

# Amphenol

## MIL-C-38999

Full range catalogue



Amphenol Ltd

## MIL-C-38999 range

MIL-C-38999 connectors are designed & approved to meet the most stringent requirements of the military and aerospace industry. Within the connector range Amphenol produce 4 series of connectors. These cover low profile light weight to ruggedised scoop proof connectors. All connectors are rated at 175°C for olive drab finish and 200°C for electroless Nickel. A Cadmium free olive drab version is available. Contact counts in the connectors range from 1 to 128 with five sizes of contact and over 100 insert planforms are available. With this broad range, a MIL-C-38999 connector is suitable for the majority of harsh environment applications



**JT** Light weight low profile bayonet connector. Ideal for use in avionics box and other limited space conditions.

**Approved to:** MIL-C-38999 series 2  
BS9520 G0002  
PAN 6433-1  
HE309



**SGT** A light weight scoop proof bayonet connector intermountable with MIL-C-26482 type connectors. Commonly used on European military aircraft

**Approved to:** LN29729  
VG96912  
PAN 6433-2  
JN1003

**LJT**

Range of rugged scoop proof bayonet connector suitable for general duty applications ie. ground support systems.

**Approved to:** MIL-C-38999 series 1  
BS9522 F0029, BS9520 G0001  
HE308



**TV**

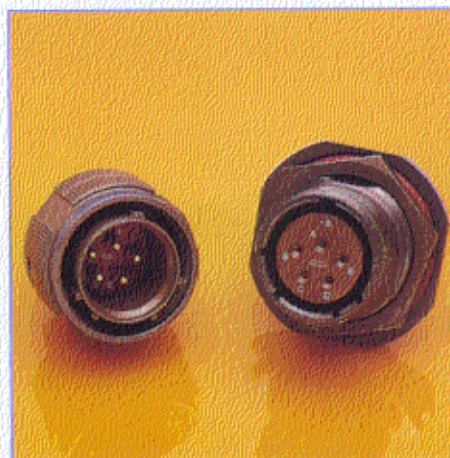
Highest performance connector with quick threaded coupling mechanism. Used in high vibration & EMI/RFI environments and on portable communication systems. A stainless steel connector firewall version is available for use on engine harnesses. Composite light weight connector ideal for use in aircraft or extreme salt spray environments.

**CTV**

**TVRB**

Marine Nickel Aluminium Bronze version chosen for use on standard naval applications.

**Approved to:** MIL-C-38999 series 3  
BS9522 F0039 / BS9520 G0003  
JN1034



|                                                                                                     |    |
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| TVP00R CTVP00R BS-C6170 D38999/20 JN1034A Wall mounting receptacle .....                            | 10 |
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| TV06R BS-C6176 D38999/26 Straight plug JN1034C .....                                                | 12 |
| TV07R CTV07R BS-C6177 D38999/24 JN1034B Jam nut receptacle .....                                    | 13 |
| TV JN1034D Dummy receptacle .....                                                                   | 14 |
| TVPS02Y D38999/21 Hermetic box mounting receptacle .....                                            | 15 |
| TVS07Y D38999/23 Hermetic jam nut receptacle .....                                                  | 16 |
| TVS1Y D388999/25 Hermetic solder mounting receptacle .....                                          | 17 |
| TV - Cable Clamp .....                                                                              | 18 |
| TV - Receptacle protection cap .....                                                                | 19 |
| TV - Plug protection cap .....                                                                      | 20 |
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| LJT00 MS27469 Hermetic wall mounting receptacle .....                                               | 27 |
| LJT07 MS27470 Hermetic jam nut receptacle .....                                                     | 28 |
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# Specifications

## Contact Rating

| Contact Size                                   | 22D          | 22M    | 22     | 20    | 16    | 12    | 8     |
|------------------------------------------------|--------------|--------|--------|-------|-------|-------|-------|
| Wire Size                                      | Test Current |        |        |       |       |       |       |
| 28                                             | 1.5          | 1.5    | -      | -     | -     | -     | -     |
| 26                                             | 2.0          | 2.0    | 2.0    | -     | -     | -     | -     |
| 24                                             | 3.0          | 3.0    | 3.0    | 3.0   | -     | -     | -     |
| 22                                             | 5.0          | -      | 5.0    | 5.0   | -     | -     | -     |
| 20                                             | -            | -      | -      | 7.5   | 7.5   | -     | -     |
| 18                                             | -            | -      | -      | -     | 10.0  | -     | -     |
| 16                                             | -            | -      | -      | -     | 13.0  | -     | -     |
| 14                                             | -            | -      | -      | -     | -     | 17.0  | -     |
| 12                                             | -            | -      | -      | -     | -     | 23.0  | -     |
| 10                                             | -            | -      | -      | -     | -     | -     | -     |
| 8                                              | -            | -      | -      | -     | -     | -     | 46.0  |
| 6                                              | -            | -      | -      | -     | -     | -     | -     |
| 4                                              | -            | -      | -      | -     | -     | -     | -     |
| Hermetic Contacts                              | 3            | 2      | 3      | 5     | 10    | 17    | N/A   |
| Crimp Well Data                                |              |        |        |       |       |       |       |
| Diameter $\pm$ 0.01                            | 0.0345       | 0.0280 | 0.0365 | 0.047 | 0.067 | 0.100 | 0.181 |
| Depth                                          | 0.141        | 0.141  | 0.141  | 0.209 | 0.209 | 0.209 | 0.394 |
| Maximum Milivolt Drop                          |              |        |        |       |       |       |       |
| Crimp Contacts                                 | 73           | 45     | 73     | 55    | 49    | 42    | 26    |
| Hermetic Contacts                              | 85           | 60     | 85     | 60    | 85    | 85    | N/A   |
| Hermetic Contacts according to M39029 Standard | 803          | 803    | 803    | 605   | 539   | 462   | N/A   |

Tested using silver plated wire

## Service Rating\*\*

| Service Rating | Suggested Operating Voltage (Sea Level) |      | Test Voltage (Sea Level) | Test Voltage 50,000ft | Test Voltage 70,000ft | Test Voltage 110,000ft |
|----------------|-----------------------------------------|------|--------------------------|-----------------------|-----------------------|------------------------|
|                | AC(RMS)                                 | DC   |                          |                       |                       |                        |
| M              | 400                                     | 500  | 1300 VRMS                | 550 VRMS              | 350 VRMS              | 200 VRMS               |
| N              | 300                                     | 450  | 1000 VRMS                | 400 VRMS              | 260 VRMS              | 200 VRMS               |
| I              | 600                                     | 850  | 1800 VRMS                | 600 VRMS              | 400 VRMS              | 200 VRMS               |
| II             | 900                                     | 1250 | 2300 VRMS                | 800 VRMS              | 500 VRMS              | 200 VRMS               |

\* Please note that the establishment of electrical safety factors is left entirely in the designers hands, since he is in the best position to know what peak voltages, switching surges, transients, etc., can be expected in a particular circuit.

## EMI shielding effectiveness

| Frequency MHz | Leakage attenuation (dB) Minimum |               |                     |               |                |
|---------------|----------------------------------|---------------|---------------------|---------------|----------------|
|               | Series II                        | Series III    |                     |               | Series I & SJT |
|               | Finish B and F                   | Class K and Y | Class F, N, M and S | Class W and J | Finish B and F |
| 100           | 65                               | 80            | 90                  | 90            | 90             |
| 200           | 60                               | 75            | 88                  | 88            | 88             |
| 300           | 55                               | 73            | 88                  | 88            | 88             |
| 400           | 55                               | 71            | 87                  | 87            | 87             |
| 800           | 45                               | 66            | 85                  | 85            | 85             |
| 1,000         | 45                               | 65            | 85                  | 85            | 85             |
| 1,500         | -                                | 59            | 76                  | 69            | 69             |
| 2,000         | -                                | 55            | 70                  | 65            | 65             |
| 3,000         | -                                | 52            | 69                  | 61            | 61             |
| 4,000         | -                                | 50            | 68                  | 58            | 58             |
| 6,000         | -                                | 48            | 66                  | 55            | 55             |
| 10,000        | -                                | 45            | 65                  | 50            | 50             |

## Fluid Immersion

- |                                        |                                                                                                                                                                 |                                                                                       |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| (a) MIL-H-5606                         | (i) Isopropyl alcohol per TT-1-735, grade A or B mixed one part by volume with three parts by volume of mineral spirits per TT-T-291, type 1 or P-D-680, type 1 | (k) Azeotrope or trichlorotrifluoroethane (Freon TMC or equal) and methylene chloride |
| (b) M2-V chevroni                      | (j) 1-1-1 trichloroethane                                                                                                                                       | (l) Coolant-dielectric fluid synthetic silicate ester base                            |
| (c) MIL-T-5624 (grade JP-5)            |                                                                                                                                                                 |                                                                                       |
| (d) MIL-L-7803                         |                                                                                                                                                                 |                                                                                       |
| (e) MIL-L-23699                        |                                                                                                                                                                 |                                                                                       |
| (f) MIL-A-8243                         |                                                                                                                                                                 |                                                                                       |
| (g) MIL-L-25769 (Diluted for cleaning) |                                                                                                                                                                 |                                                                                       |
| (h) MIL-G-3056 Type 1                  |                                                                                                                                                                 |                                                                                       |

# Insert availability and identification

| JT    | LJT   | TV    | SJT   | Status | Crimp | Hermetics |          | Service Rating | Total Contacts | Contact Size |     |    |    |    |    |          |               |            |         |
|-------|-------|-------|-------|--------|-------|-----------|----------|----------------|----------------|--------------|-----|----|----|----|----|----------|---------------|------------|---------|
|       |       |       |       |        |       | Class H   | Class Y* |                |                | 22D          | 22M | 22 | 20 | 16 | 12 | 8 (Coax) | 8 == (Twinax) | 10 (Power) | 12 Coax |
| 8-2   |       |       |       | B      | #P    |           |          | M              | 2              |              |     |    | 2  |    |    |          |               |            |         |
| 8-3   | 9-3   |       |       | B      | #P    |           |          | M              | 3              |              |     |    | 3  |    |    |          |               |            |         |
| 8-6   | 9-6   |       |       | C      | X     |           |          | M              | 6              |              | 6   |    |    |    |    |          |               |            |         |
|       | 9-7   |       |       | C      | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
|       |       |       |       | B      | #     |           |          | M              | 7              |              | 7   |    |    |    |    |          |               |            |         |
|       | 9-22  |       |       |        |       |           |          | I              | 2              |              |     |    | 2  |    |    |          |               |            |         |
| 8-35  | 9-35  | 9-35  | 8-35  | B      | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
|       |       |       |       | A      | X     | P         | P        | M              | 6              | 6            |     |    |    |    |    |          |               |            |         |
| 8-44  | 9-44  |       |       | B      | X     |           |          | M              | 4              |              |     | 4  |    |    |    |          |               |            |         |
|       |       |       |       | B      | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 8-97  |       |       |       | B      | #     |           |          | M              | 4              |              | 2   |    | 2  |    |    |          |               |            |         |
| 8-98  | 9-98  | 9-98  | 8-98  | A      | X     |           |          | I              | 3              |              |     |    | 3  |    |    |          |               |            |         |
|       |       |       |       | A      | X     | P         | P        |                |                |              |     |    |    |    |    |          |               |            |         |
|       |       |       | 10-01 |        | 2     |           |          | M              | I              |              |     |    |    |    |    |          | 1             |            |         |
|       | 11-01 |       |       |        | 2     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
|       | 11-2  | 11-2  |       |        | 2     |           |          | I              | 2              |              |     |    |    | 2  |    |          |               |            |         |
| 10-4  | 11-4  |       |       |        | 2     |           |          | I              | 4              |              |     |    | 4  |    |    |          |               |            |         |
| 10-5  | 11-5  | 11-5  | 10-5  |        | 2     |           |          | I              | 5              |              |     |    | 5  |    |    |          |               |            |         |
|       |       |       |       |        | #     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
|       | 11-6  |       |       | B      | #     |           |          | I              | 6              |              |     |    | 6  |    |    |          |               |            |         |
| 10-13 | 11-13 |       |       | C      | X     |           |          | M              | 13             |              | 13  |    |    |    |    |          |               |            |         |
|       |       |       |       | C      | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 10-35 | 11-35 | 11-35 | 10-35 | A      | X     | P         | P        | M              | 13             | 13           |     |    |    |    |    |          |               |            |         |
|       |       |       |       | A      | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 10-98 | 11-98 | 11-98 |       | A      | X     |           |          | I              | 6              |              |     |    | 6  |    |    |          |               |            |         |
|       |       |       |       | A      | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 10-99 | 11-99 |       |       |        | X     |           |          | I              | 7              |              |     |    | 7  |    |    |          |               |            |         |
|       |       |       |       |        | P     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 12-3  | 13-3  |       |       |        | X     |           |          | II             | 3              |              |     |    |    | 3  |    |          |               |            |         |
|       |       |       |       |        | P     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 12-4  | 13-4  | 13-4  | 12-4  |        | X     | P         | P        | I              | 4              |              |     |    |    | 4  |    |          |               |            |         |
|       |       |       |       |        | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 12-8  | 13-8  | 13-8  | 12-8  |        | X     |           |          | I              | 8              |              |     |    | 8  |    |    |          |               |            |         |
|       |       |       |       |        | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 12-22 | 13-22 |       |       | C      | X     |           |          | M              | 22             |              | 22  |    |    |    |    |          |               |            |         |
|       |       |       |       | C      | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 12-35 | 13-35 | 13-35 | 12-35 | A      | X     | P         | P        | M              | 22             | 22           |     |    |    |    |    |          |               |            |         |
|       |       |       |       | A      | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 12-98 | 13-98 | 13-98 | 12-98 | A      | X     |           |          | I              | 10             |              |     |    | 10 |    |    |          |               |            |         |
|       |       |       |       | A      | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 14-4  | 15-4  |       |       | B      | 2     |           |          | I              | 4              |              |     |    |    | 4  |    |          |               |            |         |
|       |       |       |       | B      | 3     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 14-5  | 15-5  | 15-5  | 14-5  | A      | X     |           |          | II             | 5              |              |     |    |    | 5  |    |          |               |            |         |
|       |       |       |       | A      | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 14-15 | 15-15 | 15-15 | 14-15 |        | X     |           |          | I              | 15             |              |     |    | 14 | 1  |    |          |               |            |         |
|       |       |       |       |        | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 14-18 | 15-18 | 15-18 | 14-18 | A      | X     |           |          | I              | 18             |              |     |    | 18 |    |    |          |               |            |         |
|       |       |       |       | A      | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 14-19 | 15-19 | 15-19 | 14-19 | A      | X     | P         | P        | I              | 19             |              |     |    | 19 |    |    |          |               |            |         |
|       |       |       |       | A      | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 14-35 | 15-35 | 15-35 | 14-35 | A      | X     | P         | P        | M              | 37             | 37           |     |    |    |    |    |          |               |            |         |
|       |       |       |       | A      | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 14-37 | 15-37 |       |       | C      | X     |           |          | M              | 37             |              | 37  |    |    |    |    |          |               |            |         |
|       |       |       |       | C      | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 14-68 | 15-68 |       |       | B      | 2     |           |          | I              | 8              |              |     |    |    | 8  |    |          |               |            |         |
|       |       |       |       | B      | 3     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 14-97 | 15-97 | 15-97 | 14-97 | A      | 2     |           |          | I              | 12             |              |     |    | 8  | 4  |    |          |               |            |         |
|       |       |       |       | A      | 2     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
|       | 17-2  | 17-2  |       | B      | 2     |           |          | M              | 39             | 38           |     |    |    |    |    | 1        |               |            |         |
| 16-6  | 17-6  | 17-6  | 16-6  |        | X     | P         | P        | I              | 6              |              |     |    |    | 6  |    |          |               |            |         |
|       |       |       |       |        | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 16-8  | 17-8  | 17-8  | 16-8  |        | X     |           |          | II             | 8              |              |     |    |    | 8  |    |          |               |            |         |
|       |       |       |       |        | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 16-13 | 17-13 |       |       | B      | 2     |           |          | i              | 13             |              |     |    |    | 13 |    |          |               |            |         |
|       |       |       |       |        | 2     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 16-26 | 17-26 | 17-26 | 16-26 | A      | x     |           |          | I              | 26             |              |     |    | 26 |    |    |          |               |            |         |
|       |       |       |       | A      | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 16-35 | 17-35 | 17-35 | 16-35 | A      | X     | P         | P        | M              | 55             | 55           |     |    |    |    |    |          |               |            |         |
|       |       |       |       | A      | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 16-42 | 17-42 |       |       | B      | X     |           |          | M              | 42             |              |     | 42 |    |    |    |          |               |            |         |
|       |       |       |       | B      | P     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 16-55 | 17-55 |       |       | C      | X     |           |          | M              | 55             |              | 55  |    |    |    |    |          |               |            |         |
|       |       |       |       | C      | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 16-99 | 17-99 | 17-99 | 16-99 |        | X     |           |          | I              | 23             |              |     |    | 21 | 2  |    |          |               |            |         |
|       |       |       |       |        | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 18-11 | 19-11 | 19-11 | 18-11 |        | X     |           |          | II             | 11             |              |     |    |    | 11 |    |          |               |            |         |
|       |       |       |       |        | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
|       |       | 19-17 | 18-17 |        | 2     |           |          | M              | 17             | 10           |     |    | 1  | 4  |    | 2        |               |            |         |
|       |       |       |       |        | 2     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 18-28 | 19-28 |       |       |        | X     |           |          | i              | 28             |              |     |    | 26 | 2  |    |          |               |            |         |
|       |       |       |       |        | P     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 18-30 | 19-30 |       |       |        | X     |           |          | I              | 30             |              |     |    | 29 | 1  |    |          |               |            |         |
|       |       |       |       |        | P     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |
| 18-32 | 19-32 | 19-32 | 18-32 |        | X     | P         | P        | I              | 32             |              |     |    | 32 |    |    |          |               |            |         |
|       |       |       |       |        | X     |           |          |                |                |              |     |    |    |    |    |          |               |            |         |

(A) Preferred

(B) Non preferred

(C) Inactive

(X) Fully Tooled

(2) Not tooled for RP or 02RE

(3) Pin insert only, not tooled for RP or 02RE

# Solder contact version only

(P) Pin insert only

\* Same as H with interfacial seal

† For RG180/U and RG195/U Cables only

(S) Socket inserts only

\*\* Two size 16 contacts dedicated to fiber optics

‡ Size 8 Coax, Twinax and Power contacts are interchangeable

NOTE: MS Connector 21-75 is supplied with size 8 twinax. Proprietary connector 21-75 is supplied with size 8 coax

# Insert availability and identification

| JT    | LJT   | TV    | SJT   | Status | Crimp | Hermetics |          | Service Rating | Total Contacts | Contact Size |     |     |    |      |    |          |               |            |         |
|-------|-------|-------|-------|--------|-------|-----------|----------|----------------|----------------|--------------|-----|-----|----|------|----|----------|---------------|------------|---------|
|       |       |       |       |        |       | Class H   | Class Y* |                |                | 22D          | 22M | 22  | 20 | 16   | 12 | 8 (Coax) | 8 == (Twinax) | 10 (Power) | 12 Coax |
| 18-35 |       |       | 18-35 | A      | X     |           |          | M              | 66             | 66           |     |     |    |      |    |          |               |            |         |
|       | 19-35 | 19-35 |       | A      | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 18-53 |       |       |       | B      | X     |           |          | M              | 53             |              |     | 53  |    |      |    |          |               |            |         |
|       | 19-53 |       |       | B      | P     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 18-66 |       |       |       | C      | X     |           |          | M              | 66             |              | 66  |     |    |      |    |          |               |            |         |
|       | 19-66 |       |       | C      | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       |       |       |       |        |       |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       | 19-67 |       |       | B      | 3     |           |          | M              | 67             |              | 67  |     |    |      |    |          |               |            |         |
| 18-68 |       |       |       | B      | 2     |           |          | I              | 18             |              |     |     |    | 18   |    |          |               |            |         |
|       | 19-68 |       |       | B      | 3     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 18-96 |       |       |       | B      | 2     |           |          | I              | 9              |              |     |     |    |      | 9  |          |               |            |         |
|       |       |       |       |        |       |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 20-1  |       |       |       | C      | X     |           |          | M              | 79             |              | 79  |     |    |      |    |          |               |            |         |
|       | 21-1  |       |       | C      | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 20-2  |       |       | 20-2  | B      | X     |           |          | M              | 65             |              |     | 65  |    |      |    |          |               |            |         |
|       | 21-2  |       |       | B      | 2     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 20-11 |       |       | 20-11 |        | 3     |           |          | I              | 11             |              |     |     |    |      | 11 |          |               |            |         |
|       | 21-11 | 21-11 |       |        | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 20-16 |       |       | 20-16 |        | X     |           |          | II             | 16             |              |     |     |    | 16   |    |          |               |            |         |
|       | 21-16 | 21-16 |       |        | X     | P         | P        |                |                |              |     |     |    |      |    |          |               |            |         |
|       |       |       |       |        |       |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       | 21-24 |       |       | B      | #     |           |          | I              | 24             |              |     |     | 24 |      |    |          |               |            |         |
|       |       |       |       |        |       |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       | 21-25 |       |       | B      | #     |           |          | I              | 25             |              |     |     | 25 |      |    |          |               |            |         |
|       |       |       |       |        |       |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       | 21-27 |       |       | B      | #     |           |          | I              | 27             |              |     |     | 27 |      |    |          |               |            |         |
| 20-35 |       |       | 20-35 | A      | X     |           |          | M              | 79             | 79           |     |     |    |      |    |          |               |            |         |
|       | 21-35 | 21-35 |       | A      | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 20-39 |       |       | 20-39 |        | X     |           |          | I              | 39             |              |     |     | 37 | 2    |    |          |               |            |         |
|       | 21-39 |       |       |        | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 20-41 |       |       | 20-41 | A      | X     |           |          | I              | 41             |              |     |     | 41 |      |    |          |               |            |         |
|       | 21-41 | 21-41 |       | A      | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       |       |       | 20-75 | B      | 2     |           |          | M              | 4              |              |     |     |    |      |    | 4☞☞      | (See Note)    |            |         |
|       | 21-75 | 21-75 |       | B      | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       |       |       | 20-79 | B      | 2     |           |          | II             | 19             | 17           |     |     |    |      |    |          | 2☞☞           |            |         |
|       | 21-79 |       |       | B      | 2     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 22-1  |       |       | 22-1  | 2      | X     |           |          | M              | 100            |              | 100 |     |    |      |    |          |               |            |         |
|       | 23-1  |       |       | C      | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 22-2  |       |       | 22-2  | B      | V     |           |          | M              | 85             |              |     | 85  |    |      |    |          |               |            |         |
|       | 23-2  |       |       | B      | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 22-14 |       |       |       | B      | 2     |           |          | I              | 14             |              |     |     |    |      | 14 |          |               |            |         |
|       | 23-14 |       |       | B      | 3     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 22-21 |       |       | 22-21 |        | X     |           |          | II             | 21             |              |     |     |    | 21   |    |          |               |            |         |
|       | 23-21 | 23-21 |       |        | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 22-32 |       |       |       |        | X     |           |          | I              | 32             |              |     |     | 32 |      |    |          |               |            |         |
|       |       |       |       |        |       |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       | 23-34 |       |       | B      | #     |           |          | I              | 34             |              |     |     | 34 |      |    |          |               |            |         |
| 22-35 |       |       | 22-35 | A      | X     |           |          | M              | 100            | 100          |     |     |    |      |    |          |               |            |         |
|       | 23-35 | 23-35 |       | A      | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       |       |       |       |        |       |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       | 23-36 |       |       | B      | #     |           |          | I              | 36             |              |     |     | 36 |      |    |          |               |            |         |
| 22-53 |       |       | 22-53 |        | P     |           |          | I              | 53             |              |     |     | 53 |      |    |          |               |            |         |
|       | 23-53 | 23-53 |       |        | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       |       | 23-54 |       |        | 2     |           |          | M              | 53             | 40           |     |     |    | 9    | 4  |          |               |            |         |
| 22-55 |       |       |       |        | X     |           |          | I              | 55             |              |     |     | 55 |      |    |          |               |            |         |
|       | 23-55 | 23-55 |       |        | 3     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       |       |       |       |        |       |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       | 23-97 |       |       | B      | #     |           |          | II             | 16             |              |     |     |    | 16   |    |          |               |            |         |
|       |       |       |       |        |       |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       | 23-99 |       |       | B      | #     |           |          | II             | 11             |              |     |     |    | 11   |    |          |               |            |         |
| 24-1  |       |       |       | C      | X     |           |          | M              | 128            |              | 128 |     |    |      |    |          |               |            |         |
|       | 25-1  |       |       | C      | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 24-2  |       |       | 24-2  | B      | X     |           |          | M              | 100            |              |     | 100 |    |      |    |          |               |            |         |
|       | 25-2  |       |       | B      | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 24-4  |       |       | 24-4  |        | X     |           |          | I              | 56             |              |     |     | 48 | 8    |    |          |               |            |         |
|       | 25-4  | 25-4  |       |        | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       |       |       | 24-7  | B      | 2     |           |          | M              | 99             | 97           |     |     |    |      |    |          | 2             |            |         |
|       | 25-7  |       |       | B      | 2     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       |       |       | 24-11 |        |       |           |          | N              | 11             |              |     |     | 2  |      |    |          |               | 9          |         |
| 24-19 |       |       | 24-19 |        | 2     |           |          | I              | 19             |              |     |     |    |      | 19 |          |               |            |         |
|       | 25-19 | 25-19 |       |        | 2     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       |       |       | 24-20 | A      |       |           |          | N              | 30             |              |     |     | 10 | 13** |    |          | 3             |            | 4       |
|       | 25-20 | 25-20 |       | A      | 2     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 24-24 |       |       | 24-24 |        | X     |           |          | I              | 24             |              |     |     |    | 12   | 12 |          |               |            |         |
|       | 25-24 | 25-24 |       |        | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       |       |       |       |        |       |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       | 25-26 |       |       |        | 2     |           |          | I              | 25             |              |     |     | 16 |      | 5  | 4        |               |            |         |
| 24-29 |       |       | 24-29 |        | X     |           |          | I              | 29             |              |     |     |    | 29   |    |          |               |            |         |
|       | 25-29 | 25-29 |       |        | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 24-35 |       |       | 24-35 | A      | X     |           |          | M              | 128            | 128          |     |     |    |      |    |          |               |            |         |
|       | 25-35 | 25-35 |       | A      | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 24-37 |       |       | 24-37 | B      | 2     |           |          | I              | 37             |              |     |     |    | 37   |    |          |               |            |         |
|       | 25-37 | 25-37 |       | B      | 2     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       |       |       | 24-41 |        | 2     |           |          | N              | 41             | 22           |     |     | 3  | 11   | 2  |          | 3             |            |         |
|       | 25-41 |       |       |        | 2     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 24-43 |       |       | 24-43 |        | 3     |           |          | I              | 43             |              |     |     | 23 | 20   |    |          |               |            |         |
|       | 25-43 | 25-43 |       |        | 2     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       |       |       | 24-46 |        | 2     |           |          | I              | 46             |              |     |     | 40 | 4    |    | 2☞       |               |            |         |
|       | 25-46 | 25-46 |       |        | 2     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
| 24-61 |       |       | 24-61 |        | X     | P         | P        | I              | 61             |              |     |     | 61 |      |    |          |               |            |         |
|       | 25-61 | 25-61 |       |        | X     |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       |       |       |       |        |       |           |          |                |                |              |     |     |    |      |    |          |               |            |         |
|       | 25.64 |       |       |        | 2     |           |          | M              | 64             | 18           |     |     | 28 | 18   |    |          |               |            |         |

