16-18              | 0      | 54                                  | 152 | 180 | 331 |
| 16-23              | 0      | 158                                 | 270 | -   | -   |
| 16-26              | 0      | 60                                  | -   | 275 | 338 |
| 18-11              | 0      | 62                                  | 119 | 241 | 340 |
| 18-32              | 0      | 85                                  | 138 | 222 | 265 |
| 20-16              | 0      | 238                                 | 318 | 333 | 347 |
| 20-41              | 0      | 45                                  | 126 | 225 | -   |
| 22-21              | 0      | 16                                  | 135 | 175 | 349 |
| 22-55              | 0      | 30                                  | 142 | 226 | 314 |
| 24-61              | 0      | 90                                  | 180 | 270 | 324 |

# Key/Keyway Orientations



Datum is always taken from major key or keyway. In receptacles the major keyway always remains fixed in relation to the mounting flange. For the A',B,C,D',E and F orientations, the three bayonet locations and associated minor keyways are rotated complete, in accordance with the table below.

N.B.- The accompanying diagram shows a receptacle shell, with keyways. Corresponding key orientations for a mating plug shell are therefore always clockwise.

| Shell Size | Values for $\alpha$ (degrees) |     |    |     |     |     |     | Values for $\theta$ (degrees) |    |    |    |    |    |    | Values for $\beta$ (degrees) |     |    |     |    |     |    |
|------------|-------------------------------|-----|----|-----|-----|-----|-----|-------------------------------|----|----|----|----|----|----|------------------------------|-----|----|-----|----|-----|----|
|            | N                             | A   | B  | C   | D   | E   | F   | N                             | A  | B  | C  | D  | E  | F  | N                            | A   | B  | C   | D  | E   | F  |
| 8          | 105                           | 92  | -  | -   | 118 | 118 | 82  | 35                            | 35 | -  | -  | 35 | 30 | 50 | 75                           | 75' | -  | -   | 75 | 100 | 75 |
| 10         | 105                           | 95  | 85 | 125 | 115 | 115 | 85  | 35                            | 35 | 35 | 35 | 35 | 30 | 50 | 75                           | 75  | 75 | 75  | 75 | 100 | 75 |
| 12         | 105                           | 97  | 89 | 121 | 113 | 115 | 85  | 35                            | 35 | 35 | 35 | 35 | 30 | 50 | 75                           | 75  | 75 | 75  | 75 | 100 | 75 |
| 14         | 105                           | 98  | 91 | 119 | 112 | 75  | 120 | 35                            | 35 | 35 | 35 | 35 | 30 | 50 | 75                           | 75  | 75 | 75  | 75 | 100 | 75 |
| 16         | 105                           | 99  | 93 | 117 | 111 | 75  | 120 | 35                            | 35 | 35 | 35 | 35 | 30 | 50 | 75                           | 75  | 75 | 75  | 75 | 100 | 75 |
| 18         | 105                           | 100 | 95 | 115 | 110 | 75  | 120 | 35                            | 35 | 35 | 35 | 35 | 30 | 50 | 75                           | 75  | 75 | 75  | 75 | 100 | 75 |
| 20         | 105                           | 100 | 95 | 115 | 110 | 75  | 120 | 35                            | 35 | 35 | 35 | 35 | 30 | 50 | 75                           | 75  | 75 | 75  | 75 | 100 | 75 |
| 22         | 105                           | 101 | 97 | 113 | 109 | 7S  | 120 | 35                            | 35 | 35 | 35 | 35 | 30 | 50 | 75                           | 75  | 75 | 100 | 75 | 75  | 75 |
| 24         | 105                           | 101 | 97 | 113 | 109 | 75  | 120 | 35                            | 35 | 35 | 35 | 35 | 30 | 50 | 75                           | 75  | 75 | 75  | 75 | 100 | 75 |

| Shell Size | Values for $\phi$ (degrees)<br>Orientation |    |    |    |    |    |    | Values for $\omega$ (degrees)<br>Orientation |    |    |    |    |    |    |
|------------|--------------------------------------------|----|----|----|----|----|----|----------------------------------------------|----|----|----|----|----|----|
|            | N                                          | A  | B  | C  | D  | E  | F  | N                                            | A  | B  | C  | D  | E  | F  |
| 8          | 50                                         | 50 | 50 | 50 | 50 | 30 | 45 | 60                                           | 47 | -  | -  | 73 | 73 | 47 |
| 10         | 50                                         | 50 | 50 | 50 | 50 | 30 | 45 | 60                                           | 50 | 40 | 80 | 70 | 70 | 50 |
| 12         | 50                                         | 50 | 50 | 50 | 50 | 30 | 45 | 60                                           | 52 | 44 | 76 | 68 | 70 | 50 |
| 14         | 50                                         | 50 | 50 | 50 | 50 | 30 | 35 | 60                                           | 53 | 46 | 74 | 67 | 30 | 75 |
| 16         | 50                                         | 50 | 50 | 50 | 50 | 30 | 35 | 60                                           | 54 | 48 | 72 | 66 | 30 | 75 |
| 18         | 50                                         | 50 | 50 | 50 | 50 | 30 | 35 | 60                                           | 55 | 50 | 70 | 65 | 30 | 75 |
| 20         | 50                                         | 50 | 50 | 50 | 50 | 30 | 35 | 60                                           | 55 | 50 | 70 | 65 | 30 | 75 |
| 22         | 50                                         | 50 | 50 | 50 | 50 | 30 | 35 | 60                                           | 56 | 52 | 68 | 64 | 30 | 75 |
| 24         | 50                                         | 50 | 50 | 50 | 50 | 30 | 35 | 60                                           | 56 | 52 | 68 | 64 | 30 | 75 |