(A) Preferred (2) Not tooled for RP or 02RE (P) Pin insert only  
 (B) Non preferred (3) Pin insert only, not tooled for RP or 02RE \* Same as H with interfacial seal  
 (C) Inactive # Solder contact version only ☞ For RG180/U and RG195/U Cables only  
 (X) Fully Tooled (S) Socket inserts only  
 NOTE: MS Connector 21-75 is supplied with size 8 twinax. Proprietary connector 21-75 is supplied with size 8 coax \*\* Two size 16 contacts dedicated to fiber optics  
 ☞☞ Size 8 Coax, Twinax and Power contacts are interchangeable.

# Insert arrangements

|                |                 |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |
|----------------|-----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                |                 |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |
| 8-2            | 8-3<br>9-3      | 8-6*<br>9-6    | 9-7            | 9-22           | 8-35<br>9-35    | 8-44*<br>9-44   | 8-97            | 8-98<br>9-98    | 10-01<br>11-01  | 11-2            | 10-4<br>11-4    | 10-5<br>11-5    |
|                |                 |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |
| 11-6           | 10-13*<br>11-13 | 10-35<br>11-35 | 10-98<br>11-98 | 10-99<br>11-99 | 12-3<br>13-3    | 12-4<br>13-4    | 12-8<br>13-8    | 12-22*<br>13-22 | 12-35<br>13-35  | 12-35<br>13-35  | 12-35<br>13-35  | 12-35<br>13-35  |
|                |                 |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |
| 12-98<br>13-98 | 14-4<br>15-4    | 14-5<br>15-5   | 14-15<br>15-15 | 14-18<br>15-18 | 14-19<br>15-19  | 14-35<br>15-35  | 14-37*<br>15-37 | 14-37*<br>15-37 | 14-37*<br>15-37 | 14-37*<br>15-37 | 14-37*<br>15-37 | 14-37*<br>15-37 |
|                |                 |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |
| 14-68<br>15-68 | 14-97<br>15-97  | 17-2           | 16-6<br>17-6   | 16-8<br>17-8   | 16-13<br>17-13  | 16-26<br>17-26  | 16-26<br>17-26  | 16-26<br>17-26  | 16-26<br>17-26  | 16-26<br>17-26  | 16-26<br>17-26  | 16-26<br>17-26  |
|                |                 |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |
| 16-35<br>17-35 | 16-42<br>17-42  | 16-55<br>17-55 | 16-99<br>17-99 | 18-11<br>19-11 | 18-17<br>19-17  | 18-17<br>19-17  | 18-17<br>19-17  | 18-17<br>19-17  | 18-17<br>19-17  | 18-17<br>19-17  | 18-17<br>19-17  | 18-17<br>19-17  |
|                |                 |                |                |                |                 |                 |                 |                 |                 |                 |                 |                 |
| 18-28<br>19-28 | 18-30<br>19-30  | 18-32<br>19-32 | 18-35<br>19-35 | 18-53<br>19-53 | 18-66*<br>19-66 | 18-66*<br>19-66 | 18-66*<br>19-66 | 18-66*<br>19-66 | 18-66*<br>19-66 | 18-66*<br>19-66 | 18-66*<br>19-66 | 18-66*<br>19-66 |

\* Inactive

## Contact Legend

Front end of pins illustrated



# Insert arrangements

|                |                |                |                |                |
|----------------|----------------|----------------|----------------|----------------|
|                |                |                |                |                |
| 19-67          | 18-68<br>19-68 | 18-96          | 20-1*<br>21-1  | 20-2*<br>21-2  |
|                |                |                |                |                |
| 20-11<br>21-11 | 20-16<br>21-16 | 21-24          | 21-25          | 21-27          |
|                |                |                |                |                |
| 20-35<br>21-35 | 20-39<br>21-39 | 20-41<br>21-41 | 20-75<br>21-75 | 20-79<br>21-79 |
|                |                |                |                |                |
| 22-1*<br>23-1  | 22-2*<br>23-2  | 22-14<br>23-14 | 22-21<br>23-21 | 22-32<br>23-32 |
|                |                |                |                |                |
| 23-34          | 22-35<br>23-35 | 23-36          | 22-53<br>23-53 |                |

\* Inactive

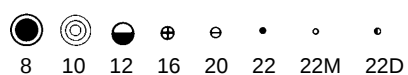
**Contact Legend**  
Front end of pins illustrated

# Insert arrangements

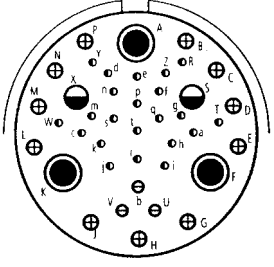
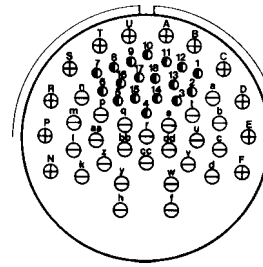
|                |                |                |                |              |
|----------------|----------------|----------------|----------------|--------------|
|                |                |                |                |              |
| 22-54<br>23-54 | 22-55<br>23-55 | 23-97          | 23-99          | 24-1<br>25-1 |
|                |                |                |                |              |
| 24-2<br>25-2   | 24-4<br>25-4   | 24-7<br>25-7   | 24-11<br>25-11 |              |
|                |                |                |                |              |
| 24-19<br>25-19 | 24-20<br>25-20 | 24-24<br>25-24 | 25-26          |              |
|                |                |                |                |              |
| 24-29<br>25-29 | 24-35<br>25-35 | 24-37<br>25-37 | 24-43<br>25-43 |              |

## Contact Legend

Front end of pins illustrated



# Insert arrangements

|                                                                                    |                                                                                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|   |   |
| 24-46<br>25-46                                                                     | 24-61<br>25-61                                                                      |
|  |  |
| 24-41<br>25-41                                                                     | 25-64                                                                               |

**Contact Legend**  
 Front end of pins illustrated









  
 8    10    12    16    20    22    22M    22D

# New Inserts

|                                                                                     |                                                                                     |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |
| 23-5                                                                                | 23-6                                                                                | 25-8                                                                                  |

# Insert Orientations

A plug with a given rotation letter will mate with a receptacle with the same rotation letter. The angles for a given connector are the same whether it contains pins or sockets. Inserts are not rotated in conjunction with the master key/keyway.

## Master Key/Keyway Rotation

| Shell Size     | Key & Keyway Arrangement identification letter | AR°<br>or<br>AP°<br>BSC | BR°<br>or<br>BP°<br>BSC | CR°<br>or<br>CP°<br>BSC | DR°<br>or<br>DP°<br>BSC |
|----------------|------------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 9              | N                                              | 105                     | 140                     | 215                     | 265                     |
|                | A                                              | 102                     | 132                     | 248                     | 320                     |
|                | B                                              | 80                      | 118                     | 230                     | 312                     |
|                | C                                              | 35                      | 140                     | 205                     | 275                     |
|                | D                                              | 64                      | 155                     | 234                     | 304                     |
|                | E                                              | 91                      | 131                     | 197                     | 240                     |
| 11<br>13<br>15 | N                                              | 95                      | 141                     | 208                     | 236                     |
|                | A                                              | 113                     | 156                     | 182                     | 292                     |
|                | B                                              | 90                      | 145                     | 195                     | 252                     |
|                | C                                              | 53                      | 156                     | 220                     | 255                     |
|                | D                                              | 119                     | 146                     | 176                     | 298                     |
|                | E                                              | 51                      | 141                     | 184                     | 242                     |
| 17<br>19       | N                                              | 80                      | 142                     | 196                     | 293                     |
|                | A                                              | 135                     | 170                     | 200                     | 310                     |
|                | B                                              | 49                      | 169                     | 200                     | 244                     |
|                | C                                              | 66                      | 140                     | 200                     | 257                     |
|                | D                                              | 62                      | 145                     | 180                     | 280                     |
|                | E                                              | 79                      | 153                     | 197                     | 272                     |
| 21<br>23<br>25 | N                                              | 80                      | 142                     | 196                     | 293                     |
|                | A                                              | 135                     | 170                     | 200                     | 310                     |
|                | B                                              | 49                      | 169                     | 200                     | 244                     |
|                | C                                              | 66                      | 140                     | 200                     | 257                     |
|                | D                                              | 62                      | 145                     | 180                     | 280                     |
|                | E                                              | 79                      | 153                     | 197                     | 272                     |



**PLUG**  
(front face shown)



# TVP00R, CTVP00R, BS-C6170 D38999/20 JN1034A

## Wall mounting receptacle



|                        |                              |
|------------------------|------------------------------|
| *TVP00RW...            | Olive Drab Aluminium         |
| *TVPS00RF...           | Nickel Plated Aluminium      |
| *TVPS00RB...           | Marine Aluminium Bronze      |
| *TVPS00RS...           | Nickel Plated Stainless      |
| *TVPS00RK...           | Firewall Stainless Steel     |
| *CTVP00RW...           | Olive Drab Composite         |
| *CTVPS00RF...          | Electroless Nickel Composite |
| *BS9522 G0003 C6170... | BS Specification             |
| *D38999/20...          | Mil Specification            |
| *JN1034 A...           | Olive Drab Aluminium         |
| *CECC 75-201-002 B     | Marine Aluminium Bronze      |

\* To complete order see "how to order" pages.



| Shell Size | MS Shell Size Code | B Thread Class 2A 0.1P-0.3L-TS (Plated) | L Max | M +.00 -.13 | M Composite +.00 -.13 | R <sup>1</sup> | R <sup>2</sup> | S ±.25 | T -.20 -.13 | Z Max | TT +.20 -.13 | V Thread Metric | AA Max Panel Thickness |
|------------|--------------------|-----------------------------------------|-------|-------------|-----------------------|----------------|----------------|--------|-------------|-------|--------------|-----------------|------------------------|
| 9          | A                  | .6250                                   | 11.91 | 20.83       | 19.69                 | 18.26          | 15.09          | 24.1   | 3.25        | 3.89  | 5.49         | M12X1-6g        | 5.94                   |
| 11         | B                  | .7500                                   | 11.91 | 20.83       | 19.69                 | 20.62          | 18.26          | 26.5   | 3.25        | 3.89  | 4.93         | M15X1-6g        | 5.94                   |
| 13         | C                  | .8750                                   | 11.91 | 20.83       | 19.69                 | 23.01          | 20.62          | 28.9   | 3.25        | 3.89  | 4.93         | M18X1-6g        | 5.94                   |
| 15         | D                  | 1.0000                                  | 11.91 | 20.83       | 19.69                 | 24.61          | 23.01          | 31.3   | 3.25        | 3.89  | 4.93         | M22X1-6g        | 5.94                   |
| 17         | E                  | 1.1875                                  | 11.91 | 20.83       | 19.69                 | 26.97          | 24.61          | 33.7   | 3.25        | 3.89  | 4.93         | M25X1-6g        | 5.94                   |
| 19         | F                  | 1.2500                                  | 11.91 | 20.83       | 19.69                 | 29.36          | 26.97          | 36.9   | 3.25        | 3.89  | 4.93         | M28X1-6g        | 5.94                   |
| 21         | G                  | 1.3750                                  | 12.70 | 20.07       | 18.92                 | 31.75          | 29.36          | 40.1   | 3.25        | 4.65  | 4.93         | M31X1-6g        | 5.18                   |
| 23         | H                  | 1.5000                                  | 12.70 | 20.07       | 18.92                 | 34.93          | 31.75          | 43.3   | 3.91        | 4.65  | 6.15         | M34X1-6g        | 5.18                   |
| 25         | J                  | 1.6250                                  | 12.70 | 20.07       | 18.92                 | 38.10          | 34.93          | 46.4   | 3.91        | 4.65  | 6.15         | M37x1-6g        | 5.18                   |

All dimensions for reference only

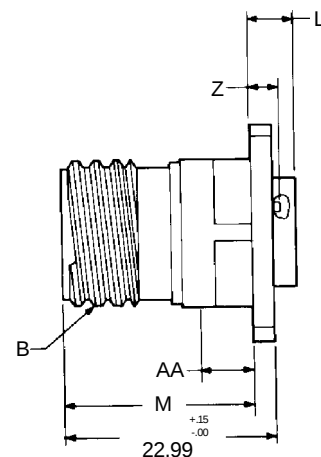
Designates true position dimensioning

From Surface A



# TVP02R CTVP02R JN1034F

## Box mounting receptacle



- \*TVP02RW... Olive Drab Aluminium
- \*TVPS02RF... Electroless Nickel Aluminium
- \*TVPS02RB... Marine Aluminium Bronze
- \*TVPS02RS... Nickel Plated Stainless Steel
- \*TVPS02RK... Firewall stainless Steel
- \*CTVP02RW.. Olive Drab Composite
- \*CTVP02RF.. Electroless Nickel Composite
- \*JN1034F... Olive Drab Aluminium

\* To complete order number, see "How to order" pages.



| Shell Size | MS Shell Size Code | B Thread Class 2a 0.1P-0.3L-TS (Plated) | L Max | M +.00 -.13 | R <sup>1</sup> | R <sup>2</sup> | S ±.25 | T +.20 -.13 | Z Max | AA Max Panel Thickness | TT +.20 -.13 |
|------------|--------------------|-----------------------------------------|-------|-------------|----------------|----------------|--------|-------------|-------|------------------------|--------------|
| 9          | A                  | .6250                                   | 5.21  | 20.83       | 18.26          | 15.09          | 23.82  | 3.25        | 3.89  | 5.94                   | 5.49         |
| 11         | B                  | .7500                                   | 5.21  | 20.83       | 20.62          | 18.26          | 26.19  | 3.25        | 3.89  | 5.94                   | 4.93         |
| 13         | C                  | .8750                                   | 5.21  | 20.83       | 23.01          | 20.62          | 28.58  | 3.25        | 3.89  | 5.94                   | 4.93         |
| 15         | D                  | 1.0000                                  | 5.21  | 20.83       | 24.61          | 23.01          | 30.96  | 3.25        | 3.89  | 5.94                   | 4.93         |
| 17         | E                  | 1.1875                                  | 5.21  | 20.83       | 26.97          | 24.61          | 33.32  | 3.25        | 3.89  | 5.94                   | 4.93         |
| 19         | F                  | 1.2500                                  | 5.21  | 20.83       | 29.36          | 26.97          | 36.52  | 3.25        | 3.89  | 5.94                   | 4.93         |
| 21         | G                  | 1.3750                                  | 5.97  | 20.07       | 31.75          | 29.36          | 39.67  | 3.25        | 4.65  | 5.18                   | 4.93         |
| 23         | H                  | 1.5000                                  | 5.97  | 20.07       | 34.92          | 31.75          | 42.88  | 3.91        | 4.65  | 5.18                   | 6.15         |
| 25         | J                  | 1.6250                                  | 5.97  | 20.07       | 38.10          | 34.92          | 46.02  | 3.91        | 4.65  | 5.18                   | 6.15         |

All dimensions for reference only

 Designates true position dimensioning

# TV06R, CTV06, BS-C6176 D38999/26 JN1034C

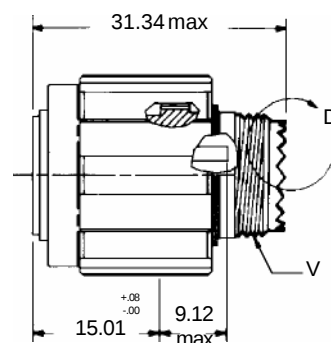
## Straight plug



- \* TV06RW- ... Olive Drab Aluminium
- \* TVS06RF- ... Electroless Nickel Aluminium
- \* TVS06RB- ... Marine Aluminium Bronze
- \* TVS06RS- ... Electroless Nickel Stainless Steel
- \* TVS06RK- ... Firewall Stainless Steel
- \* CTV06RW- ... Olive Drab Composite
- \* CTVS06RF Electroless Nickel Composite
- \* BS9520 G0003 C6176 ... BS Specification
- \* D38999/26-... Mil Specification
- \* JN1034C... Olive drab Aluminium

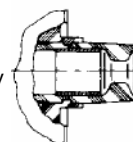


- \* TVS06RB-... (W88) Marine Aluminium Bronze
- \* CECC75-201-002A-... Marine Aluminium Bronze



From surface A  
42.06 Max

View D enlarged for  
size 8 coaxial use only



\* To complete order number, see "how to order" pages

| Shell Size | MS Shell Size Code | C Dia Max | B Thread 0.1P.0.3L.TS.2B Code | Q Max | V Thread Metric |
|------------|--------------------|-----------|-------------------------------|-------|-----------------|
| 9          | A                  | 21.1      | .6250                         | 21.82 | M12X1.6g        |
| 11         | B                  | 23.8      | .7500                         | 24.62 | M15X1.6g        |
| 13         | C                  | 28.2      | .8750                         | 28.98 | M18X1.6g        |
| 15         | D                  | 31.4      | 1.0000                        | 32.16 | M22X1.6g        |
| 17         | E                  | 36.5      | 1.1875                        | 35.33 | M25X1.6g        |
| 19         | F                  | 39.3      | 1.2500                        | 38.10 | M28X1.6g        |
| 21         | G                  | 42.5      | 1.3750                        | 41.28 | M31X1.6g        |
| 23         | H                  | 45.3      | 1.5000                        | 44.45 | M34X1.6g        |
| 25         | J                  | 48.4      | 1.6250                        | 47.63 | M37X1.6g        |

All dimensions for reference only

# TV07R, CTV07R BS-C6177 D38999/24 JN1034B

## Jam nut receptacle



- \* TV07RW-... Olive drab Aluminium
- \* TVS07RF-... Electroless Nickel Aluminium
- \* TVS07RB-... Marine Aluminium Bronze
- \* TVS07RS-... Electroless Nickel Stainless Steel
- \* TVS07RK-... Firewall stainless Steel
- \* CTV07RW-... Olive drab composite
- \* CTVS07RF-... Electroless Nickel composite
- \* BS9520G0003C6177-... BS approved
- \* D38999/24-... Mil Spec Approved
- \* JN1034B-... Olive drab Aluminium
- \* CECC 75-201-002-C-... Marine Aluminium Bronze



- \* To complete order number see "how to order" pages
- D shaped panel cut-out dimensions

| Shell size | MS shell size code | A*<br>+.00<br>-.25 | C<br>max | H hex<br>+.43<br>-.41 | S<br>±.25 | T*<br>+.25<br>-.00 | V<br>thread<br>metric | B Thread Class 2A<br>0.1P-0.3L-TS<br>(Plated) |
|------------|--------------------|--------------------|----------|-----------------------|-----------|--------------------|-----------------------|-----------------------------------------------|
| 9          | A                  | 16.99              | 30.45    | 22.23                 | 26.97     | 17.70              | M12X1-6g              | .6250                                         |
| 11         | B                  | 19.53              | 35.20    | 25.40                 | 31.75     | 20.88              | M15X1-6g              | .7500                                         |
| 13         | C                  | 24.26              | 38.38    | 30.18                 | 34.93     | 25.58              | M18X1-6g              | .8750                                         |
| 15         | D                  | 27.53              | 41.55    | 33.32                 | 38.10     | 28.80              | M22X1-6g              | 1.000                                         |
| 17         | E                  | 30.68              | 44.73    | 36.53                 | 41.28     | 31.98              | M25X1-6g              | 1.1875                                        |
| 19         | F                  | 33.86              | 49.50    | 39.67                 | 46.02     | 35.15              | M28X1-6g              | 1.2500                                        |
| 21         | G                  | 37.06              | 52.65    | 42.88                 | 49.23     | 38.28              | M31X1-6g              | 1.3750                                        |
| 23         | H                  | 40.01              | 55.85    | 46.02                 | 52.37     | 41.50              | M34X1-6g              | 1.500                                         |
| 25         | J                  | 43.41              | 59.00    | 50.80                 | 55.58     | 44.68              | M37X1-6g              | 1.6250                                        |

All dimensions for reference only

# TVBS-A6178JN1034D

## Dummy receptacle



### Aluminium

- \* 10-553974-XXX
- \* BS9522-G0003A6178
- \* JN1034D

### Nickel Aluminium Bronze

- \* 418-1392-XX

| Finish                           | 10-No. Suffix |
|----------------------------------|---------------|
| Olive Drab, Cadmium, nickel base | -XX9          |
| Electroless nickel               | -XXG          |

\* To complete order number, add shell size and suffix number. For example, shell size 11 with olive drab cadmium nickel base, 10-553974-119  
For Nickel Aluminium Bronze dummy receptacle shell size only "XX" =



| Shell Size | MS Shell Size Code | B Thread Class 2A 0.1P-0.3L-TS (Plated) | M +.51 -.00 | R1    | R2    | S ±.25 | T +.20 -.15 | W ±.25 | TT +.20 -.15 |
|------------|--------------------|-----------------------------------------|-------------|-------|-------|--------|-------------|--------|--------------|
| 9          | A                  | .6250                                   | 20.88       | 18.26 | 15.09 | 23.83  | 3.25        | 2.49   | 5.49         |
| 11         | B                  | .7500                                   | 20.88       | 20.62 | 18.26 | 26.19  | 3.25        | 2.49   | 4.93         |
| 13         | C                  | .8750                                   | 20.88       | 23.01 | 20.62 | 28.58  | 3.25        | 2.49   | 4.93         |
| 15         | D                  | 1.0000                                  | 20.88       | 24.61 | 23.01 | 30.96  | 3.25        | 2.49   | 4.93         |
| 17         | E                  | 1.1875                                  | 20.88       | 26.97 | 24.61 | 33.32  | 3.25        | 2.49   | 4.93         |
| 19         | F                  | 1.2500                                  | 20.88       | 29.36 | 26.97 | 36.53  | 3.25        | 2.49   | 4.93         |
| 21         | G                  | 1.3750                                  | 20.09       | 31.75 | 29.36 | 39.67  | 3.25        | 3.18   | 4.93         |
| 23         | H                  | 1.5000                                  | 20.09       | 34.93 | 31.75 | 42.88  | 3.91        | 3.18   | 6.15         |
| 25         | J                  | 1.6250                                  | 20.09       | 38.10 | 34.93 | 46.02  | 3.91        | 3.18   | 6.15         |

All dimensions for reference only

Designates true position dimensioning

# TVPS02Y D38999/21

## Box mounting receptacle - Hermetic



\*TVPS02Y... Stainless Steel

\*TVPS02YN... Nickel Plated Stainless Steel

\*D38999/21... Mil Specification

\* To complete order number, see "how to order" pages.



| Shell Size | MS Shell Size Code | B Thread Class 2a 0.1P-0.3L-TS (Plated) | <span style="border: 1px solid black; padding: 2px;">R<sup>1</sup></span> | <span style="border: 1px solid black; padding: 2px;">R<sup>2</sup></span> | S ±.25 | T +.20<br>-.13 | TT +.20<br>-.13 |
|------------|--------------------|-----------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|--------|----------------|-----------------|
| 9          | A                  | .6250                                   | 18.26                                                                     | 15.09                                                                     | 23.83  | 3.25           | 5.49            |
| 11         | B                  | .7500                                   | 20.62                                                                     | 18.26                                                                     | 26.19  | 3.25           | 4.93            |
| 13         | C                  | .8750                                   | 23.01                                                                     | 20.62                                                                     | 28.58  | 3.25           | 4.93            |
| 15         | D                  | 1.0000                                  | 24.61                                                                     | 23.01                                                                     | 30.96  | 3.25           | 4.93            |
| 17         | E                  | 1.1875                                  | 26.97                                                                     | 24.61                                                                     | 33.32  | 3.25           | 4.93            |
| 19         | F                  | 1.2500                                  | 29.36                                                                     | 26.97                                                                     | 36.53  | 3.25           | 4.93            |
| 21         | G                  | 1.3750                                  | 31.75                                                                     | 29.36                                                                     | 39.67  | 3.25           | 4.93            |
| 23         | H                  | 1.5000                                  | 34.93                                                                     | 31.75                                                                     | 42.88  | 3.91           | 6.15            |
| 25         | J                  | 1.6250                                  | 38.10                                                                     | 34.93                                                                     | 46.02  | 3.91           | 6.15            |

All dimesions for reference only

  designates true position dimensioning

# TVS07Y D38999/23

## Jam nut receptacle - Hermetic



- \* TVS07Y- ... Stainless Steel
- \* TVS07YN- ... Nickel Plated Stainless Steel
- \* D38999/23 ... Mil Specification

\* To complete order number, see "how to order" pages

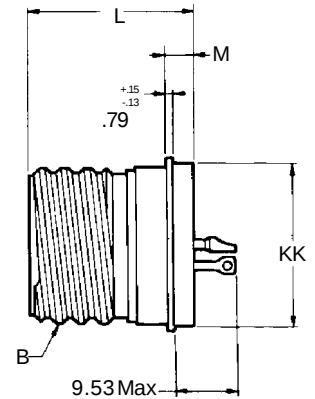
| Shell Size | MS Shell Size Code | A <sup>+</sup><br>+.00<br>-.25 | B Thread<br>Class 2a<br>0.1P-0.3L-TS<br>(Plated) | C<br>Max | H<br>Hex<br>+.43<br>-.41 | L<br>Max | S<br>±.25 | T <sup>+</sup><br>-.25<br>-.00 | KK<br>+.28<br>-.00 |
|------------|--------------------|--------------------------------|--------------------------------------------------|----------|--------------------------|----------|-----------|--------------------------------|--------------------|
| 9          | A                  | 16.99                          | .6250                                            | 30.45    | 22.23                    | 9.07     | 26.97     | 17.70                          | 16.31              |
| 11         | B                  | 19.53                          | .7500                                            | 35.20    | 25.40                    | 9.07     | 31.75     | 20.88                          | 19.46              |
| 13         | C                  | 24.26                          | .8750                                            | 38.38    | 30.18                    | 9.07     | 34.93     | 25.58                          | 22.66              |
| 15         | D                  | 27.53                          | 1.0000                                           | 41.55    | 33.32                    | 9.07     | 38.10     | 28.80                          | 25.86              |
| 17         | E                  | 30.68                          | 1.1875                                           | 44.73    | 36.53                    | 9.07     | 41.28     | 31.98                          | 29.01              |
| 19         | F                  | 33.86                          | 1.2500                                           | 49.50    | 39.67                    | 9.68     | 46.02     | 35.15                          | 32.21              |
| 21         | G                  | 37.06                          | 1.3750                                           | 52.65    | 42.80                    | 9.68     | 49.23     | 38.28                          | 35.36              |
| 23         | H                  | 40.01                          | 1.5000                                           | 55.85    | 46.02                    | 9.68     | 52.37     | 41.50                          | 38.56              |
| 25         | J                  | 43.41                          | 1.6250                                           | 59.00    | 50.80                    | 9.68     | 55.58     | 44.68                          | 41.71              |

All dimensions for reference only.

• D shaped panel cut-out dimensions

# TVS1Y D38999/25

## Solder mounting receptacle - Hermetic



- \* TVS1Y... Stainless Steel
- \* TVS1YN-... Nickel Plated Stainless Steel
- \* D38999/25... Mil Specification

\* To complete order number, see "how to order" pages

| Shell Size | MS Shell Size Code | B Thread Class 2a<br>0.1P-0.3L-TS<br>(Plated) | L<br>+.28<br>-.00 | M<br>+.15<br>-.13 | GG Dia<br>+.28<br>-.25 | KK Dia<br>+.03<br>-.13 |
|------------|--------------------|-----------------------------------------------|-------------------|-------------------|------------------------|------------------------|
| 9          | A                  | .6250                                         | 20.47             | 3.18              | 19.05                  | 17.07                  |
| 11         | B                  | .7500                                         | 20.47             | 3.18              | 21.44                  | 19.84                  |
| 13         | C                  | .8750                                         | 20.47             | 3.18              | 24.61                  | 23.01                  |
| 15         | D                  | 1.0000                                        | 20.47             | 3.18              | 27.79                  | 26.19                  |
| 17         | E                  | 1.1875                                        | 20.47             | 3.18              | 30.94                  | 29.36                  |
| 19         | F                  | 1.2500                                        | 20.47             | 3.18              | 33.32                  | 31.75                  |
| 21         | G                  | 1.3750                                        | 20.47             | 3.18              | 36.53                  | 34.93                  |
| 23         | H                  | 1.5000                                        | 21.29             | 3.96              | 39.70                  | 38.10                  |
| 25         | J                  | 1.6250                                        | 21.29             | 3.96              | 42.88                  | 41.28                  |

All dimensions for reference only

## TV - Accessories

### Cable Clamp



\* 10-595103-XXX

\* To complete order number, add shell size and suffix number.  
For example, shell size 11 with cadmium plate, nickel base, 10-595103-119.

| Finish                           | 10-No. Suffix |
|----------------------------------|---------------|
| Chromate treat                   | -XX0          |
| Anodic coating                   | -XX5          |
| Cadmium plate nickel base        | -XX7          |
| Olive Drab, Cadmium, nickel base | -XX9          |
| Electroless nickel               | -XXG          |

| Shell Size | A Dia<br>+02<br>-06 | B Dia<br>+00<br>-03 | L Max | Y Thread | GG Max |
|------------|---------------------|---------------------|-------|----------|--------|
| 9          | 3.17                | 6.35                | 23.42 | M12X1-6H | 19.68  |
| 11         | 4.77                | 7.92                | 23.42 | M15X1-6H | 20.09  |
| 13         | 7.92                | 11.12               | 23.42 | M18X1-6H | 24.46  |
| 15         | 9.52                | 14.27               | 29.76 | M22X1-6H | 27.60  |
| 17         | 12.70               | 15.89               | 29.76 | M25X1-6H | 29.31  |
| 19         | 15.87               | 19.05               | 29.76 | M28X1-6H | 35.54  |
| 21         | 15.87               | 19.05               | 29.76 | M31X1-6H | 35.54  |
| 23         | 19.03               | 23.82               | 32.94 | M34X1-6H | 40.31  |
| 25         | 20.32               | 25.54               | 32.94 | M37X1-6H | 42.69  |

All dimensions for reference only

# Tri-Start - Accessories **BS-A6171 D38999/33**

## Receptacle protection cap



\*To complete order number, add shell size and suffix number.  
For example, shell size 11 with olive drab cadmium nickel base,  
10-552943-119.

| Plating Finish<br>on Aluminium   | 10-No.<br>Suffix | MIL Spec<br>Suffix |
|----------------------------------|------------------|--------------------|
| Olive Drab, Cadmium, nickel base | -XX9             | W                  |
| Electroless nickel               | -XXG             | F                  |

| Shell<br>Size | MS<br>Shell Size<br>Code | A Thread<br>Class 2a<br>0.1P-0.3L-TS | B<br>Dia<br>-.00 | D Dia<br>+.25<br>-.00 |
|---------------|--------------------------|--------------------------------------|------------------|-----------------------|
| 9             | A                        | .6250                                | 22.23            | 17.86                 |
| 11            | B                        | .7500                                | 25.40            | 21.44                 |
| 13            | C                        | .8750                                | 28.58            | 25.81                 |
| 15            | D                        | 1.0000                               | 31.75            | 28.98                 |
| 17            | E                        | 1.1875                               | 36.53            | 32.16                 |
| 19            | F                        | 1.2500                               | 38.10            | 35.33                 |
| 21            | G                        | 1.3750                               | 41.28            | 38.51                 |
| 23            | H                        | 1.5000                               | 44.45            | 41.68                 |
| 25            | J                        | 1.6250                               | 47.63            | 44.86                 |

All dimensions for reference only

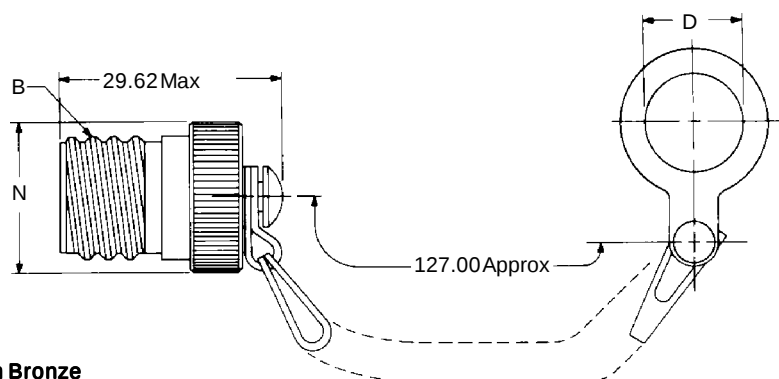
# Tri-Start - Accessories **BS-A6173 D38999/32**

## Plug protection cap

- \* 10-552944-XXX
- \* BS9520 G0003 A6173-...
- \* D38999/32X-XXR



- \* 10-553998-XX
- \* D38999/32X-XXN



### Nickel Aluminium Bronze

- \* 418-1405-XX



Note: Approximately 450mm of Nylon rope, plus crimp ferrule is supplied with each 418-1405 cap.

\* To complete order number, add shell size and suffix number.  
For example, shell size 11 with olive drab cadmium nickel base,  
10-552944-119.

| Plating Finish<br>on Aluminium   | 10-No.<br>Suffix | MIL Spec<br>Suffix |
|----------------------------------|------------------|--------------------|
| Olive Drab, Cadmium, nickel base | -XX9             | W                  |
| Electroless nickel               | -XXG             | F                  |

| Shell<br>Size | MS<br>Shell Size<br>Code | B Thread<br>Class 2a<br>0.1P-0.3L-TS | D<br>+.25<br>-.00 | N<br>Dia<br>Max |
|---------------|--------------------------|--------------------------------------|-------------------|-----------------|
| 9             | A                        | .6250                                | 13.11             | 22.73           |
| 11            | B                        | .7500                                | 16.28             | 25.40           |
| 13            | C                        | .8750                                | 19.46             | 29.74           |
| 15            | D                        | 1.0000                               | 22.63             | 32.99           |
| 17            | E                        | 1.1875                               | 25.81             | 36.47           |
| 19            | F                        | 1.2500                               | 28.98             | 39.19           |
| 21            | G                        | 1.3750                               | 32.16             | 42.42           |
| 23            | H                        | 1.5000                               | 34.11             | 45.39           |
| 25            | J                        | 1.6250                               | 38.51             | 48.62           |

All dimensions for reference only

# LJT00R BS-C6160 MS27466 HE308-00T

## Wall mounting receptacle



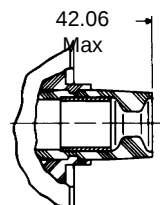
- \* LJT00RT-...
- \* MS27466T...
- \* BS-9520-G0001-C6160...



- \* LJT00RP-...
- \* MS27466P...



- \* LJT00RE-... (SR)



View D enlarged for  
coaxial use only

\* To complete order number, see "how to order" pages



| Shell Size | M<br>+.00<br>-.13 | V<br>Thread<br>Class 2A<br>(Plated) | N<br>+.03<br>-.13 | S<br>+.41 | R<br>(TP) | T<br>Dia<br>+.13 | F<br>Dia | KK<br>Dia<br>Max | L<br>Max | KK¹<br>Max | F¹<br>Dia<br>+.25 |
|------------|-------------------|-------------------------------------|-------------------|-----------|-----------|------------------|----------|------------------|----------|------------|-------------------|
| 9          | 16.05             | .4375-28UNEF                        | 14.53             | 23.83     | 18.26     | 3.25             | 8.31     | 15.44            | 20.65    | 20.62      | 3.18              |
| 11         | 16.05             | .5625-24UNEF                        | 17.78             | 26.19     | 20.62     | 3.25             | 11.28    | 18.64            | 20.65    | 22.23      | 4.78              |
| 13         | 16.05             | .6875-24UNEF                        | 21.59             | 28.58     | 23.01     | 3.25             | 14.17    | 21.74            | 20.65    | 25.40      | 7.92              |
| 15         | 16.05             | .8125-20UNEF                        | 24.77             | 30.96     | 24.61     | 3.25             | 17.35    | 24.99            | 20.65    | 28.58      | 9.53              |
| 17         | 16.05             | .9375-20UNEF                        | 27.94             | 33.32     | 26.97     | 3.25             | 20.52    | 28.19            | 20.65    | 30.18      | 12.70             |
| 19         | 16.05             | 1.0625-18UNEF                       | 30.66             | 36.53     | 29.36     | 3.25             | 23.09    | 31.34            | 20.65    | 36.53      | 15.88             |
| 21         | 15.29             | 1.1875-18UNEF                       | 33.83             | 39.67     | 31.75     | 3.25             | 26.26    | 34.54            | 23.01    | 36.53      | 15.88             |
| 23         | 15.29             | 1.3125-18UNEF                       | 37.01             | 42.88     | 34.93     | 3.73             | 29.44    | 37.69            | 23.01    | 41.28      | 19.05             |
| 25         | 15.29             | 1.4375-18UNEF                       | 40.18             | 46.02     | 38.10     | 3.73             | 40.89    | 40.89            | 23.01    | 43.66      | 20.32             |

All dimensions for reference only

# LJTPQ00R BS-C6163 MS27656

Wall mounting receptacle (back panel mounting)



- \* BS-9520-G0001-C6163...
- \* LJTPQ00RT-...
- \* MS27656T...

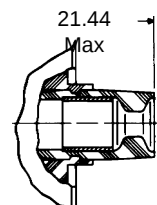


\* LJTPQ00RE-XX-XXX (SR)

\* To complete order number, see "how to order" pages



View D enlarged for coaxial use only



| Shell Size | F Dia +.25 | L Max | L <sup>1</sup> Max | M +.00 -.13 | N Dia | P Max Panel Thickness | R (TP) | S +.28 -.25 | T Dia +.13 | V Thread UNEF Class 2A (Plated) | Z Max | KK Dia Max | A Dia +.00 -.41 | KK <sup>1</sup> Max | F <sup>1</sup> Dia +.25 -.64 |
|------------|------------|-------|--------------------|-------------|-------|-----------------------|--------|-------------|------------|---------------------------------|-------|------------|-----------------|---------------------|------------------------------|
| 9          | 11.28      | 11.51 | 16.28              | 20.83       | 14.53 | 5.94                  | 18.26  | 23.83       | 3.25       | .4375-28                        | 3.51  | 15.88      | 16.81           | 20.62               | 3.18                         |
| 11         | 14.17      | 11.51 | 16.28              | 20.83       | 17.78 | 5.94                  | 20.62  | 26.18       | 3.25       | .5625-24                        | 3.51  | 19.05      | 20.57           | 22.23               | 4.78                         |
| 13         | 17.35      | 11.51 | 16.28              | 20.83       | 21.59 | 5.94                  | 23.01  | 28.58       | 3.25       | .6875-24                        | 3.51  | 22.23      | 24.38           | 25.40               | 7.92                         |
| 15         | 20.52      | 11.51 | 16.28              | 20.83       | 24.77 | 5.94                  | 24.61  | 30.96       | 3.25       | .8125-20                        | 3.51  | 25.40      | 27.56           | 28.58               | 9.53                         |
| 17         | 23.09      | 11.51 | 16.28              | 20.83       | 27.94 | 5.94                  | 26.97  | 33.32       | 3.25       | .9375-20                        | 3.51  | 28.58      | 30.73           | 30.18               | 12.70                        |
| 19         | 26.26      | 11.51 | 16.28              | 20.83       | 30.66 | 5.94                  | 29.36  | 36.53       | 3.25       | 1.0625-18                       | 3.51  | 31.05      | 33.45           | 36.53               | 15.88                        |
| 21         | 29.44      | 12.29 | 17.07              | 20.07       | 33.83 | 5.18                  | 31.75  | 39.67       | 3.25       | 1.1875-18                       | 4.27  | 34.93      | 36.53           | 36.53               | 15.88                        |
| 23         | 32.61      | 12.29 | 17.07              | 20.07       | 37.01 | 5.18                  | 34.93  | 42.88       | 3.73       | 1.3125-18                       | 4.27  | 38.10      | 39.30           | 41.28               | 19.05                        |
| 25         | 35.79      | 12.29 | 17.07              | 20.07       | 40.18 | 5.18                  | 38.10  | 46.02       | 3.73       | 1.4375-18                       | 4.27  | 41.28      | 42.98           | 43.66               | 20.32                        |

All dimensions for reference only

## LJT02R BS-C6162 MS27496

Box mounting receptacle

## LJTP02R BS-C6164 MS27505

Box mounting receptacle (back panel mounting)



- \* LJTP02RE-...
- \* BS-9520-G0001-C6162...
- \* MS27496E...



- \* LJTP02RE-...
- \* BS-9520-G0001-C6164...
- \* MS27505E...