# Assembly Instructions

for Amphenol straight S.J. clamps 62GB-587 for internally and externally screened and unscreened cables to DEF 10 and DEF STAN 61-12 Part 5.

## Internally Screened Jacketed Cable 'Type C'

### Cable and Wire Stripping

Strip the outer P.V.C. Jacket of the cable back to dim 'A' to expose the internal braid. Trim the braid back to within 19.05mm (0.75 in) of P.V.C. jacket and fold back 'B'.

| Size    | A Dimension |       |
|---------|-------------|-------|
|         | mm          | in    |
| 08      | 34.93       | 1.375 |
| 10      | 36.51       | 1.437 |
| 12 8 14 | 41.27       | 1.625 |
| 16 & 20 | 44.45       | 1.75  |
| 24      | 49.21       | 1.937 |

Strip 5.3mm (0.210 in) to 6.1 mm (0.240 in) of insulation from each wire to expose centre conductor. Tin the ends. If ends fray twist them back to their original lay before tinning.



### Initial Assembly

Slide onto the cable the following items in this order (1) Nut (2) Washer (3) Gasket (4) Braid Clamp and (5) Clamp Body (6) Grommet.



### Solder Connection to Contacts

Insert the individual wires into the appropriate grommet holes. At the same time, slide the grommet back as far as possible until the tinned ends of the centre conductors are far enough out of the grommet to permit soldering to the contacts. Insert the tinned ends of wires into the appropriate contacts in 62 series connector and solder into place. Slide the grommet forward over the wired contacts and press firmly into rear of connector shell and against rear face of insert.



# Assembly Instructions

## Externally Screened Jacketed Cable Types 'B' & 'Q'

### Cable and Wire Stripping

Strip the outer braid and internal P.V.C. jacket of the cable back to dim 'A'

| Size    | A Dimension |       |
|---------|-------------|-------|
|         | mm          | in    |
| 08      | 33.32       | 1.312 |
| 10      | 34.93       | 1.375 |
| 12 & 14 | 39.7        | 1.563 |
| 16 & 20 | 42.85       | 1.687 |
| 24      | 47.63       | 1.875 |

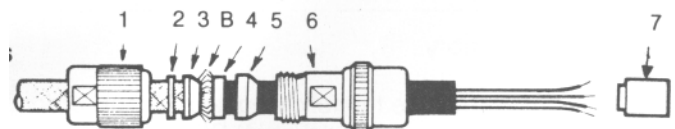


Strip 5.3mm (0.210 in) to 6.1 mm (0.240 in) of insulation from each wire to expose centre conductor. Tin the ends. If ends fray twist them back to their original lay before tinning.



### Initial Assembly

Slide onto the cable the following items in this order (1) Nut (2) Washer (3) Male Braid Clamp Convolute Screen (See B) as far as possible, and slide on items (4) Female Braid Clamp (5) Gasket and (6) Clamp Body (7) Grommet



### Solder Connection to Contacts

Insert the individual wires into the appropriate grommet holes. At the same time, slide the grommet back as far as possible, until the tinned ends of the centre conductors are far enough out of the grommet to permit soldering to the contacts. Insert the tinned ends of wires into the appropriate contacts in 62 series connector and solder into place. Slide the grommet forward over the wired contacts and press firmly into the rear of connector shell and against rear face of insert.



### Unscreened Jacketed Cables Type 'A'

All procedures concerning this type of cable to be as for internally screened jacketed cable, but all references to screen (Braid) to be disregarded.

# Assembly Instructions

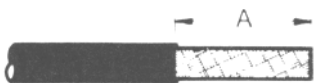
for Amphenol angled S.J. clamps 62GB-5028 for internally and externally screened and unscreened cables to DEF 10 and DEF STAN 61-12 Part 5.