\* To complete order number, see "how to order" pages



View D enlarged for coaxial use only



| Shell Size | L Max | M +.00<br>-.13 | M <sup>1</sup> +.00<br>-.13 | N Dia +.03<br>-.13 | P Max Panel Thickness | R (TP) | S +.28<br>-.25 | T Dia ±.13 | Z ±.79 | KK Dia +.15<br>-.13 | A Dia +.00<br>-.41 |
|------------|-------|----------------|-----------------------------|--------------------|-----------------------|--------|----------------|------------|--------|---------------------|--------------------|
| 9          | 5.16  | 16.05          | 20.83                       | 14.53              | 5.94                  | 18.26  | 23.33          | 3.25       | 2.72   | 11.00               | 16.81              |
| 11         | 5.16  | 16.05          | 20.83                       | 17.78              | 5.94                  | 20.62  | 26.19          | 3.25       | 2.72   | 14.15               | 20.57              |
| 13         | 5.16  | 16.05          | 20.83                       | 21.59              | 5.94                  | 23.01  | 28.58          | 3.25       | 2.72   | 17.17               | 24.38              |
| 15         | 5.16  | 16.05          | 20.83                       | 24.77              | 5.94                  | 24.61  | 30.96          | 3.25       | 2.72   | 20.35               | 27.56              |
| 17         | 5.16  | 16.05          | 20.83                       | 27.94              | 5.94                  | 26.87  | 33.32          | 3.25       | 2.72   | 23.52               | 30.73              |
| 19         | 5.16  | 16.05          | 20.83                       | 30.66              | 5.94                  | 29.36  | 36.53          | 3.25       | 2.72   | 26.21               | 33.45              |
| 21         | 5.94  | 15.29          | 20.07                       | 33.93              | 5.18                  | 31.75  | 39.67          | 3.25       | 3.48   | 29.39               | 36.63              |
| 23         | 5.94  | 15.29          | 20.07                       | 37.01              | 5.18                  | 34.93  | 42.88          | 3.73       | 3.48   | 32.56               | 39.80              |
| 25         | 5.94  | 15.29          | 20.07                       | 40.18              | 4.90                  | 38.10  | 46.02          | 3.73       | 3.48   | 35.74               | 42.98              |

All Dimensions for reference only

# LJT06R BS-C6166 MS27467 HE308-06T

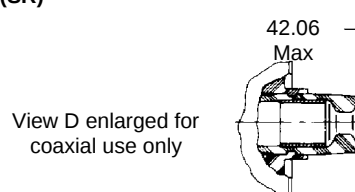
## Straight plug



- \* LJT06RE-XX-XXX
- \* MS27467E
- \* LJT06RT-XX-XXX
- \* MS27467T
- \* HE308-06T-XX-XXXX
- BS9520-G0001-C6165-XX-XXXX



- \* LJT06RE-XX-XXX (SR)



\* To complete order number, see "how to order" page

| Shell Size | L Max | L¹ Max | V Thread Class 2a (Plated) | Q Max | F Dia | KK Dia Max | KK¹ max | F¹ Dia +.010 -.025 |
|------------|-------|--------|----------------------------|-------|-------|------------|---------|--------------------|
| 9          | 38.89 | 48.00  | .4375-28UNEF               | 21.44 | 8.31  | 15.44      | 20.62   | 3.18               |
| 11         | 38.89 | 48.00  | .5625-24UNEF               | 24.61 | 11.28 | 18.64      | 22.23   | 4.78               |
| 13         | 38.89 | 48.00  | .6875-24UNEF               | 28.98 | 14.17 | 21.79      | 25.40   | 7.92               |
| 15         | 38.89 | 54.35  | .8125-20UNEF               | 32.16 | 17.35 | 24.99      | 28.58   | 9.53               |
| 17         | 38.89 | 54.35  | .9375-20UNEF               | 35.33 | 20.52 | 28.19      | 30.18   | 12.70              |
| 19         | 38.89 | 54.35  | 1.0625-18UNEF              | 38.10 | 23.09 | 31.34      | 36.53   | 15.88              |
| 21         | 41.28 | 54.35  | 1.1875-18UNEF              | 41.28 | 26.26 | 34.54      | 36.53   | 15.88              |
| 23         | 41.28 | 57.54  | 1.3125-18UNEF              | 44.45 | 29.44 | 37.68      | 41.28   | 19.05              |
| 25         | 41.28 | 57.54  | 1.4375-18UNEF              | 47.63 | 32.61 | 40.89      | 43.66   | 20.32              |

All dimensions for reference only

# LJT06R...(WXX) BS-C6165

## Straight Plug (with heavy duty coupling ring)



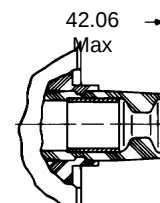
- \* LJT06RT-XX-XX (WXX)
- \* BS-9520-G0001-C6165-XXXXX

\* To complete order number, see "how to order" page

All other dimension are as standard plug

| Finish                               | Military<br>Finish<br>Data | Normal<br>Finish<br>Deviation | Heavy Duty<br>Coupling Ring<br>+ Finish Deviation |
|--------------------------------------|----------------------------|-------------------------------|---------------------------------------------------|
| Cadmium plated nickel base           | A                          |                               | W03                                               |
| Olive drab cadmium plate nickel base | B                          | (014)                         | W09                                               |
| Electroless nickel                   | F                          | (023)                         | W12                                               |

View D enlarged for  
#8 coaxial use only



| Shell<br>Size | V<br>Thread<br>Class 2A<br>(Plated) | A<br>Max |
|---------------|-------------------------------------|----------|
| 9             | .4375-28UNEF                        | 24.87    |
| 11            | .5625-24UNEF                        | 29.01    |
| 13            | .6875-24UNEF                        | 32.18    |
| 15            | .8125-20UNEF                        | 35.58    |
| 17            | .9375-20UNEF                        | 38.23    |
| 19            | 1.0625-18UNEF                       | 41.94    |
| 21            | 1.1875-18UNEF                       | 45.11    |
| 23            | 1.3125-18UNEF                       | 48.18    |
| 25            | 1.4375-18UNEF                       | 49.73    |

# LJT07R BS-C6167 MS27468 HE308-07T

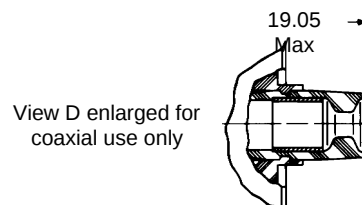
## Jam nut receptacle



- \* LJT07RT...
- \* BS-9520-G0001-C6167...
- \* HE308-07T...
- \* MS 27468T...



- \* LJT07RE-XX-XXX (SR)



- "D" shaped mounting hole dimensions
- \* To complete order number, see "how to order" page

| Shell Size | RR Thread Class 2A (Plated) | N<br>+.03<br>-.13 | A•<br>+.00<br>-.25 | T•<br>+.25<br>-.00 | C<br>Max | H<br>Hex<br>+.43<br>-.41 | S<br>±.41 | V Thread Class 2A (Plated) | KK<br>Dia<br>Max | F<br>Dia | L<br>Max | KK¹<br>Max | F¹<br>Dia<br>+.25<br>-.64 |
|------------|-----------------------------|-------------------|--------------------|--------------------|----------|--------------------------|-----------|----------------------------|------------------|----------|----------|------------|---------------------------|
| 9          | .6875-24UNEF                | 14.53             | 16.99              | 17.70              | 30.45    | 22.23                    | 26.97     | .4375-28UNEF               | 15.44            | 8.31     | 15.88    | 20.62      | 3.18                      |
| 11         | .8125-20UNEF                | 17.78             | 19.53              | 20.88              | 35.20    | 25.40                    | 31.75     | .5625-24UNEF               | 18.64            | 11.28    | 15.88    | 22.23      | 4.78                      |
| 13         | 1.0000-20UNEF               | 21.59             | 24.26              | 25.38              | 33.38    | 30.18                    | 34.93     | .6875-24UNEF               | 21.79            | 14.17    | 15.88    | 25.40      | 7.92                      |
| 15         | 1.1250-18UNEF               | 24.77             | 27.53              | 28.80              | 41.55    | 33.32                    | 38.10     | .8125-20UNEF               | 24.99            | 17.35    | 15.88    | 28.38      | 9.53                      |
| 17         | 1.2500-18UNEF               | 27.94             | 30.68              | 31.93              | 44.73    | 36.53                    | 41.28     | .9375-20UNEF               | 28.19            | 20.52    | 15.88    | 30.18      | 12.70                     |
| 19         | 1.3750-18UNEF               | 30.66             | 33.86              | 35.15              | 49.50    | 39.67                    | 46.02     | 1.0625-18UNEF              | 31.34            | 23.09    | 15.88    | 36.53      | 15.88                     |
| 21         | 1.5000-18UNEF               | 33.83             | 37.06              | 38.28              | 52.65    | 42.88                    | 49.23     | 1.1875-18UNEF              | 34.54            | 26.26    | 19.05    | 36.53      | 15.88                     |
| 23         | 1.6250-18UNEF               | 37.01             | 40.13              | 41.50              | 55.35    | 46.02                    | 52.37     | 1.3125-18UNEF              | 37.69            | 29.44    | 19.05    | 41.28      | 19.05                     |
| 25         | 1.7500-18UNS                | 40.18             | 43.41              | 44.68              | 59.00    | 50.30                    | 55.58     | 1.4375-18UNEF              | 40.39            | 32.61    | 19.05    | 43.66      | 20.32                     |

# LJT00 MS27469 - hermetic Wall mounting receptacle



- \* LJT00H-XX-XXX
- \*\* LJT00Y-XX-XXX
- \*\* MS27469YXXDXXXX
- \*\*\* LJTS00Y-XX-XXX
- \*\*\* MS27469YXXEXXXX

\* To complete order number, see "how to order" page

\*\* Interfacial seal wafer, to complete order number, see "how to order" page

\*\*\* High temperature version, interfacial seal wafer with stainless steel shell, to complete order number see "how to order" page



| Shell Size | N Dia<br>+.02<br>-.12 | R<br>(TP) | S<br>±0.40 | RR<br>Thread<br>Class 2A | T<br>Dia<br>±0.12 |
|------------|-----------------------|-----------|------------|--------------------------|-------------------|
| 9          | 14.52                 | 18.26     | 23.82      | .6875-24UNEF             | 3.25              |
| 11         | 17.78                 | 20.62     | 26.18      | .8125-20UNEF             | 3.25              |
| 13         | 21.59                 | 23.01     | 28.57      | .9375-20UNEF             | 3.25              |
| 15         | 24.76                 | 24.61     | 30.96      | 1.0625-18UNEF            | 3.25              |
| 17         | 27.94                 | 26.97     | 33.82      | 1.1875-18UNEF            | 3.25              |
| 19         | 30.65                 | 29.36     | 36.52      | 1.3125-18UNEF            | 3.25              |
| 21         | 33.83                 | 31.75     | 39.67      | 1.4375-18UNEF            | 3.25              |
| 23         | 37.00                 | 34.92     | 42.87      | 1.5625-18UNEF            | 3.73              |
| 25         | 40.18                 | 38.10     | 46.02      | 1.6875-18UNEF            | 3.78              |

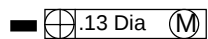
All dimensions for reference only

# LJT07 MS27470 - hermetic Jam nut receptacle



- \* LJT07H-XX-XXX
- \*\* LJT07Y-XX-XXX
- \*\* MS27470YXXDXXXX
- \*\*\* LJTS07Y-XX-XXX
- \*\*\* MS27470YXXEXXXX

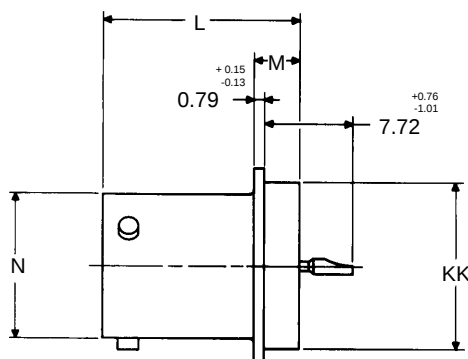
- "D" shaped mounting hole dimensions
- \* To complete order number, see "how to order" page
- \*\* Interfacial seal wafer, to complete order number, see "how to order" page
- \*\*\* High temperature version, interfacial seal wafer with stainless steel shell, to complete order number see "how to order" page



| Shell Size | L Max | KK<br>+0.27<br>-.00 | RR Thread<br>Class 2A<br>(Plated) | N<br>+.00<br>-.13 | A•<br>+.00<br>-.02 | T•<br>+.02<br>-.00 | C Max | H Hex<br>+0.43<br>-0.41 | S<br>±0.41 |
|------------|-------|---------------------|-----------------------------------|-------------------|--------------------|--------------------|-------|-------------------------|------------|
| 9          | 7.54  | 16.30               | .6875-24UNEF                      | 14.52             | 16.55              | 17.70              | 30.45 | 22.22                   | 26.97      |
| 11         | 7.54  | 19.45               | .8125-20UNEF                      | 17.78             | 19.57              | 20.87              | 35.20 | 25.40                   | 31.75      |
| 13         | 7.54  | 22.65               | 1.0000-20UNEF                     | 21.59             | 24.25              | 25.57              | 38.79 | 30.17                   | 34.92      |
| 15         | 7.54  | 25.85               | 1.1250-18UNEF                     | 24.76             | 27.53              | 28.80              | 41.55 | 33.32                   | 38.10      |
| 17         | 7.54  | 29.01               | 1.2500-18UNEF                     | 27.94             | 30.68              | 31.97              | 44.72 | 36.52                   | 41.27      |
| 19         | 8.33  | 32.20               | 1.3750-18UNEF                     | 30.65             | 33.85              | 35.15              | 49.50 | 39.67                   | 46.02      |
| 21         | 8.33  | 35.35               | 1.5000-18UNEF                     | 33.83             | 37.05              | 38.27              | 52.65 | 42.87                   | 49.22      |
| 23         | 8.33  | 38.55               | 1.6250-18UNEF                     | 37.01             | 40.13              | 41.50              | 55.85 | 46.02                   | 52.37      |
| 25         | 8.32  | 41.70               | 1.7500-18UNS                      | 40.18             | 43.40              | 44.67              | 59.00 | 49.17                   | 55.57      |

# LJT1Y MS27471 - hermetic

## Solder mounting receptacle



- \* LJT1H-...
- \*\* LJT1Y-...
- \*\* MS27470YXXD
- \*\*\* LJT51Y-...
- \*\*\* MS27470YXXE

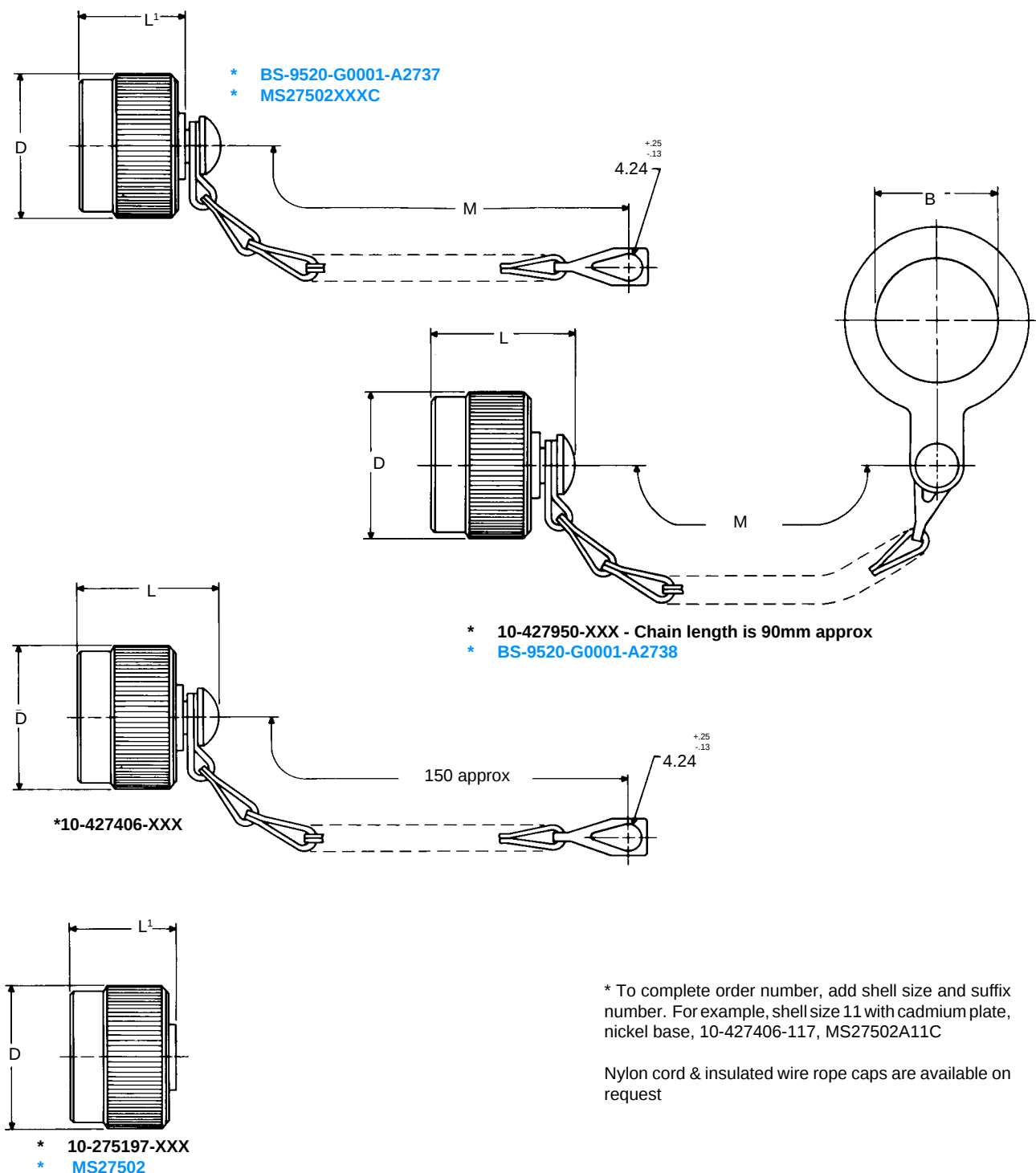
- \* To complete order number, see "how to order" page
- \*\* Interfacial seal wafer, to complete order number, see "how to order" page
- \*\*\* High temperature version, interfacial seal wafer with stainless steel shell, to complete order number see "how to order" page

| Shell Size | N Dia<br>+02<br>-0.13 | SS Dia<br>+00<br>0.40 | L<br>+0.28<br>-0.00 | M<br>+0.15<br>-0.13 | GG Dia<br>+0.28<br>-0.25 | KK Dia<br>+0.02<br>-0.13 |
|------------|-----------------------|-----------------------|---------------------|---------------------|--------------------------|--------------------------|
| 9          | 14.53                 | 16.81                 | 20.04               | 3.17                | 19.05                    | 17.07                    |
| 11         | 14.78                 | 20.57                 | 20.04               | 3.17                | 21.36                    | 19.84                    |
| 13         | 21.59                 | 24.38                 | 20.04               | 3.17                | 24.61                    | 25.01                    |
| 15         | 24.76                 | 28.16                 | 20.04               | 3.17                | 24.79                    | 26.19                    |
| 17         | 27.94                 | 30.73                 | 20.04               | 3.17                | 30.94                    | 29.36                    |
| 19         | 30.66                 | 33.45                 | 20.04               | 3.17                | 33.32                    | 31.75                    |
| 21         | 33.83                 | 36.63                 | 20.04               | 3.17                | 36.52                    | 34.92                    |
| 23         | 37.01                 | 39.80                 | 20.85               | 3.96                | 39.70                    | 38.10                    |
| 25         | 40.18                 | 42.97                 | 20.85               | 3.96                | 42.87                    | 41.27                    |

All dimensions for reference only

**LJT BS-A2737 MS27502**

## Receptacle protection cap



| Shell Size | B Dia<br>+.25<br>-.00 | D Dia<br>Max | L<br>Max | L <sup>1</sup><br>Max | M<br>±6.00 |
|------------|-----------------------|--------------|----------|-----------------------|------------|
| 9          | 17.86                 | 21.44        | 27.18    | 21.44                 | 76         |
| 11         | 21.44                 | 24.61        | 27.18    | 21.44                 | 76         |
| 13         | 25.81                 | 28.58        | 27.18    | 21.44                 | 89         |
| 15         | 28.98                 | 31.75        | 27.18    | 21.44                 | 89         |
| 17         | 32.16                 | 35.71        | 27.18    | 21.44                 | 89         |
| 19         | 35.53                 | 38.10        | 27.18    | 21.44                 | 89         |
| 21         | 38.51                 | 41.28        | 27.18    | 21.44                 | 102        |
| 23         | 41.68                 | 44.45        | 27.18    | 21.44                 | 102        |
| 25         | 44.86                 | 47.63        | 27.66    | 22.23                 | 102        |

| Finish                           | 10-No. Suffix | MS No. Suffix With Chain | MS No. Suffix Without Chain |
|----------------------------------|---------------|--------------------------|-----------------------------|
| Chromate treat                   | -XX0          |                          |                             |
| Anodic coating                   | -XX5          | CXXC                     |                             |
| Cadmium plate nickel base        | -XX7          | AXXC                     | AXX                         |
| Olive Drab, Cadmium, nickel base | -XX9          | BXXC                     | BXX                         |
| Electroless nickel               | -XXG          | FXXC                     | FXX                         |

All dimensions for reference only

# LJT BS-A2736 MS27501

## Plug protection cap



Nylon cord & wire rope caps are available on request

\* To complete order number, add shell size and suffix number.

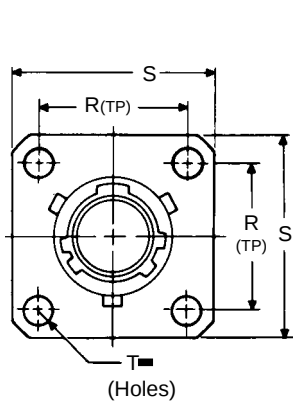
For example, shell size 11 with cadmium plate, nickel base, 10-421399-117, MS27501A11C or MS20048A11

| Shell Size | B Dia Ref. | D Dia Max. | M ±6.35 | N Dia +.03 / -.13 |
|------------|------------|------------|---------|-------------------|
| 9          | 4.57       | 20.62      | 76.00   | 14.53             |
| 11         | 4.57       | 23.83      | 76.00   | 17.78             |
| 13         | 4.57       | 26.97      | 89.00   | 21.59             |
| 15         | 4.57       | 30.18      | 89.00   | 24.77             |
| 17         | 4.57       | 33.32      | 89.00   | 27.94             |
| 19         | 5.31       | 36.53      | 89.00   | 30.66             |
| 21         | 5.31       | 39.67      | 102.00  | 33.83             |
| 23         | 5.31       | 42.88      | 102.00  | 37.01             |
| 25         | 5.31       | 46.02      | 102.00  | 40.18             |

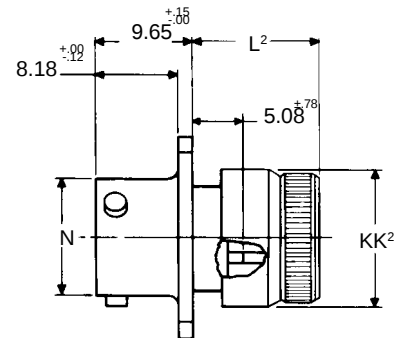
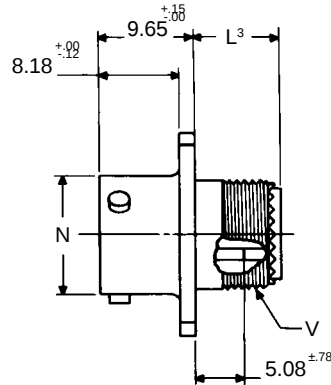
| Finish                           | 10-No. Suffix | MS No. Suffix With Chain | MS No. Suffix Without Chain |
|----------------------------------|---------------|--------------------------|-----------------------------|
| Chromate treat                   | -XX0          |                          |                             |
| Anodic coating                   | -XX5          | CXXC                     |                             |
| Cadmium plate nickel base        | -XX7          | AXXC                     | AXX                         |
| Olive Drab, Cadmium, nickel base | -XX9          | BXXC                     | BXX                         |
| Electroless nickel               | -XXG          | FXXC                     | FXX                         |

# JT00R BS-C2022 MS27472

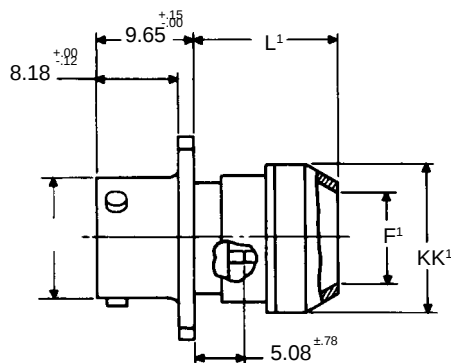
## Wall mounting receptacle



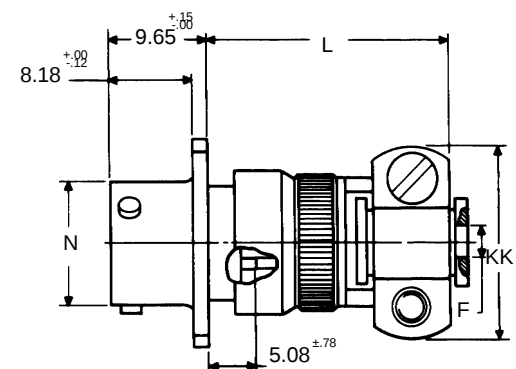
- \* JT00RT-XX-XXX
- \*\* JTS00RT-XX-XXX
- \*\*\* JTN00RT-XX-XXX
- \* C2022
- \* MS27472T



- \* JT00RE-XX-XXX
- \* MS27472E
- \*\* JTS00RE-XX-XXX
- \*\* MS27479E
- \*\*\* JTN00RE-XX-XXX

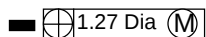


- \* JT00RP-XX-XXX
- \*\* JTS00RP-XX-XXX
- \*\*\* JTN00RP-XX-XXX
- \* MS27472P
- \* MS27479P



- \* JT00RE-XX-XXX (SR)
- \*\* JTS00RE-XX-XXX (SR)
- \*\*\* JTN00RE-XX-XXX (SR)

- \* To complete order number, see "How to order" pages
- \*\* High temperature version.
- \*\*\* Clear iridite finish (gold colour), N<sub>2</sub>O<sub>4</sub> resistant



| Shell Size | KK Max | KK¹ Dia Max | KK² Dia Max | F Dia +.25 - .63 | F¹ Dia | L Max | L¹ Max | L² Max | L³ Max | R (TP) | S ±.41 | T ±.13 | N +.02 -.13 | V Thread UNEF Class 2A |
|------------|--------|-------------|-------------|------------------|--------|-------|--------|--------|--------|--------|--------|--------|-------------|------------------------|
| 8          | 20.62  | 15.89       | 14.68       | 3.18             | 11.28  | 27.79 | 15.47  | 13.89  | 12.70  | 15.09  | 20.62  | 3.05   | 12.01       | .4375-28               |
| 10         | 22.23  | 19.05       | 17.86       | 4.78             | 14.17  | 27.79 | 15.47  | 13.89  | 12.70  | 18.26  | 23.83  | 3.05   | 14.99       | .5625-24               |
| 12         | 25.40  | 22.23       | 21.03       | 7.92             | 17.35  | 27.79 | 15.47  | 13.89  | 12.70  | 20.62  | 26.89  | 3.05   | 19.05       | .6875-24               |
| 14         | 28.58  | 25.40       | 24.81       | 9.53             | 20.52  | 34.14 | 15.47  | 13.89  | 12.70  | 23.01  | 28.58  | 3.05   | 22.23       | .8125-20               |
| 16         | 30.18  | 28.58       | 27.38       | 12.70            | 23.09  | 34.14 | 15.47  | 13.89  | 12.70  | 24.61  | 30.96  | 3.05   | 25.40       | .9375-20               |
| 18         | 36.53  | 31.75       | 30.56       | 15.88            | 26.26  | 34.14 | 15.47  | 13.89  | 12.70  | 26.97  | 33.32  | 3.05   | 28.58       | 1.0625-18              |
| 20         | 36.53  | 34.93       | 33.73       | 15.88            | 29.44  | 34.14 | 15.47  | 13.89  | 12.70  | 29.36  | 36.53  | 3.05   | 31.75       | 1.1875-18              |
| 22         | 41.28  | 38.60       | 36.91       | 19.05            | 32.61  | 37.31 | 15.47  | 13.89  | 12.70  | 31.75  | 39.67  | 3.05   | 34.73       | 1.3125-18              |
| 24         | 43.66  | 41.28       | 40.08       | 20.32            | 35.79  | 37.31 | 17.48  | 13.89  | 12.70  | 34.93  | 42.88  | 3.05   | 38.10       | 1.4375-18              |

All dimensions for reference only

# JTPQ00R BS-C2023 MS27497 HE309 03T PAN 6432-1B

Wall mounting receptacle (back panel mounting)



\* To complete order number see "How to order" pages

\*\* High temperature version, to complete order number see "How to order" pages



| Shell Size | F Dia<br>+.25<br>-.64 | F <sup>1</sup> Dia<br>±.25 | L Max | L <sup>1</sup> Max | N Dia<br>+.03<br>-.13 | P Max<br>Panel<br>Thickness | R (TP) | S<br>±.41 | T Dia<br>±.13 | V Thread<br>UNEF<br>Class 2a<br>(Plated) | AD Dia<br>±.13 | KK Max | KK <sup>1</sup> Dia<br>Max | KK <sup>2</sup> Dia<br>Max | SS Dia<br>+.00<br>-.41 |
|------------|-----------------------|----------------------------|-------|--------------------|-----------------------|-----------------------------|--------|-----------|---------------|------------------------------------------|----------------|--------|----------------------------|----------------------------|------------------------|
| 8          | 3.18                  | 11.28                      | 28.96 | 11.89              | 12.01                 | 3.61                        | 15.09  | 20.62     | 3.05          | .4375-28                                 | 13.11          | 19.84  | 15.88                      | 14.68                      | 14.30                  |
| 10         | 4.78                  | 14.17                      | 28.96 | 11.89              | 14.98                 | 3.61                        | 18.26  | 23.83     | 3.05          | .5625-24                                 | 16.08          | 21.44  | 19.05                      | 17.86                      | 17.27                  |
| 12         | 7.92                  | 17.35                      | 28.96 | 11.89              | 19.05                 | 3.61                        | 20.62  | 26.19     | 3.05          | .6875-24                                 | 20.37          | 24.61  | 22.23                      | 21.03                      | 21.82                  |
| 14         | 9.53                  | 20.52                      | 34.93 | 11.89              | 22.23                 | 3.61                        | 23.01  | 28.58     | 3.05          | .8125-20                                 | 23.55          | 27.79  | 25.40                      | 24.21                      | 24.99                  |
| 16         | 12.70                 | 23.09                      | 34.93 | 11.89              | 25.40                 | 3.61                        | 24.61  | 30.96     | 3.05          | .9375-20                                 | 26.72          | 29.31  | 28.58                      | 27.38                      | 28.14                  |
| 18         | 15.88                 | 26.26                      | 34.93 | 11.89              | 28.58                 | 3.61                        | 26.97  | 33.32     | 3.05          | 1.0625-18                                | 29.90          | 35.71  | 31.75                      | 30.56                      | 31.32                  |
| 20         | 15.88                 | 29.44                      | 34.93 | 11.89              | 31.75                 | 3.61                        | 29.36  | 36.53     | 3.05          | 1.1875-18                                | 33.07          | 35.71  | 34.93                      | 33.73                      | 34.49                  |
| 22         | 19.05                 | 32.61                      | 38.51 | 11.89              | 34.93                 | 3.61                        | 31.75  | 39.67     | 3.05          | 1.3125-18                                | 36.25          | 40.49  | 38.10                      | 36.91                      | 37.67                  |
| 24         | 20.32                 | 35.79                      | 38.10 | 13.72              | 38.10                 | 3.61                        | 34.93  | 42.88     | 3.73          | 1.4375-18                                | 39.42          | 42.88  | 41.28                      | 40.08                      | 40.89                  |

All dimensions for reference only

# JT02R BS-C2251 MS27499

## Box mounting receptacle



- \* JT02RE-...
- \* BS-9520-G0002-C2251-...
- \* MS27499E-...
- \*\* JTS02RE-...
- \*\*\* JTN02RE-...

- \* To complete order number, see "How to order" pages
- \*\* High temperature version
- \*\*\* Clear iridite finish (gold colour), N<sub>2</sub>O<sub>4</sub> resistant



| Shell Size | L Max | KK Max | S ±.41 | R (TP) | T ±.13 | N +.03<br>-.13 |
|------------|-------|--------|--------|--------|--------|----------------|
| 8          | 7.26  | 11.13  | 20.62  | 15.09  | 3.05   | 12.01          |
| 10         | 7.26  | 14.30  | 23.83  | 18.26  | 3.05   | 14.99          |
| 12         | 7.26  | 17.48  | 26.19  | 20.62  | 3.05   | 19.05          |
| 14         | 7.26  | 20.65  | 28.58  | 23.01  | 3.05   | 22.23          |
| 16         | 7.26  | 23.83  | 30.96  | 24.61  | 3.05   | 25.40          |
| 18         | 7.26  | 26.59  | 33.32  | 26.97  | 3.05   | 28.58          |
| 20         | 7.26  | 29.77  | 36.53  | 29.36  | 3.05   | 31.75          |
| 22         | 7.26  | 32.94  | 39.67  | 31.75  | 3.05   | 34.93          |
| 24         | 7.26  | 36.11  | 42.88  | 34.93  | 3.73   | 38.10          |

All dimensions for reference only

Note: For applications requiring an environmental seal, please refer to JT00R

# JTP02R BS-C2253 MS27508E PAN 6433-1E

Box mounting receptacle (back panel mounting)



- \* JTP02RE-XX-XXX
- \* BS-9520-G0002-C2253-...
- \* MS27508E-...
- \* PAN 6433-1E-...
- \*\* JTPN02RE-XX-XX
- \*\*\* JTPS02RE-XX-XXX

- \* To complete order number, see "How to order" pages
- \*\* High temperature version.
- \*\*\* Clear iridite finish (gold colour),  $N_2O_4$  resistant



| Shell Size | N Dia<br>+.03<br>-.13 | R (TP) | S<br>±.41 | L Max | AD Dia<br>±.13 | T Dia<br>±.13 | P Max Panel Thckness | KK Max |
|------------|-----------------------|--------|-----------|-------|----------------|---------------|----------------------|--------|
| 8          | 12.01                 | 15.09  | 20.62     | 5.72  | 13.11          | 3.05          | 3.73                 | 13.49  |
| 10         | 15.00                 | 18.26  | 23.83     | 5.72  | 16.08          | 3.05          | 3.86                 | 16.66  |
| 12         | 19.05                 | 20.62  | 26.19     | 5.72  | 20.37          | 3.05          | 3.86                 | 21.03  |
| 14         | 22.23                 | 23.01  | 28.58     | 5.72  | 23.55          | 3.05          | 3.86                 | 24.21  |
| 16         | 25.40                 | 24.61  | 30.96     | 5.72  | 26.72          | 3.05          | 3.86                 | 27.89  |
| 18         | 28.58                 | 26.97  | 33.32     | 5.72  | 29.90          | 3.05          | 3.86                 | 30.56  |
| 20         | 31.75                 | 29.36  | 36.53     | 5.72  | 33.07          | 3.05          | 4.55                 | 33.73  |
| 22         | 34.93                 | 31.75  | 39.67     | 5.72  | 36.25          | 3.05          | 4.55                 | 36.91  |
| 24         | 38.10                 | 34.93  | 42.88     | 5.72  | 39.42          | 3.73          | 4.29                 | 40.08  |

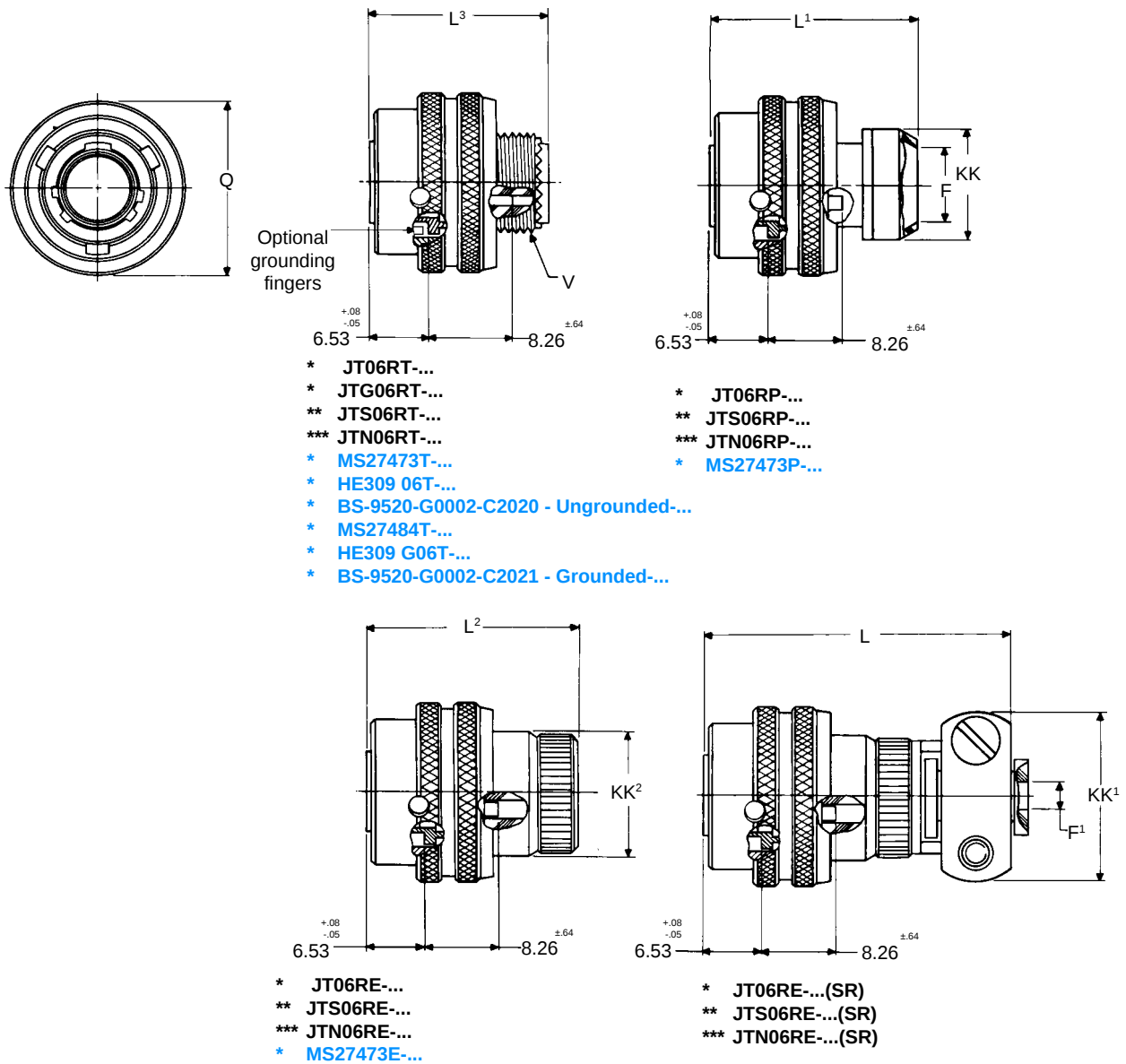
All dimensions for reference only

# JT06R BS-C2020 MS27473 HE309 06T PAN 6433-IF

Ungrounded

# JTG06R BS-C2021 MS27484 HE309 G06T PAN 6433-IFG

Grounded straight plug



\* To complete order number, see "How to order" pages

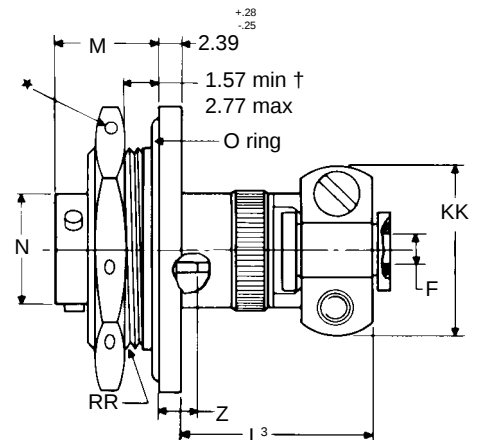
\*\* High temperature version. To complete order number, see "How to order" pages

\*\*\* Clear iridite finish (gold colour), N<sub>2</sub>O<sub>4</sub> resistant. To complete order number, see "How to order" pages

| Shell Size | KK Dia Max | KK <sup>1</sup> Max | KK <sup>2</sup> Max | F Dia | F <sup>1</sup> Dia +.25 - .64 | L Max | L <sup>1</sup> Max | L <sup>2</sup> Max | L <sup>3</sup> Max | Q Dia Max | V Thread Modified |                    |
|------------|------------|---------------------|---------------------|-------|-------------------------------|-------|--------------------|--------------------|--------------------|-----------|-------------------|--------------------|
|            |            |                     |                     |       |                               |       |                    |                    |                    |           | Class 2a          | Modified Major Dia |
| 8          | 15.88      | 20.62               | 14.68               | 11.28 | 3.18                          | 39.67 | 25.40              | 23.83              | 22.63              | 18.64     | .4375-28UNEF      | .421- .417         |
| 10         | 19.05      | 22.23               | 17.86               | 14.17 | 4.78                          | 39.67 | 25.40              | 23.83              | 22.63              | 21.44     | .5625-24UNEF      | .542- .538         |
| 12         | 22.23      | 25.40               | 21.03               | 17.35 | 7.92                          | 39.67 | 25.40              | 23.83              | 22.63              | 25.81     | .6875-24UNEF      | .667- .663         |
| 14         | 25.40      | 28.58               | 24.21               | 20.52 | 9.53                          | 46.02 | 25.40              | 23.83              | 22.63              | 28.98     | .8125-20UNEF      | .791- .787         |
| 16         | 28.58      | 30.18               | 27.38               | 23.09 | 12.70                         | 46.02 | 25.40              | 23.83              | 22.63              | 32.13     | .9375-20UNEF      | .916- .912         |
| 18         | 31.75      | 36.53               | 30.56               | 26.26 | 15.88                         | 46.02 | 25.40              | 23.83              | 22.63              | 35.33     | 1.0625-18UNEF     | 1.034 - 1.030      |
| 20         | 34.93      | 36.53               | 33.73               | 29.44 | 15.88                         | 46.02 | 25.40              | 23.83              | 22.63              | 38.10     | 1.1875-18UNEF     | 1.158- 1.154       |
| 22         | 38.10      | 41.28               | 36.91               | 32.61 | 19.05                         | 49.23 | 25.40              | 23.83              | 22.63              | 41.28     | 1.3125-18UNEF     | 1.283- 1.279       |
| 24         | 41.28      | 43.66               | 40.08               | 35.79 | 20.32                         | 49.23 | 26.97              | 23.83              | 22.63              | 44.45     | 1.4375-18UNEF     | 1.408- 1.404       |

# JT07R BS-C2024 MS27474 HE309-07T PAN 6433-1A

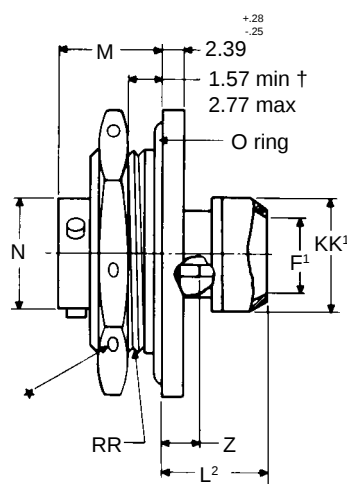
## Jam nut receptacle



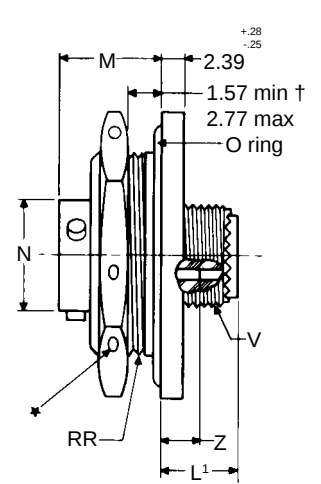
\* JT07RE-...(SR)  
 \*\* JTS07RE-...(SR)  
 \*\*\* JTN07RE-...(SR)



\* JT07RE-...  
 \* MS27474E-...  
 \*\* JTS07RE-...  
 \*\*\* JTN07RE-...



\* JT07RP-...  
 \* MS27474P-...  
 \*\* JTS07RP-...  
 \*\*\* JTN07RP-...



\* JT07RT-...  
 \* MS27474T-...  
 \*\* JTS07RT-...  
 \*\*\* JTN07RT-...  
 \*\*\* BS-9522-G0002-C2024-...  
 \*\*\* HE309-07T-...  
 \*\*\* PAN6433-1A-...

- ★ 1.50 dia min. 3 locking wire holes
- "D" shaped mounting hole dimensions
- \* To complete order number see "How to order" pages
- \*\* High temperature version
- \*\*\* Clear iridite finish (gold colour), N<sub>2</sub>O<sub>4</sub> resistant
- † Panel thickness

| Shell Size | A*<br>+.00<br>-.25 | KK<br>Max | KK¹<br>Dia<br>Max | KK²<br>Dia<br>Max | L<br>Max | L¹<br>Max | L²<br>Max | L³<br>Max | F<br>Dia<br>+.25<br>-.64 | F¹<br>Dia | M<br>±.13 | H<br>Hex<br>+.43<br>-.41 | S<br>±.41 | Z<br>±.79 | RR<br>Thread<br>(Plated)<br>Class 2a | V<br>Thread<br>UNEF<br>Class 2a | C<br>Max | T*<br>+.25<br>-.00 | N<br>+.03<br>-.13 |
|------------|--------------------|-----------|-------------------|-------------------|----------|-----------|-----------|-----------|--------------------------|-----------|-----------|--------------------------|-----------|-----------|--------------------------------------|---------------------------------|----------|--------------------|-------------------|
| 8          | 21.08              | 20.62     | 15.88             | 14.68             | 12.29    | 11.51     | 14.30     | 26.59     | 3.18                     | 11.28     | 11.13     | 26.97                    | 31.75     | 3.66      | .8750-20UNEF                         | .4375-28                        | 35.31    | 22.45              | 12.01             |
| 10         | 24.26              | 22.23     | 19.05             | 17.86             | 12.29    | 11.51     | 14.30     | 26.59     | 4.78                     | 14.17     | 11.13     | 30.18                    | 34.93     | 3.66      | 1.0000-20UNEF                        | .5625-24                        | 38.48    | 25.58              | 14.99             |
| 12         | 27.53              | 25.40     | 22.23             | 21.03             | 12.29    | 11.51     | 14.30     | 26.59     | 7.92                     | 17.35     | 11.13     | 33.32                    | 38.10     | 3.66      | 1.1250-18UNEF                        | .6875-24                        | 41.66    | 28.80              | 19.05             |
| 14         | 30.68              | 28.58     | 25.40             | 24.21             | 12.29    | 11.51     | 14.30     | 32.94     | 9.53                     | 20.52     | 11.13     | 36.53                    | 41.28     | 3.66      | 1.2500-18UNEF                        | .8125-20                        | 44.83    | 31.98              | 22.23             |
| 16         | 33.86              | 30.18     | 28.58             | 27.38             | 12.29    | 11.51     | 14.30     | 32.94     | 12.70                    | 23.09     | 11.13     | 39.67                    | 45.24     | 3.66      | 1.3750-18UNEF                        | .9375-20                        | 49.61    | 35.15              | 25.40             |
| 18         | 37.06              | 36.53     | 31.75             | 30.56             | 12.29    | 11.51     | 14.30     | 32.94     | 15.88                    | 26.26     | 11.13     | 42.88                    | 48.01     | 3.66      | 1.5000-18UNEF                        | 1.0625-18                       | 51.59    | 38.28              | 28.58             |
| 20         | 40.03              | 36.53     | 34.93             | 33.73             | 11.51    | 10.72     | 13.49     | 32.16     | 15.88                    | 29.44     | 11.79     | 46.02                    | 51.21     | 4.78      | 1.6250-18UNEF                        | 1.1875-18                       | 54.76    | 41.50              | 31.75             |
| 22         | 43.21              | 41.28     | 38.10             | 36.91             | 11.51    | 10.72     | 13.49     | 35.33     | 19.05                    | 32.61     | 11.79     | 50.80                    | 54.36     | 4.78      | 1.7500-18UNS                         | 1.3125-18                       | 57.91    | 44.68              | 34.93             |
| 24         | 46.38              | 43.66     | 41.28             | 40.08             | 9.53     | 10.72     | 13.47     | 35.33     | 20.32                    | 35.79     | 11.79     | 53.98                    | 57.53     | 4.78      | 1.8750-16UN                          | 1.4375-18                       | 61.09    | 47.85              | 38.10             |

All dimensions for reference only

# JT00 MS27475

## Hermetic wall mounting receptacle



- \* JT00H-...
- \*\* JT00Y-...
- \*\* MS27475Y..D...
- \*\*\* JTS00Y-XX-XXX
- \*\* MS27482Y..E...