## Internally Screened Jacketed Cable Type 'C'

### Cable and Wire Stripping

Strip the outer P.V.C. jacket of the cable back to dim 'A' to expose the internal braid. Trim the braid back to within 19.05mm (0.75 in) of P.V.C. jacket and fold back 'B'.

| Size     | A Dimension |       |
|----------|-------------|-------|
|          | mm          | in    |
| 08       | 58.15       | 2.89  |
| 10,12,14 | 66.68       | 2.625 |
| 16       | 69.85       | 2.75  |
| 20       | 88.9        | 3.50  |
| 24       | 95.25       | 3.75  |



Strip 5.3mm (0.210 in) to 6.1 mm (0.240 in) of insulation from each wire to expose centre conductor. Tin the ends. If ends fray, twist them back to their original lay before tinning.

### Initial Assembly

Slide onto the cable the following items in this order (1) Nut (2) Washer (3) Gasket (4) Braid Clamp (5) 75o Angled Body (6) Grommet.



### Solder Connection to Contacts

**Insert** the individual wires into the appropriate grommet holes. At the same time, slide the grommet back as far as possible, until the tinned ends of the centre conductors are far enough out of the grommet to permit soldering to the contacts. Insert the tinned ends of wires into the appropriate contacts in 62 series connector and solder into place. Slide the grommet forward over the wired contacts and press firmly into the rear of the connector shell and against rear face of insert.



# Assembly Instructions

## Externally Screened Jacketed Cables Type `B' & `Q'

### Cable and Wire Stripping

Strip the outer braid and internal P.V.C. jacket of the cable back to dim `A'.

| Size     | A Dimension |       |
|----------|-------------|-------|
|          | mm          | in    |
| 08       | 58.15       | 2.89  |
| 10,12,14 | 66.68       | 2.625 |
| 16       | 69.85       | 2.75  |
| 20       | 88.9        | 3.50  |
| 24       | 95.25       | 3.75  |



Strip 5.3mm (0.210 in) to 6.1 mm (0.240 in) of insulation from each wire to expose centre conductor Tin the ends. If ends fray, twist them back to their original lay before tinning.

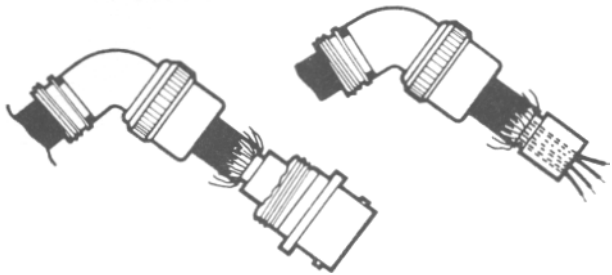
### Initial Assembly

Slide onto the cable the following items in this order:(1) Nut (2) Washer (3) Male Braid Clamp - Convolute Screen (See B) as far as possible and slide on items:(4) Female Braid Clamp (5) Gasket (6) 75o Right Angled Body (7) Grommet.



### Solder Connection to Contacts

Insert the individual wires into the appropriate grommet holes. At the same time, slide the grommet back as far as possible, until the tinned ends of the centre conductors are far enough out of the grommet to permit soldering to the contacts. Insert the tinned ends of wires into the appropriate contacts in 62 series connector and solder into place. Slide the grommet forward over the wired contacts and press firmly into the rear of connector shell and against rear face of insert.



### Unscreened Jacketed Cables Type `A'

All procedures concerning this type of cable to be as for internally screened jacketed cable, but all references to screen (Braid) to be disregarded.

# Assembly Instructions

## Wire Stripping

Strip 5.3mm (0.210 in) to 6.1 mm (.240 in) of insulation from end of wires to expose centre conductor and tin the ends. If ends fray, twist them back to their original lay before tinning.

Wire Accommodation

| Contact Size | Colour Code | Wire Seal and Conductor |           |           |           |
|--------------|-------------|-------------------------|-----------|-----------|-----------|
|              |             | Wire Insulation         |           | Conductor |           |
|              |             | min. ins                | dia. (mm) | max. ins  | dia. (mm) |
| 20           | Red         | 0.047                   | (1.19)    | 0.085     | (2.16)    |
| 16           | Blue        | 0.066                   | (1.68)    | 0.109     | (2.77)    |
|              |             | 0.042                   | (1.07)    | 0.062     | (1.57)    |

## Recommended Tightening Torques

| Single Hole | Shell Size | 8         | 10        | 12        | 14        | 16        | 18        | 20        | 22         | 24         |
|-------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|
| Fixing      | Nm         | 3.73      | 4.07      | 6.78      | 7.34      | 8.25      | 9.26      | 11.98     | 13.90      | 15.03      |
| Receptacles | lbf. ins.  | 33        | 36        | 60        | 65        | 73        | 82        | 106       | 123        | 133        |
| Accessories | Nm         | 3.39-3.96 | 3.96-4.52 | 4.52-5.09 | 5.09-5.65 | 5.65-6.78 | 6.78-7.91 | 8.48-9.04 | 9.61-10.17 | 10.74-11.3 |
|             | lbf. ins.  | 30-35     | 35-40     | 40-45     | 45-50     | 55-60     | 65-70     | 75-80     | 85-90      | 95-100     |

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