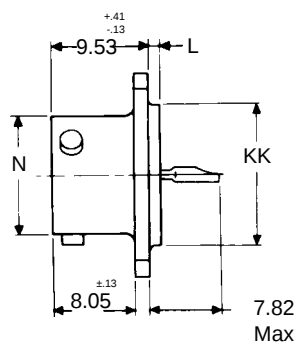
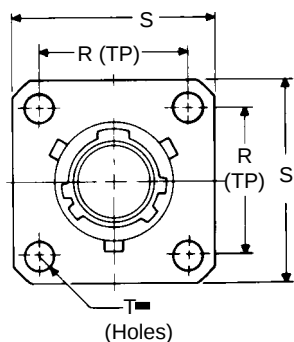
- \* To complete order number, see "How to order" pages
- \*\* Interfacial water seal.
- \*\*\* High temperature version, interfacial water seal with stainless shell.



| Shell Size | N<br>+.03<br>-.13 | S<br>±.41 | R<br>(TP) | T<br>±.13 | V Thread Size<br>Class 2a | L<br>Max |
|------------|-------------------|-----------|-----------|-----------|---------------------------|----------|
| 8          | 12.01             | 20.62     | 15.09     | 3.05      | .5625-24UNEF              | 5.94     |
| 10         | 14.99             | 23.83     | 18.26     | 3.05      | .6875-24UNEF              | 5.94     |
| 12         | 19.05             | 26.19     | 20.62     | 3.05      | .8125-20UNEF              | 5.94     |
| 14         | 22.23             | 28.58     | 23.01     | 3.05      | .9375-20UNEF              | 5.94     |
| 16         | 25.40             | 30.96     | 24.61     | 3.05      | 1.0625-18UNEF             | 5.94     |
| 18         | 28.58             | 33.32     | 26.97     | 3.05      | 1.1875-18UNEF             | 5.94     |
| 20         | 31.75             | 36.53     | 29.35     | 3.05      | 1.3125-18UNEF             | 5.94     |
| 22         | 34.93             | 39.67     | 31.75     | 3.05      | 1.4375-18UNEF             | 5.94     |
| 24         | 38.10             | 42.88     | 34.93     | 3.73      | 1.5625-18UNEF             | 7.95     |

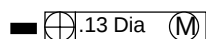
# JT02 MS27476

## Hermetic box mounting receptacle



- \* JT02H-...
- \*\* JT02Y-...
- \*\* MS27476Y..D...
- \*\*\* JTS02Y-...
- \*\*\* MS27476Y..E...

- \* To complete order number, see "How to order" pages
- \*\* Interfacial water seal
- \*\*\* High temperature version. interfacial water seal with stainless steel shell



| Shell Size | L<br>+.15<br>-.38 | KK<br>+.03<br>-.13 | S<br>±.41 | R (TP) | T<br>±.13 | N<br>+.03<br>-.13 |
|------------|-------------------|--------------------|-----------|--------|-----------|-------------------|
| 8          | 1.30              | 14.27              | 20.62     | 15.09  | 3.05      | 12.01             |
| 10         | 1.30              | 17.07              | 23.83     | 18.26  | 3.05      | 14.99             |
| 12         | 1.30              | 19.84              | 26.19     | 20.62  | 3.05      | 19.05             |
| 14         | 1.30              | 23.01              | 28.58     | 23.01  | 3.05      | 22.23             |
| 16         | 1.30              | 26.19              | 30.96     | 24.61  | 3.05      | 25.40             |
| 18         | 1.30              | 29.36              | 33.32     | 26.97  | 3.05      | 28.58             |
| 20         | 1.30              | 31.75              | 36.53     | 29.36  | 3.05      | 31.75             |
| 22         | 2.03              | 34.93              | 39.67     | 31.75  | 3.05      | 34.93             |
| 24         | 2.03              | 38.10              | 42.88     | 34.93  | 3.73      | 38.10             |

All dimensions for reference only

# JT07 MS27477

## Hermetic jam nut receptacle



- \* JT07H-...
- \*\*\* JT07Y-...
- MS27477Y..D...
- \*\*\*\* JTS07Y-...
- MS27483Y..E...

- \* .15 dia. min .3 lockwire holes
- "D" shaped mounting hole dimensions
- \* To complete order number, see "How to order" pages
- \*\* Interfacial seal water
- \*\*\* High temperature version, interfacial seal water with stainless steel shell
- † Panel thickness

| Shell Size | M<br>±.13 | Z<br>Max | RR Thread<br>Class 2a | N<br>+.03<br>-.13 | C<br>Max | S<br>±.41 | H<br>+.43<br>-.41 | T<br>+.25<br>-.00 | A<br>+.00<br>-.25 |
|------------|-----------|----------|-----------------------|-------------------|----------|-----------|-------------------|-------------------|-------------------|
| 8          | 11.13     | 6.20     | .8750-20UNEF          | 12.01             | 35.31    | 31.75     | 26.97             | 22.45             | 21.08             |
| 10         | 11.13     | 6.20     | 1.0000-20UNEF         | 14.99             | 38.48    | 34.93     | 30.18             | 25.58             | 24.26             |
| 12         | 11.13     | 6.20     | 1.1250-18UNEF         | 19.05             | 41.66    | 38.10     | 33.32             | 28.80             | 27.53             |
| 14         | 11.13     | 6.20     | 1.2500-18UNEF         | 22.23             | 44.83    | 41.28     | 36.53             | 31.98             | 30.68             |
| 16         | 11.13     | 6.20     | 1.3750-18UNEF         | 25.40             | 49.61    | 45.24     | 39.67             | 35.15             | 33.86             |
| 18         | 11.13     | 6.20     | 1.5000-18UNEF         | 28.58             | 51.59    | 48.01     | 42.88             | 38.28             | 37.06             |
| 20         | 11.79     | 5.54     | 1.6250-18UNEF         | 31.75             | 54.76    | 51.21     | 46.02             | 41.50             | 40.03             |
| 22         | 11.79     | 5.54     | 1.7500-18UNS          | 34.93             | 57.91    | 54.36     | 50.80             | 44.68             | 43.21             |
| 24         | 11.79     | 5.54     | 1.8750-16UN           | 38.10             | 61.09    | 57.53     | 53.98             | 47.85             | 46.38             |

All dimensions for reference only

# JTI MS27478

## Hermetic solder mounting receptacle



- \* JTIH-...
- \*\* JTIY-...  
MS27478Y..D...
- \*\*\* JTSIY-...  
MS27503Y..E...



- \* To complete order number, see "How to order" pages
- \*\* Interfacial water seal
- \*\*\* High temperature version. interfacial water seal with stainless steel shell

| Shell Size | L<br>+.28<br>-.25 | KK<br>+.03<br>-.13 | GG<br>+.28<br>-.25 | N<br>+.03<br>-.13 |
|------------|-------------------|--------------------|--------------------|-------------------|
| 8          | 1.98              | 14.27              | 17.45              | 12.01             |
| 10         | 1.98              | 17.07              | 20.24              | 14.99             |
| 12         | 1.98              | 19.84              | 23.01              | 19.05             |
| 14         | 1.98              | 23.01              | 26.19              | 22.22             |
| 16         | 1.98              | 26.19              | 29.36              | 25.40             |
| 18         | 1.98              | 29.36              | 32.54              | 28.58             |
| 20         | 1.98              | 31.75              | 34.93              | 31.75             |
| 22         | 2.72              | 34.93              | 38.10              | 34.93             |
| 24         | 2.72              | 38.10              | 41.28              | 38.10             |

All dimensions for reference only

# JT MS25711, MS27353 PAN 6433-IM

## Receptacle protection cap



For MS stamping identification, accessories must be ordered by MS part number. If ordered by 10-part number, they will be stamped with said number.

\* To complete order number, add shell size and suffix number.  
For example, shell size 10 with cadmium plate, nickel base, 10-241800-107, MS27511A10C or MS27353A10.

| Shell Size | A Dia Max | B +.25 -.00 | C Approx |
|------------|-----------|-------------|----------|
| 8          | 18.26     | 22.63       | 76.00    |
| 10         | 21.44     | 25.81       | 76.00    |
| 12         | 25.40     | 28.98       | 89.00    |
| 14         | 28.58     | 32.16       | 89.00    |
| 16         | 31.75     | 35.33       | 89.00    |
| 18         | 34.93     | 38.51       | 89.00    |
| 20         | 38.10     | 41.68       | 102.00   |
| 22         | 41.28     | 44.86       | 102.00   |
| 24         | 44.45     | 48.03       | 102.00   |

| Finish                           | 10-No. Suffix | MS No. Suffix With Chain | MS No. Suffix Without Chain |
|----------------------------------|---------------|--------------------------|-----------------------------|
| Chromate treat                   | -XX0          |                          |                             |
| Anodic coating                   | -XX5          | CXXC                     |                             |
| Cadmium plate nickel base        | -XX7          | AXXC                     | AXX                         |
| Olive Drab, Cadmium, nickel base | -XX9          | BXXC                     | BXX                         |
| Electroless nickel               | -XXG          | FXXC                     | FXX                         |

All dimensions for reference only

# JT MS27501 PAN 6433-IM

## Plug protection cap



- \* 10-241801-XXX
- \* MS27501XXXC
- \* PAN 6433-IMF



For MS stamping identification, accessories must be ordered by MS part number. If ordered by 10-part number, they will be stamped with said number.

\* To complete order number, add shell size and suffix number.  
For example, shell size 10 with cadmium plate, nickel base, 10-241801-107, MS27510A10C or MS27352A10.

| Shell Size | A Dia Max | A <sup>1</sup> Dia Max | B +.00 -.41 | C Approx | N Nia +.03 -.13 |
|------------|-----------|------------------------|-------------|----------|-----------------|
| 8          | 18.26     | 17.86                  | 14.30       | 76.00    | 12.01           |
| 10         | 21.44     | 21.03                  | 17.27       | 76.00    | 14.99           |
| 12         | 25.40     | 24.99                  | 21.82       | 89.00    | 19.05           |
| 14         | 28.58     | 28.17                  | 24.99       | 89.00    | 22.23           |
| 16         | 31.75     | 31.34                  | 28.14       | 89.00    | 25.40           |
| 18         | 34.93     | 34.52                  | 31.32       | 89.00    | 28.58           |
| 20         | 38.10     | 37.69                  | 34.49       | 102.00   | 31.75           |
| 22         | 41.23     | 40.87                  | 37.67       | 102.00   | 34.93           |
| 24         | 44.45     | 44.04                  | 40.89       | 102.00   | 38.10           |

| Finish                           | 10-No. Suffix | MS No. Suffix With Chain | MS No. Suffix Without Chain |
|----------------------------------|---------------|--------------------------|-----------------------------|
| Chromate treat                   | -XX0          |                          |                             |
| Anodic coating                   | -XX5          | CXXC                     | CXX                         |
| Cadmium plate nickel base        | -XX7          | AXXC                     | AXX                         |
| Olive Drab, Cadmium, nickel base | -XX9          | BXXC                     | BXX                         |
| Electroless nickel               | -XXG          | FXXC                     | FXX                         |

All dimensions for reference only

# JT/LJT MS27506 HE309-11

## Cable Clamp



- \* 10-405982-...
- \* MS27506...-2 or M85049/49...
- \* HE309-11-...

\* To complete order number, add shell size and suffix number.  
For example, shell size 10 with cadmium plate, nickel base, 10-405982-107, or M85049/49-2-10W.

| Finish                           | 10-No. Suffix | MS27506 Suffix | M85049/49 Suffix |
|----------------------------------|---------------|----------------|------------------|
| Chromate treat                   | -XX0          |                | NA               |
| Anodic coating                   | -XX5          | CXX-2          | NA               |
| Cadmium plate nickel base        | -XX7          | AXX-2          | NA               |
| Olive Drab, Cadmium, nickel base | -XX9          | BXX-2          | (-2-XXW)         |
| Electroless nickel               | -XXG          | FXX-2          | NA               |

| Shell Size | G Max | L Max | Y Thread (Modified) Size Class 2B | Y Modified Minor Dia | BB Dia +.00 -.28 | Screw Size | B Dia +.25 -.64 |
|------------|-------|-------|-----------------------------------|----------------------|------------------|------------|-----------------|
| 8/9        | 19.69 | 24.99 | .4375-28UNEF                      | .399-.405            | 6.35             | 6-32UNC    | 3.18            |
| 10/11      | 21.26 | 24.99 | .5625-24UNEF                      | .524-.529            | 7.92             | 6-32UNC    | 4.78            |
| 12/13      | 24.46 | 24.99 | .6875-24UNEF                      | .649-.654            | 11.13            | 6-32UNC    | 7.92            |
| 14/15      | 27.61 | 31.34 | .8125-20UNEF                      | .766-.771            | 14.27            | 6-32UNC    | 9.53            |
| 16/17      | 29.21 | 31.34 | .9375-20UNEF                      | .891-.896            | 15.88            | 6-32UNC    | 12.70           |
| 18/19      | 35.56 | 31.34 | 1.0625-18UNEF                     | 1.002-1.007          | 19.05            | 8-32UNC    | 15.88           |
| 20/21      | 35.56 | 31.34 | 1.1875-18UNEF                     | 1.135-1.140          | 19.05            | 8-32UNC    | 15.88           |
| 22/23      | 40.31 | 34.52 | 1.3125-18UNEF                     | 1.252-1.257          | 23.83            | 8-32UNC    | 19.05           |
| 24/25      | 42.70 | 34.52 | 1.4375-18UNEF                     | 1.377-1.382          | 25.40            | 8-32UNC    | 20.32           |

All dimensions for reference only

# SJT00RT JN1003-B PAN 6433-2B VG96912-A

## Wall mounting receptacle



- \* SJT00RT-...
- \* JN1003-B...
- \* PAN6433-2B...
- \* VG96912-A...

\* To complete order number, see "how to order" page  
 \*\* Standard wall mount may be back panel mounted where panel thickness does not exceed these dimensions. For thicker panel applications, SJTP00RT should be used



| Shell Size | L Max | M +.00<br>-.01 | R (TP) | S ±.04 | T ±.01 | VThread Modified       |                    | N +.00<br>-.01 | P** Max |
|------------|-------|----------------|--------|--------|--------|------------------------|--------------------|----------------|---------|
|            |       |                |        |        |        | Class 2A UNEF (Plated) | Modified Major Dia |                |         |
| 8          | 12.70 | 16.05          | 15.09  | 20.62  | 3.05   | .4375-28               | .421-.417          | 12.61          | 2.92    |
| 10         | 12.70 | 16.05          | 18.26  | 23.82  | 3.05   | .5625-24               | .542-.538          | 14.99          | 2.92    |
| 12         | 12.70 | 16.05          | 20.62  | 26.19  | 3.05   | .6875-24               | .667-.663          | 19.65          | 2.92    |
| 14         | 12.70 | 16.05          | 23.01  | 28.57  | 3.05   | .8125-20               | .791-.787          | 22.22          | 2.92    |
| 16         | 12.70 | 16.05          | 24.61  | 30.96  | 3.05   | .9375-20               | .916-.912          | 25.40          | 2.92    |
| 18         | 12.70 | 16.05          | 26.97  | 33.32  | 3.05   | 1.0625-18              | 1.034-1.030        | 28.57          | 2.92    |
| 20         | 12.70 | 15.29          | 29.36  | 36.52  | 3.05   | 1.1875-18              | 1.158-1.154        | 31.75          | 2.21    |
| 22         | 12.70 | 15.29          | 31.75  | 39.67  | 3.05   | 1.3125-18              | 1.283-1.279        | 34.92          | 2.21    |
| 24         | 13.97 | 15.29          | 34.92  | 42.87  | 3.73   | 1.4375-18              | 1.408-1.404        | 38.10          | 1.39    |

All dimensions for reference only

# SJTP02RE

## Box mounting receptacle (back panel mounting)



\* SJTP02RE-...

\* To complete order number, see "how to order" page

0.01 Dia (M)

| Shell Size | F<br>+0.00<br>-0.01 | K<br>+0.01<br>-0.00 | M<br>+0.00<br>-0.01 | R (TP) | S<br>+0.03<br>-0.02 | T<br>±0.01 | Z<br>±0.08 | P Dia<br>+0.00<br>-0.01 | KK Dia<br>+0.01<br>-0.00 | G Max |
|------------|---------------------|---------------------|---------------------|--------|---------------------|------------|------------|-------------------------|--------------------------|-------|
| 8          | 15.47               | 24.00               | 21.84               | 15.09  | 20.62               | 3.05       | 1.57       | 13.11                   | 10.59                    | 8.76  |
| 10         | 15.47               | 24.00               | 21.84               | 18.26  | 23.82               | 3.05       | 1.57       | 16.08                   | 13.66                    | 8.76  |
| 12         | 15.47               | 24.00               | 21.84               | 20.62  | 26.18               | 3.05       | 1.57       | 20.37                   | 16.84                    | 8.76  |
| 14         | 15.47               | 24.00               | 21.84               | 23.01  | 28.57               | 3.05       | 1.57       | 23.54                   | 19.99                    | 8.76  |
| 16         | 15.47               | 24.00               | 21.84               | 24.61  | 30.96               | 3.05       | 1.57       | 26.72                   | 23.16                    | 8.76  |
| 18         | 15.47               | 24.00               | 21.84               | 26.97  | 33.32               | 3.05       | 1.57       | 29.89                   | 26.16                    | 8.76  |
| 20         | 15.47               | 24.00               | 21.84               | 29.36  | 36.52               | 3.05       | 1.57       | 33.07                   | 29.31                    | 8.76  |
| 22         | 15.47               | 24.00               | 21.84               | 31.75  | 39.67               | 3.05       | 1.57       | 36.24                   | 32.49                    | 8.76  |
| 24         | 19.05               | 27.56               | 25.40               | 34.92  | 42.87               | 3.73       | 1.98       | 39.42                   | 35.66                    | 11.48 |

All dimensions for reference only

# JN1003-H SJT02RE



\* JN1003H ...

\* To complete order number, see "how to order" page



| Shell Size | A<br>±0.40 | B<br>±0.13 | C<br>+0.10 | D<br>+0.00<br>-0.13 | E<br>+0.15<br>-0.00 | F<br>+0.00<br>-0.13 | G<br>Max | H<br>Max | P<br>Max |
|------------|------------|------------|------------|---------------------|---------------------|---------------------|----------|----------|----------|
| 8          | 20.62      | 15.10      | 3.20       | 12.00               | 18.21               | 16.05               | 27.65    | 11.91    | 3.00     |
| 10         | 23.83      | 18.30      | 3.20       | 15.00               | 18.21               | 16.05               | 27.65    | 15.09    | 3.00     |
| 12         | 26.19      | 20.60      | 3.20       | 19.05               | 18.21               | 16.05               | 27.65    | 18.26    | 3.00     |
| 14         | 28.57      | 23.00      | 3.20       | 22.22               | 18.21               | 16.05               | 27.65    | 21.44    | 3.00     |
| 16         | 30.96      | 24.60      | 3.20       | 25.40               | 18.21               | 16.05               | 27.65    | 24.61    | 3.00     |
| 18         | 33.32      | 27.00      | 3.20       | 28.57               | 18.21               | 16.05               | 27.65    | 27.38    | 3.00     |
| 20         | 36.53      | 29.40      | 3.20       | 31.75               | 18.21               | 15.29               | 27.65    | 30.56    | 3.00     |
| 22         | 39.67      | 31.80      | 3.20       | 34.92               | 18.21               | 15.29               | 27.65    | 33.73    | 3.00     |
| 24         | 42.90      | 34.90      | 3.70       | 38.10               | 18.21               | 15.29               | 28.72    | 36.91    | 2.26     |

All dimensions for reference only

□ Designates true position dimensioning

# SJT06RT/SJTG06RT JN1003-FG

## PAN 6433-2F, PAN 6433-2FG VG96912-D, VG96912-E

Straight plug / Straight plug (with grounding fingers)



- \* SJT06RT-
- \* PAN6433-2F...
- \* VG96912-E...



View D enlarged for  
size 8 coaxial use only

- \* SJTG06RT-
- \* PAN6433-2FG....
- \* VG96912-D....
- \* JN1003FG....

\* To complete order number, see "how to order" page

| Shell size | L<br>Max | Q<br>Dia Max | V Thread                  |                        |
|------------|----------|--------------|---------------------------|------------------------|
|            |          |              | Class 2a<br>UNEF (Plated) | Modified<br>Major Dia. |
| 8          | 30.96    | 18.64        | .4375-28                  | 10.69 - 10.59          |
| 10         | 30.96    | 21.44        | .5625-24                  | 13.77- 13.67           |
| 12         | 30.96    | 25.81        | .6875-24                  | 16.94 - 16.84          |
| 14         | 30.96    | 28.98        | .8125-20                  | 20.09 - 19.99          |
| 16         | 30.96    | 32.13        | .9375-20                  | 22.27 - 23.16          |
| 18         | 30.96    | 35.33        | 1.0625-18                 | 26.26 - 26.16          |
| 20         | 30.96    | 38.10        | 1.1875-18                 | 29.41 - 29.31          |
| 22         | 30.96    | 41.28        | 1.3125-18                 | 32.59 - 32.49          |
| 24         | 31.95    | 44.45        | 1.4375-18                 | 35.76 - 35.66          |

All dimensions for reference only

# SJT07RT JN1003-A PAN 6433-2A VG96912-B

## Jam nut receptacle



- \* SJT07RT...
- \* PAN 6433-2A...
- \* VG96912-B...
- \* JN 1003A

- "D" shaped panel cut-out dimensions
- \* To complete order number, see "how to order" page
- \*\* Oversize threads. Check accessory threads before ordering

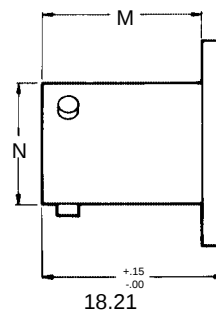
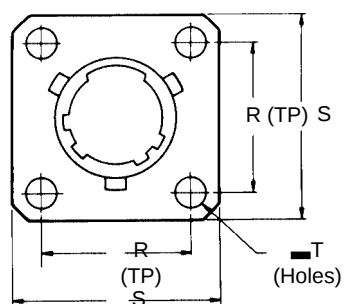


| Shell Size | A*<br>+.00<br>-.25 | H Hex<br>+.43<br>-.41 | S<br>±.41 | V Thread<br>Class 2a<br>UNEF (Plated) | R Thread<br>Class 2a<br>UNEF (Plated) | N<br>+.02<br>-.05 | C<br>Max | T*<br>+.25<br>-.00 |
|------------|--------------------|-----------------------|-----------|---------------------------------------|---------------------------------------|-------------------|----------|--------------------|
| 8          | 13.77              | 19.05                 | 23.82     | .5625-24                              | .5625-24                              | 18.01             | 27.38    | 14.52              |
| 10         | 16.92              | 22.22                 | 26.97     | .6875-24                              | .6875-24                              | 14.99             | 30.56    | 17.70              |
| 12         | 21.08              | 26.97                 | 31.75     | .8125-20                              | .8750-20                              | 19.05             | 35.33    | 22.45              |
| 14         | 24.26              | 30.17                 | 34.92     | .9375-20                              | 1.0000-20                             | 22.22             | 38.48    | 25.58              |
| 16         | 27.53              | 33.32                 | 38.10     | 1.0625-18                             | 1.1250-18                             | 25.40             | 41.68    | 28.80              |
| 18         | 30.68              | 36.52                 | 41.27     | 1.1875-18                             | 1.2500-18                             | 28.57             | 44.86    | 31.98              |
| 20         | 33.86              | 39.67                 | 46.02     | 1.3125018                             | 1.3750-18                             | 31.75             | 49.61    | 35.15              |
| 22         | 37.06              | 42.87                 | 49.22     | 1.4375-18                             | 1.5000-18                             | 34.92             | 52.78    | 38.28              |
| 24         | 46.13              | 46.62                 | 52.37     | 1.43775-18                            | 1.6250-18                             | 38.10             | 55.96    | 41.50              |

All dimensions for reference only

# SJT JN1003-R VG 96912-W

## Dummy receptacle

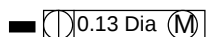


\* 10-476807-XXX

\* JN1003R-XX

\* To complete order number, add shell size and suffix number.  
For example, shell size 10 with bright cadmium plated nickel base, 10-476807-107.

| Finish                           | Suffix |
|----------------------------------|--------|
| Chromate treat                   | -XX0   |
| Anodic coating                   | -XX5   |
| Cadmium plate nickel base        | -XX7   |
| Olive Drab, Cadmium, nickel base | -XX9   |
| Electroless nickel               | -XXG   |

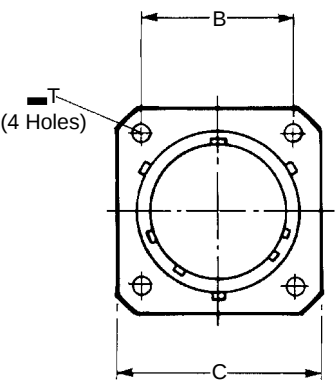


| Shell Size | M<br>+.00<br>-.13 | N<br>+.00<br>-.01 | R<br>(TP) | S<br>+.03<br>-.02 | T<br>±.01 |
|------------|-------------------|-------------------|-----------|-------------------|-----------|
| 8          | 16.05             | 12.01             | 15.09     | 20.62             | 3.05      |
| 10         | 16.05             | 14.99             | 18.26     | 23.82             | 3.05      |
| 12         | 16.05             | 19.05             | 20.62     | 26.18             | 3.05      |
| 14         | 16.05             | 22.22             | 23.01     | 28.57             | 3.05      |
| 16         | 16.05             | 25.40             | 24.61     | 30.96             | 3.05      |
| 18         | 16.05             | 28.57             | 26.97     | 33.32             | 3.05      |
| 20         | 15.29             | 31.75             | 29.36     | 36.52             | 3.05      |
| 22         | 15.29             | 34.92             | 31.75     | 39.67             | 3.05      |
| 24         | 15.29             | 38.10             | 34.92     | 42.87             | 3.73      |

All dimensions for reference only

# SJTB JN1003-J

## Though Bulkhead



SJTB ...  
JN1003J ...



Complete part number by adding size and planform  
ie: SJTB24-35PS(014)



| Shell Size | A<br>+.00<br>-.13 | B<br>±.13 | C<br>±.40 | D<br>+.00<br>-.13 | D²<br>+.10<br>-.0 | P<br>Max |
|------------|-------------------|-----------|-----------|-------------------|-------------------|----------|
| 8          | 12.00             | 15.10     | 20.62     | 16.05             | 3.20              | 3.00     |
| 10         | 15.00             | 18.30     | 23.83     | 16.05             | 3.20              | 3.00     |
| 12         | 19.05             | 20.60     | 26.19     | 16.05             | 3.20              | 3.00     |
| 14         | 22.22             | 23.00     | 28.57     | 16.05             | 3.20              | 3.00     |
| 16         | 25.40             | 24.60     | 30.96     | 16.05             | 3.20              | 3.00     |
| 18         | 28.57             | 27.00     | 33.32     | 16.05             | 3.20              | 3.00     |
| 20         | 31.75             | 29.40     | 36.53     | 15.29             | 3.20              | 3.00     |
| 22         | 34.92             | 31.80     | 39.67     | 15.29             | 3.20              | 3.00     |
| 24         | 38.10             | 34.90     | 42.90     | 15.29             | 3.70              | 2.26     |

# SJT1Y JN1003-E - Hermetic Solder mounting receptacle



\* SJT1Y- ...

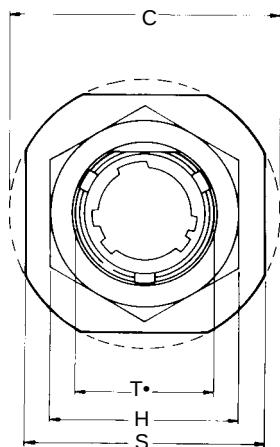


\* To complete order number, see "how to order" pages

| Shell Size | L<br>+0.28<br>-0.00 | M<br>+0.15<br>-0.13 | G Dia<br>+0.28<br>-0.25 | K Dia<br>+0.02<br>-0.13 | N<br>+0.02<br>-0.13 |
|------------|---------------------|---------------------|-------------------------|-------------------------|---------------------|
| 8          | 20.04               | 3.17                | 17.44                   | 14.27                   | 12.01               |
| 10         | 20.04               | 3.17                | 20.24                   | 17.07                   | 14.38               |
| 12         | 20.04               | 3.17                | 23.01                   | 19.83                   | 19.05               |
| 14         | 20.04               | 3.17                | 26.18                   | 23.01                   | 22.22               |
| 16         | 20.04               | 3.17                | 29.36                   | 26.18                   | 25.40               |
| 18         | 20.04               | 3.17                | 32.53                   | 29.36                   | 28.57               |
| 20         | 20.04               | 3.17                | 34.92                   | 31.75                   | 31.75               |
| 22         | 20.86               | 3.96                | 38.10                   | 34.92                   | 34.92               |
| 24         | 20.85               | 3.96                | 41.27                   | 38.10                   | 38.10               |

# SJT07Y - Hermetic

## Jam nut receptacle



\* SJT07Y- ...

- "D" shaped panel cut-out dimensions
- \* To complete order number, see "how to order" pages

| Shell Size | N<br>+.00<br>-.01 | C<br>Max | A•<br>+.00<br>-.02 | L<br>Max | H<br>Hex<br>+.04<br>-.04 | S<br>±.04 | KK<br>+.03<br>-.00 | RR<br>Thread<br>Class 2a<br>Threaded | T•<br>+.02<br>-.00 |
|------------|-------------------|----------|--------------------|----------|--------------------------|-----------|--------------------|--------------------------------------|--------------------|
| 8          | 12.01             | 27.38    | 13.77              | 7.54     | 19.03                    | 23.82     | 16.31              | .5625-24                             | 14.52              |
| 10         | 14.99             | 30.56    | 16.992             | 7.54     | 22.22                    | 26.97     | 19.45              | .6875-24                             | 17.70              |
| 12         | 14.05             | 35.33    | 21.08              | 7.54     | 26.97                    | 31.75     | 22.66              | .8750-20                             | 22.45              |
| 14         | 22.22             | 38.48    | 24.26              | 7.54     | 30.17                    | 34.92     | 25.86              | 1.0000-20                            | 25.50              |
| 16         | 25.40             | 41.68    | 27.53              | 7.54     | 33.32                    | 38.10     | 29.01              | 1.1250-18                            | 28.80              |
| 18         | 28.57             | 44.86    | 30.68              | 8.33     | 36.52                    | 41.27     | 32.21              | 1.2500-18                            | 31.98              |
| 20         | 31.75             | 49.61    | 33.86              | 8.33     | 39.67                    | 46.02     | 35.36              | 1.3750-18                            | 35.15              |
| 22         | 34.92             | 52.78    | 37.06              | 8.33     | 44.87                    | 49.22     | 38.56              | 1.5000-18                            | 38.27              |
| 24         | 38.10             | 55.96    | 40.13              | 8.33     | 46.02                    | 52.37     | 41.77              | 1.6250-18                            | 41.50              |

# SJT - Accessories

## Cable Clamp



\* 10-476808-XXX

\* To complete order number, add shell size and suffix number.  
For example, shell size 10 with cadmium plate, nickel base, 10-476808-107.

| Finish                           | 10-No. Suffix |
|----------------------------------|---------------|
| Chromate treat                   | -XX0          |
| Anodic coating                   | -XX5          |
| Cadmium plate nickel base        | -XX7          |
| Olive Drab, Cadmium, nickel base | -XX9          |
| Electroless nickel               | -XXG          |

| Shell Size | A Dia<br>+.02<br>-.06 | B Dia<br>+.00<br>-.03 | L Max | Y Thread<br>Class 2B<br>UNEF (Plated) | GG Max |
|------------|-----------------------|-----------------------|-------|---------------------------------------|--------|
| 8          | 3.17                  | 6.35                  | 23.42 | .4375-28                              | 19.68  |
| 10         | 4.77                  | 7.92                  | 23.42 | .5625-24                              | 20.09  |
| 12         | 7.92                  | 11.12                 | 23.42 | .6875-24                              | 24.46  |
| 14         | 9.52                  | 14.27                 | 29.76 | .8125-20                              | 27.60  |
| 16         | 12.70                 | 15.89                 | 29.76 | .9375-20                              | 29.31  |
| 18         | 15.87                 | 19.05                 | 29.76 | 1.0625-18                             | 35.54  |
| 20         | 15.87                 | 19.05                 | 29.76 | 1.1875-18                             | 35.54  |
| 22         | 19.03                 | 23.82                 | 32.94 | 1.3125-18                             | 40.31  |
| 24         | 20.32                 | 25.54                 | 32.94 | 1.4375-18                             | 42.69  |

All dimensions for reference only

# SJT - Accessories Receptacle protection cap

Cover, connector receptacle electrical -

JN1003-MB PAN 6433-2MB, PAN 6433-2MA



\* JN1003 MA  
\* PAN6433-2MA  
\* 10-432984-XXX

| Finish                           | Suffix |
|----------------------------------|--------|
| Chromate treat                   | -XX0   |
| Anodic coating                   | -XX5   |
| Cadmium plate nickel base        | -XX7   |
| Olive Drab, Cadmium, nickel base | -XX9   |
| Electroless nickel               | -XXG   |

| Shell Size | A Dia Max | B Dia Max | L Max | E Min |
|------------|-----------|-----------|-------|-------|
| 8          | 19        | 16.28     | 21.03 | 69.85 |
| 10         | 22        | 19.46     | 21.03 | 69.85 |
| 12         | 26        | 22.63     | 21.03 | 82.55 |
| 14         | 29        | 25.81     | 21.03 | 82.55 |
| 16         | 33        | 28.98     | 21.03 | 82.55 |
| 18         | 36        | 32.16     | 21.03 | 82.55 |
| 20         | 39        | 38.63     | 21.03 | 95.25 |
| 22         | 44        | 41.28     | 21.03 | 95.25 |
| 24         | 46        | 41.68     | 21.82 | 95.25 |

All dimensions are for reference only

# SJT - Accessories

## Plug protection cap

Plug protection cap



\*10-476801-XXX



- \* 10-476810-XXX
- \* JN1003MFXX
- \* PAN 6433-2MFXX

\*To complete order number, add shell size and suffix number.  
For example shell size 10 with bright cadmium plated Nickel base, 10-476810-107

| Shell Size | D Dia Max | N Max |
|------------|-----------|-------|
| 8          | 17.48     | 12.01 |
| 10         | 20.63     | 14.99 |
| 12         | 24.61     | 19.05 |
| 14         | 27.79     | 22.23 |
| 16         | 30.96     | 25.40 |
| 18         | 34.14     | 28.58 |
| 20         | 37.31     | 31.75 |
| 22         | 40.49     | 34.93 |
| 24         | 43.66     | 38.10 |

All dimensions for reference only

| Finish                               | 10-No. Suffix |
|--------------------------------------|---------------|
| Bright cadmium plated nickel base    | XX7           |
| Anodic coating (Alumilite)           | XX5           |
| Chromate Treated (Iridite 14-2)      | XX0           |
| Olive drab cadmium plate nickel base | XX9           |
| Electroless nickel coating           | XXG           |

# Thru-Bulkhead Receptacle

For SJTB See Page 51

- For feed through of circuits on bulkhead or panel
- Pin and socket double ended contacts
- Drilled and tapped mounting holes

## TVB Intermates with MIL-C-38999 Series III connectors



TVBK=Electroless nickel TVBW=Olive drab TVBB = Ni Al Bronze  
Example part number: TVBW-25-35PSN(W52)

## LJTB Intermates with MIL-C-38999 Series 1 connectors



Example part number: LJTB-25-35PS(014)(W02)

| Shell size | A     | B     | C1    | C2    | D<br>LJT Max<br>Panel thickness |
|------------|-------|-------|-------|-------|---------------------------------|
| 9          | 18.26 | 23.83 | 15.88 | 14.53 | 5.18                            |
| 11         | 20.62 | 26.19 | 19.05 | 17.78 | 5.18                            |
| 13         | 23.01 | 28.58 | 22.25 | 21.59 | 5.18                            |
| 15         | 24.61 | 30.96 | 27.94 | 24.77 | 5.18                            |
| 17         | 26.97 | 33.32 | 30.15 | 27.94 | 5.18                            |
| 19         | 29.36 | 36.53 | 31.75 | 30.66 | 5.18                            |
| 21         | 31.75 | 39.67 | 34.93 | 33.83 | 5.18                            |
| 23         | 34.93 | 42.88 | 38.10 | 37.01 | 5.18                            |
| 25         | 38.10 | 46.02 | 41.28 | 40.18 | 4.90                            |

## Drilled and tapped mounting holes (W02) deviation

- Eases connector mounting
- Cost effective
- Alleviates the possibility of mounting nuts falling into equipment

Available in all square flange sizes

N.B Flange thickness is increased to 3.05

Example part number LJTP02RE1535PN(W02)



| Shell size | LJT/TV |       |
|------------|--------|-------|
|            | R      | S     |
| 9          | 18.26  | 23.83 |
| 11         | 20.62  | 26.19 |
| 13         | 23.01  | 28.58 |
| 15         | 24.61  | 30.96 |
| 17         | 26.97  | 33.32 |
| 19         | 29.36  | 36.53 |
| 21         | 31.75  | 39.67 |
| 23         | 34.93  | 42.88 |
| 25         | 38.10  | 46.02 |

| Shell size | SJT   |       |
|------------|-------|-------|
|            | R     | S     |
| 8          | 15.09 | 20.62 |
| 10         | 18.26 | 23.80 |
| 12         | 20.62 | 26.19 |
| 14         | 23.01 | 28.55 |
| 16         | 24.61 | 30.96 |
| 18         | 26.97 | 33.30 |
| 20         | 29.36 | 36.53 |
| 22         | 31.75 | 39.67 |
| 24         | 34.93 | 41.35 |

All dimensions for reference only

## Crimp Contacts

| Contact Size | SJT/JT/LJT Pins + TV |                | JT Sockets     |               | SJT/LJT Sockets + TV |               |
|--------------|----------------------|----------------|----------------|---------------|----------------------|---------------|
|              | Proprietary No       | MS Number      | Proprietary No | MS Number     | Proprietary No       | MS Number     |
| 8 (Coax)     | 21-33102-21          | M39029/60-367  | NA             | NA            | 21-33101-21          | M39029/59-366 |
| 8 (Twinax)   | 21-33190-529         | M39029/90-529† | NA             | NA            | 21-33191-530†        | M39029/91-530 |
| 10 (Power)   | 10-251415-105        | M39029/58-528  | NA             | NA            | 10-407035-105        | M39029/56-527 |
| 12           | 10-251415-12H        | M39029/58-365  | 10-251416-125  | M39029/57-359 | 10-407035-125        | M39029/56-353 |
| 16           | 10-251415-165        | M39029/58-364  | 10-251416-165  | M39029/57-358 | 10-407035-165        | M39029/56-352 |
| 20           | 10-251415-205        | M39029/58-363  | 10-497401-205  | M39029/57-357 | 10-497403-205        | M39029/56-351 |
| 22           | 10-251415-225        | M39029/58-362  | 10-251416-225  | M39029/57-356 | 10-407035-225        | M39029/56-350 |
| 22M          | 10-251415-235        | M39029/58-361  | 10-251416-235  | M39029/57-355 | 10-407035-235        | M39029/56-349 |
| 22D          | 10-251415-725        | M39029/58-360  | 10-251416-725  | M39029/57-354 | 10-407035-725        | M39029/56-348 |

† for use with M17/M176-00002 cable.

## Filler Plugs

| Contact Size | Sealing Plugs  |              |
|--------------|----------------|--------------|
|              | Proprietary No | MS Number    |
| 8 (Coax)     | 10-482099-8    | NA           |
| 8 (Twinax)   | 10-405996-8-1  | MS27488-8-1  |
| 10 (Power)   | 10-576225      | NA           |
| 12           | 10-405996-12-1 | MS27488-12-1 |
| 16           | 10-405996-16-1 | MS27488-16-1 |
| 20           | 10-405996-20-1 | MS27488-20-1 |
| 22D          | 10-405996-22-1 | MS27488-22-1 |

## Dummy Contacts

| Dummy Contacts Size |          |
|---------------------|----------|
| 8 Pin               | 418-920P |
| 8 Sockets           | 418-920S |

## Thermocouple Contacts

| Contact Size | Material    | JT/LJT/TV Pins | JT Sockets    | LJT/TV Sockets |
|--------------|-------------|----------------|---------------|----------------|
| 20           | Chromel     | 10-407862-310  | 10-407863-310 | 10-407865-310  |
|              | Alumel      | 10-407862-320  | 10-407863-320 | 10-407865-320  |
|              | Iron        | 10-407862-335  | 10-407863-335 | 10-407865-335  |
|              | Constanstan | 10-407862-342  | 10-407863-342 | 10-407864-342  |

## Premating Contacts

| SJT/LJT/JT/TV | Size 20           | Size 16           | Size 12           |
|---------------|-------------------|-------------------|-------------------|
| Pin Contact   | 418-1038-2000P-02 | 418-1038-1600P-02 | 418-1038-1200P-02 |

## Last Mate Contacts

| SJT/LJT/JT/TV | Size 20           | Size 16           | Size 12           |
|---------------|-------------------|-------------------|-------------------|
| Pin Contact   | 418-1038-2001P-02 | 418-1038-1601P-02 | 418-1038-1201P-02 |

## Heavy Duty Power Contacts

Size 8 Power Contacts rated at 60 amps. LJT, SJT, TV Series only.

8 AWG Cable:  
Pin Contact 900-197  
Socket Contact 900-217

10 AWG Cable:  
Standard Contact plus Reducing Sleeve 900-154

# Crimping Tools

| Contact Size/Type                        | Crimping Tool | Turret Die or Positioner | Contact Size/Type               | Crimping Tool | Turret Die or Positioner |
|------------------------------------------|---------------|--------------------------|---------------------------------|---------------|--------------------------|
| 12 Pin and Socket                        | M22520/1-01   | M22520/1-04              | 8 Coaxial Inner Pin and Socket  | M22520/2-01   | M22520/2-31              |
| 16 Pin and Socket                        | M22520/1-01   | M22520/1-04              | 8 Coaxial Outer Pin and Socket  | M22520/5-01   | M22520/5--05             |
| 20 Pin and Socket                        | M22520/1-01   | M22520/1-04              |                                 | M22520/5-01   | Die Closure B            |
| 22, 22D, 22M Pin                         | M22520/2-01   | M22520/2-10              |                                 | M22520/10-01  | M22520/5-41              |
| 22, 22D, 22M Socket (LJT-R)              | M22520/7-01   | M22520/7-08              |                                 |               | Die Closure B            |
| 22D Socket (JT-R)                        | M22520/2-01   | M22520/2-09              |                                 |               | M22520/10-07             |
| 8 Twinax Centre Pin and Socket           | M22520/7-01   | M22520/7-07              | 16 Coaxial Inner Pin and Socket | M22520/2-01   | Die Closure B            |
| 8 Twinax Intermediate Outer Pin & Socket | M22520/2-01   | M22520/2-07              | 16 Coaxial Outer Pin and Socket | M22520/4-01   | M22520/2-35              |
|                                          |               | M22520/7-05              | 12 Coaxial Inner Pin and Socket | M22520/2-01   | M22520/4-02              |
|                                          |               | M22520/2-06              | 12 Coaxial Outer Pin and Socket | M22520/31-01  | M22520/2-34              |
|                                          |               | M22520/7-06              | 10 (Power)                      | *CONSULT      | M22520/31-02             |
|                                          |               | M22520/2-37              |                                 |               | FACTORY                  |

Where 2 or 3 tools are listed for a contact size, only one tool and its die or positioner are required to crimp the contact. The above crimping tools and positioners are available from the approved tool manufacturer.

## Insertion Tools

| Use With Contact Size | Plastic Tools |                  | Metal Tools    |                         |                         |        |
|-----------------------|---------------|------------------|----------------|-------------------------|-------------------------|--------|
|                       | Part Number   | Colour           | Angle Type     |                         | Straight Type           | Colour |
|                       |               |                  | MS Part Number | Proprietary Part Number | Proprietary Part Number |        |
| 12                    | M81969/14-04  | Yellow / (White) | M81969/8-09    | 11-8674-12              | 11-8794-12              | Yellow |
| 16                    | M81969/14-03  | Blue / (White)   | M81969/8-07    | 11-8674-16              | 11-8794-16              | Blue   |
| 20                    | M81969/14-10  | Red / (Orange)   | M81969/8-05    | 11-8674-20              | 11-8794-20              | Red    |
| 22                    | M81969/14-09  | Brown / (White)  | M81969/8-03    | 11-8674-22              | 11-8794-22              | Brown  |
| 22D, 22M              | M81969/14-01  | Green / (White)  | M81969/8-01    | 11-8674-24              | 11-8794-24              | Black  |
| 8 Coaxial             | None Required |                  |                |                         |                         |        |
| 8 Twinax              | None          |                  | M81969/46-06   | None                    |                         | Red    |

## Removal Tools

| Use With Contact Size | Plastic Tools |                  | Metal Tools                                  |                |                         |                     |                |
|-----------------------|---------------|------------------|----------------------------------------------|----------------|-------------------------|---------------------|----------------|
|                       | Part Number   | Colour Code      | For Unwired Contacts Proprietary Part Number | Angle Type     |                         | Straight Type       | Colour Code    |
|                       |               |                  |                                              | MS Part Number | Proprietary Part Number | Proprietary Part No |                |
| 12                    | M81969/14-04  | (Yellow) / White | 11-10050-11                                  | M81969/8-10    | 11-8675-12              | 11-8795-12          | Yellow / White |
| 16                    | M81969/14-03  | (Blue) / White   | 11-10050-10                                  | M81969/8-08    | 11-8675-16              | 11-8795-16          | Blue / White   |
| 20                    | M81969/14-10  | (Red) / Orange   | 11-10050-9                                   | M81969/8-06    | 11-8675-20              | 11-8795-20          | Red / White    |
| 22                    | M81969/14-09  | (Brown) / White  | 11-10050-8                                   | M81969/8-04    | 11-8675-22              | 11-8795-22          | Brown / White  |
| 22D, 22M              | M81969/14-01  | (Green) / White  | 11-10050-7                                   | M81969/8-02    | 11-8675-24              | 11-8795-24          | Black / White  |
| 8 Coaxial             | M81969/14-12  | Green            | None                                         | None           | 11-9170                 | DRK264-8            | N/A            |
| 8 Twinax              | M81969/14-12  | Green            | None                                         | M81969/46-12   | 11-9170                 | N/A                 | N/A            |

# Low Profile MIL-STD 1760 Breakaway - D38999/31 Style 1 Approved

- Swivel Lanyard
- Moisture / Ice Resistant
- Approved to D38999 / 31 , JN1034, complies with Stanag 3837AA
- Insert arrangement compatible with MIL-STD-1553B databus



Replace 'X' in part number with  
Lanyard length

| Shell size * | A max dia |
|--------------|-----------|
| 11           | 33.02     |
| 13           | 36.02     |
| 15           | 39.52     |
| 17           | 41.00     |
| 19           | 41.00     |
| 23           | 47.42     |
| 25           | 51.00     |

| Lanyard code* | Length ±6mm |
|---------------|-------------|
| D             | 140         |
| E             | 153         |
| F             | 166         |
| G             | 178         |
| H             | 191         |
| K             | 229         |
| M             | 254         |
| J             | 407         |
| X             | 432         |

\* Other sizes available on request

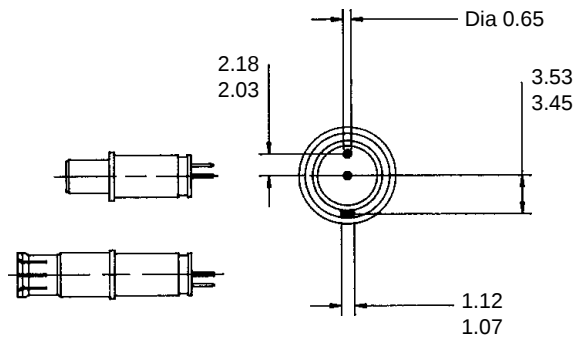
- For MIL-STD-1760 applications only, 25-20 and 25-11 inserts should be used

| Contact size | Under D38999/31                    |               | Socket Contacts<br>Proprietary Number | MS Number     |
|--------------|------------------------------------|---------------|---------------------------------------|---------------|
|              | Pin contacts<br>Proprietary Number | MS Number     |                                       |               |
| 8 (twinax)   | 21-33190-529                       | M39029/90-529 | 21-33191-530                          | M39029/91-530 |
| 10 (power)   | 10-251415-105                      | M39029/58-528 | 10-407035-105                         | M39029/56-527 |
| 12 (coax)    | 21-33122-546                       | M39029/28-211 | 21-33123-546                          | M39029/75-418 |
| 16 (power)   | 10-251415-165                      | M39029/58-364 | 19-407035-165                         | M39029/56-352 |
| 20 (power)   | 10-251415-205                      | M39029/58-363 | 10-497403-205                         | M39029/91-351 |

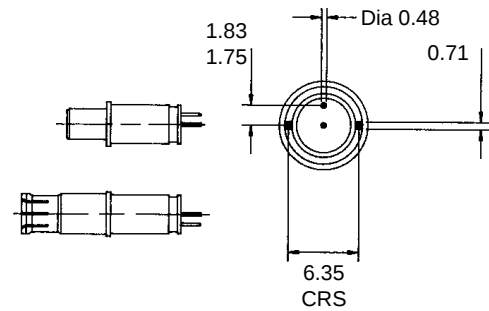
| Contact size | Under TVFBRW 25                    |                 | Under JN1034E                      |                 |
|--------------|------------------------------------|-----------------|------------------------------------|-----------------|
|              | Pin contacts<br>Proprietary Number | Socket Contacts | Pin contacts<br>Proprietary Number | Socket Contacts |
| 8 (twinax)   | 711-1760-1-14                      | 711-1760-2-14   | 711-1760-1-32                      | 711-1760-2-32   |
| 10 (power)   | 10-251415-105                      | 10-407935-105   |                                    |                 |
| 12 (coax)    | 21-33122-546                       | 21-33123-546    | 21-33122-546                       | 21-33123-546    |
| 16 (power)   | 10-251415-165                      | 10-407035-165   | 10-251415-165                      | 10-407035-165   |
| 20 (power)   | 10-251415-205                      | 10-497403-205   | 10-251415-205                      | 10-497403-205   |

Append "L/C" to part number if no contacts are required  
All dimensions are for reference only

# Printed Circuit Board Contacts



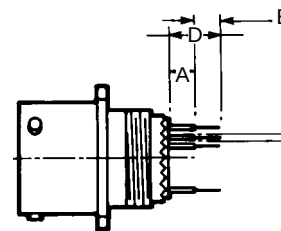
**711GB-0329-1**  
**711GB-0329-2**



**711-1760-1PC**  
**711-1760-2PC**  
**711-1760-3PC**



**418-1440-1200P-IPC**



**418-1608-1600S-1PC**

|                     | TV07 | TV06 | TVP00 | LJT00 | LJT06 | LJTPQ00 | LJT07 #9 | LJT07 #19-25 | LJTP02 LJTO2 | JTPQ00 #8 | JT06 #8 | JT00 #8 | JT07 #8 | JTPQ00 #24 | JT06 #24 | JT07 #24 | JT00 #24 | SJT06 #8 | SJT00 #8 | SJT00 #24 | SJT07 #8-16 | SJT07 #18-24 |
|---------------------|------|------|-------|-------|-------|---------|----------|--------------|--------------|-----------|---------|---------|---------|------------|----------|----------|----------|----------|----------|-----------|-------------|--------------|
| Size 8 Data Bus Pin | B    | D    | D     | D     | D     | D       | D        | D            | D            | D         | D       | D       | D       | D          | D        | D        | D        | D        | D        | D         | D           | D            |
| 711GB-0329-1        | 4,32 | 4,32 | 4,32  | 4,98  | 4,39  | 4,60    | 4,43     | 3,75         | 10,16        | 7,87      | 8,31    | 8,31    | 8,31    | 6,58       | 6,58     | 6,58     | 6,58     | 3,66     | 4,98     | 3,58      | NS          | NS           |
| 711-1760-1PC        | 2,79 | 2,79 | 2,79  | 3,48  | 2,87  | 3,10    | 3,00     | 2,25         | 8,66         | 6,38      | 6,81    | 6,81    | 6,81    | 5,08       | 5,08     | 5,08     | 5,08     | 2,16     | 3,48     | 2,08      | NS          | NS           |

| Size 8 Data Bus Socket | B    | D    | D    | D    | D    | D    | D    | D    | D     | D                  | D | D | D | D | D | D | D | D    | D    | D    | D  | D  |
|------------------------|------|------|------|------|------|------|------|------|-------|--------------------|---|---|---|---|---|---|---|------|------|------|----|----|
| 711GB-0329-2           | 4,10 | 4,10 | 4,10 | 4,78 | 4,17 | 4,39 | 4,24 | 3,75 | 9,96  | TV, LJT & SJT ONLY |   |   |   |   |   |   |   | 3,45 | 4,78 | 3,38 | NS | NS |
| 711-1760-2PC           | 2,59 | 2,59 | 2,59 | 3,28 | 2,67 | 2,90 | 2,74 | 2,25 | 8,46  |                    |   |   |   |   |   |   |   | 1,96 | 3,28 | 1,88 | NS | NS |
| 711-1760-3PC           | 4,76 | 4,76 | 4,76 | 5,44 | 4,83 | 5,05 | 4,90 | 4,41 | 10,62 |                    |   |   |   |   |   |   |   | 4,11 | 5,44 | 4,04 | NS | NS |

| Size 12 Coax Pin   | B    | D    | D    | D    | D    | D    | D    | D    | D    | D    | D    | D    | D    | D    | D    | D    | D    | D    | D    | D    | D  | D  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|
| 418-1440-1200P-1PC | 2,79 | 2,79 | 2,79 | 3,48 | 2,87 | 3,10 | 3,00 | 2,25 | 8,66 | 6,38 | 6,81 | 6,81 | 6,81 | 5,08 | 5,08 | 5,08 | 5,08 | 5,16 | 3,48 | 2,08 | NS | NS |

| Size 16 Coax Socket | B    | D    | D    | D    | D    | D    | D    | D    | D     | D                  | D | D | D | D | D | D | D | D    | D    | D    | D  | D  |
|---------------------|------|------|------|------|------|------|------|------|-------|--------------------|---|---|---|---|---|---|---|------|------|------|----|----|
| 418-1608-1600S-1PC  | 4,48 | 4,47 | 4,47 | 5,16 | 4,55 | 4,78 | 4,62 | 4,13 | 10,34 | TV, LJT & SJT ONLY |   |   |   |   |   |   |   | 3,84 | 5,16 | 3,76 | NS | NS |

All dimensions for reference only

# Coaxial Contacts

| Contacts                          |                               | P/S | Size | Cable                                                              | Crimping Tools                                                                     |                                                                                          |
|-----------------------------------|-------------------------------|-----|------|--------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| LJT/TV/SJT                        | JT                            |     |      |                                                                    | Inner Contact                                                                      | Crimp Ferrule                                                                            |
| 418-840-16001-02<br>M39029/76-424 |                               | P   | 16   | RG179B/U<br>RG174a/U<br>RG188A/U<br>RG316/U<br>RG161/U<br>RG187A/U | MIL-C-22520/2-01<br>with positioner<br>M22520/2-35 or<br>Daniels Positioner<br>K32 | M22520/4-01<br>with positioner<br>M2520/4-02                                             |
| 418-841-16001-02<br>M39029/77-428 | 21-33121-563<br>M39029/78-432 | S   | 16   | Teledyne<br>11299<br>Times<br>(HS-179)<br>AA3248                   | MIL-C-22520/2-01<br>with positioner<br>M22520/2-34 or<br>Daniels Positioner<br>323 | M22520/31-01<br>Positioner<br>M22520/31-02 or<br>Daneels G5200 Tool<br>Positioner G2P330 |
| 418-840-12001-02<br>M39029/28-211 |                               | P   | 12   |                                                                    |                                                                                    |                                                                                          |
| 418-841-12001-02<br>M39029/75-416 | 21-33121-546<br>M39029/27-210 | S   | 12   |                                                                    |                                                                                    |                                                                                          |

Partial Lists - Please see "Coaxial Contacts" catalogue for other contacts available

## Short #8 MIL-STD-1553B Contacts for 1760 Interfaces

Contacts designed to meet the requirements of MIL-C-39029/90A (PIN) and 91A (Socket). For use in aircraft stores management interfaces.

| 711-1760-X-X X                                                                                                            |                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Series Designator</b>                                                                                                  | <b>Variation (Cable accepted)</b><br>1- Raychem EPD 221898 & 10614<br>Grumman GC 875 F24H<br>2- Raychem 10613<br>711 Series - Pan 6421<br>3- McDonnell Douglas<br>SM2022/003<br>4- Tensolite M17/176.00002<br>Raychem 10612<br>5- Rychem 10606<br>6- Raychem EPD 2984A |
| <b>Contact Style</b><br>1=Pin<br>2=Socket                                                                                 |                                                                                                                                                                                                                                                                        |
| <b>Sealing Style</b><br>0=No seal supplied<br>1=1760/heatshrink boot<br>2=38999/cable grommet<br>3=Improved cable grommet |                                                                                                                                                                                                                                                                        |

Contacts are of a four piece weight reduced design and utilises the MIL-Spec tooling listed below-

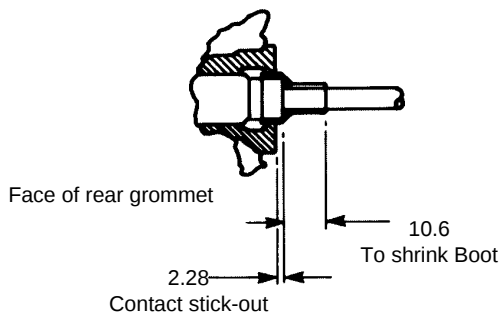
For centre contact crimp - Positioner Part No. 294GB 5049

Hand tool M22520/2-01

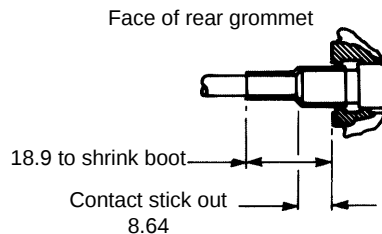
For intermediate & outer Die Part No 294GB 5050

Body crimps Hand tool M22520/5-01

**\*JN1057-X  
711-1760-X-XX  
in situ dimensions**



**M39029/90/91A  
in situ dimensions**

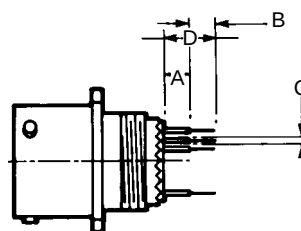


## Printed Circuit Board Contacts

|                   | Tail<br>Dia "C" | Tail<br>Length "B" | TV07/TV06<br>TVP00 | LJT00<br>LJT06 | LJTPQ00 | LJT07<br>#9-15 | LJT07<br>#17-25 | LJT02/JTP02<br>LJTP02/JT02 | JTP000 #8-22<br>JT06 #8-22 | JT00 #8-22<br>JT07 #8-22 | JTP000/JT06 #24<br>JT07/JT00 #24 | SJT06<br>SJT00 #8-22 | SJT00<br>#24 | SJT07<br>#8-16 | SJT07<br>#18-24 |
|-------------------|-----------------|--------------------|--------------------|----------------|---------|----------------|-----------------|----------------------------|----------------------------|--------------------------|----------------------------------|----------------------|--------------|----------------|-----------------|
| Pin size 16       | C               | B                  | A                  | A              | A       | A              | A               | A                          | A                          | A                        | A                                | A                    | A            | A              | A               |
| 418-926-1600P-02  | 1.22            | 2.95               | 5.74               | 6.40           | 6.02    | 5.87           | 5.38            | 11.58                      | 9.32                       | 9.78                     | 8.03                             | 6.40                 | 5.00         | NS             | NS              |
| 418-1086-1600P-02 | 0.99            | 8.64               | 6.71               | 7.37           | 6.99    | 6.83           | 6.35            | 12.55                      | 10.29                      | 10.74                    | 8.97                             | 7.37                 | 5.97         | 1.96           | NS              |
| 418-1229-1600P-02 | 1.22            | 3.99               | 9.58               | 10.24          | 9.86    | 9.70           | 9.22            | 15.42                      | 13.16                      | 13.61                    | 11.86                            | 10.24                | 8.84         | 4.83           | 4.04            |
| 418-926-1602P-02  | 1.14            | 8.00               | 9.80               | 10.46          | 10.08   | 9.93           | 9.45            | 15.65                      | 13.39                      | 13.84                    | 12.09                            | 10.46                | 9.07         | 5.05           | 4.27            |
| Socket size 16    | C               | B                  | A                  | A              | A       | A              | A               | A                          | A                          | A                        | A                                | A                    | A            | A              | A               |
| 418-1086-1600S-02 | 1.04            | 8.64               | 6.73               | 7.39           | 7.01    | 6.86           | 6.35            | 12.57                      | LJT SJT TV only            |                          |                                  | 7.39                 | 5.99         | 1.98           | NS              |

\*Ref to drawing below (Wire Wrap Contacts)

## Wire Wrap Contacts



|                   | Tail<br>Square "C" | Tail<br>Length "B" | TV07/TV06<br>TVP00 | LJT00<br>LJT06 | LJTP000 | LJT07<br>#9-15 | LJT07<br>#17-25 | LJT02/JTP02<br>LJTP02/JT02 | JTP000 #8-22<br>JT06#8-22 | JT00 #8-22<br>JT07 #8-22 | JTP000/JT06 #24<br>JT07/JT00 #24 | SJT06<br>SJT00 #8-22 | SJT00<br>#24 | SJT07<br>#8-16 | SJT07<br>#18-24 |
|-------------------|--------------------|--------------------|--------------------|----------------|---------|----------------|-----------------|----------------------------|---------------------------|--------------------------|----------------------------------|----------------------|--------------|----------------|-----------------|
| Pin #22D          | C                  | B                  | A                  | A              | A       | A              | A               | A                          | A                         | A                        | A                                | A                    | A            | A              | A               |
| 418-982-22001-02  | 0.63               | 11.94              | 6.20               | 6.86           | 6.48    | 6.32           | 5.84            | 12.03                      | 9.78                      | 10.24                    | 8.48                             | 6.86                 | 5.46         | NS             | NS              |
| 418-982-2202P-02  | 0.63               | 15.54              | 15.34              | 16.00          | 15.62   | 15.47          | 14.99           | 21.18                      | 18.92                     | 19.38                    | 17.63                            | 16.00                | 14.60        | 10.59          | 9.80            |
| 418-982-2200P-02  | 0.63               | 12.62              | 17.83              | 18.49          | 18.11   | 17.96          | 17.47           | 22.61                      | 21.41                     | 21.87                    | 20.17                            | 18.49                | 17.09        | 13.08          | 12.29           |
| Socket#22D        | C                  | B                  | A                  | A              | A       | A              | A               | A                          | A                         | A                        | A                                | A                    | A            | A              | A               |
| 418-982-2202S-02  | 0.64               | 15.54              | 15.06              | 15.72          | 15.34   | 15.19          | 14.68           | 20.90                      | LJT only                  |                          |                                  | 15.72                | 14.33        | 10.31          | 9.53            |
| 418-982-2200S-02  | 0.64               | 12.75              | 17.55              | 18.21          | 17.83   | 17.68          | 17.17           | 23.39                      | LJT only                  |                          |                                  | 18.21                | 16.81        | 12.80          | 12.01           |
| Pin#20            | C                  | B                  | A                  | A              | A       | A              | A               | A                          | A                         | A                        | A                                | A                    | A            | A              | A               |
| 418-982-2002P-02  | 0.64               | 15.54              | 15.34              | 16.00          | 15.62   | 15.47          | 24.13           | 21.18                      | 18.92                     | 19.38                    | 17.63                            | 16.00                | 14.61        | 10.59          | 9.80            |
| Socket #20        | C                  | B                  | A                  | A              | A       | A              | A               | A                          | A                         | A                        | A                                | A                    | A            | A              | A               |
| 418-1086-2002S-02 | 0.64               | 15.70              | 15.04              | 15.54          | 15.34   | 15.19          | 14.68           | 20.90                      | LJT only                  |                          |                                  | 15.72                | 14.33        | 10.31          | 9.50            |

All dimensions are nominal, "NS" Designates no stick out, "#" designates shell size  
To ensure grommet sealing - stickout dimensions should be equal to or greater than contact tail length

# Printed Circuit Board Contacts

- Can be supplied fitted or loose
- Standard insert extraction tools
- Gold plating in accordance with MIL-C-39029
- Can be used with Harwin Sockets



|                   | Tail<br>Dia "C" | Tail<br>Length "B" | TV07/TV06<br>TVP00 | LJT00<br>LJT06 | LJT000 | LJT07<br>#9-15 | LJT07<br>#17-25 | LJT02/JTP02<br>LJTP02/JT02 | JTP00/JT06 #8-22 | JT00/JT07#8-22 | JTPQ00/JT06<br>/JT07/JT00# | SJT06<br>SJT00 #8-22 | SJT00<br>#24 | SJT07<br>#8-16 | SJT07<br>#18-24 |
|-------------------|-----------------|--------------------|--------------------|----------------|--------|----------------|-----------------|----------------------------|------------------|----------------|----------------------------|----------------------|--------------|----------------|-----------------|
| Pin size #22D     | C               | B                  | D                  | D              | D      | D              | D               | D                          | D                | D              | D                          | D                    | D            | D              | D               |
| 418-1227-2200P-02 | 0.027           | 0.122              | NS                 | NS             | NS     | NS             | NS              | 0.163                      | 0.073            | 0.091          | NS                         | NS                   | NS           | NS             | NS              |
| 418-923-2200P-02  | 0.024           | 0.158              | NS                 | NS             | NS     | NS             | NS              | 0.217                      | 0.128            | 0.146          | 0.077                      | NS                   | NS           | NS             | NS              |
| 418-818-2200P-02  | 0.028           | 0.157              | 0.062              | 0.088          | 0.073  | 0.067          | NS              | 0.292                      | 0.203            | 0.221          | 0.152                      | 0.088                | NS           | NS             | NS              |
| 418-929-22001-02  | 0.019           | 0.160              | 0.123              | 0.149          | 0.134  | 0.128          | 0.109           | 0.353                      | 0.264            | 0.282          | 0.213                      | 0.149                | 0.094        | NS             | NS              |
| 418-1075-2200P-02 | 0.019           | 0.118              | 0.167              | 0.193          | 0.178  | 0.172          | 0.153           | 0.397                      | 0.308            | 0.326          | 0.266                      | 0.193                | 0.138        | NS             | NS              |
| 418-926-2200P-02  | 0.019           | 0.118              | 0.189              | 0.215          | 0.200  | 0.194          | 0.175           | 0.419                      | 0.330            | 0.348          | 0.279                      | 0.215                | 0.160        | NS             | NS              |
| 418-1228-2200P-02 | 0.015           | 0.138              | 0.233              | 0.259          | 0.244  | 0.238          | 0.219           | 0.463                      | 0.374            | 0.382          | 0.323                      | 0.259                | 0.204        | NS             | NS              |
| 418-1086-2200P-02 | 0.019           | 0.348              | 0.264              | 0.290          | 0.275  | 0.269          | 0.250           | 0.494                      | 0.405            | 0.423          | 0.353                      | 0.290                | 0.235        | 0.077          | NS              |
| 418-926-2201P-02  | 0.019           | 0.276              | 0.346              | 0.373          | 0.376  | 0.352          | 0.333           | 0.577                      | 0.488            | 0.506          | 0.437                      | 0.373                | 0.318        | 0.160          | 0.129           |
| 418-926-2202P-02  | 0.019           | 0.315              | 0.386              | 0.412          | 0.397  | 0.391          | 0.372           | 0.616                      | 0.527            | 0.545          | 0.476                      | 0.412                | 0.357        | 0.199          | 0.168           |
| 418-929-22004     | 0.019           | 0.253              | 0.554              | 0.580          | 0.565  | 0.559          | 0.540           | 0.784                      | 0.695            | 0.713          | 0.644                      | 0.580                | 0.525        | 0.367          | 0.336           |

| Socket size 22D   | C     | B     | D                  | D     | D     | D     | D     | D     | D               | D     | D     | D     | D                  | D     | D  |
|-------------------|-------|-------|--------------------|-------|-------|-------|-------|-------|-----------------|-------|-------|-------|--------------------|-------|----|
| 418-923-2200S-02  | 0.023 | 0.158 | NS                 | NS    | NS    | NS    | NS    | 0.206 | LJT SJT TV only |       |       | NS    | NS                 | NS    | NS |
| 418-1075-2200S-02 | 0.019 | 0.119 | 0.165              | 0.191 | 0.176 | 0.170 | 0.150 | 0.395 | LJT SJT TV only |       |       | 0.191 | 0.136              | NS    | NS |
| 418-926-2200S-02  | 0.019 | 0.118 | 0.178              | 0.204 | 0.189 | 0.183 | 0.164 | 0.408 | LJT SJT TV only |       |       | 0.204 | 0.149              | NS    | NS |
| 418-818-2200S-02  | 0.028 | 0.157 | JT connectors only |       |       |       |       |       | 0.438           | 0.348 | 0.366 | 0.297 | JT connectors only |       |    |
| 418-1077-2200S-02 | 0.027 | 0.290 | 0.241              | 0.267 | 0.252 | 0.246 | 0.226 | 0.471 | LJT SJT TV only |       |       | 0.267 | 0.212              | NS    | NS |
| 418-1086-2200S-02 | 0.019 | 0.340 | 0.265              | 0.291 | 0.276 | 0.270 | 0.250 | 0.495 | LJT SJT TV only |       |       | 0.291 | 0.236              | 0.078 | NS |

| Pin size 20       | C     | B     | D     | D     | D     | D     | D     | D     | D     | D     | D     | D     | D     | D     | D     |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 418-916-2000P-02  | 0.024 | 0.100 | NS    | NS    | NS    | NS    | NS    | 0.230 | 0.141 | 0.159 | 0.090 | NS    | NS    | NS    | NS    |
| 418-1226-2000P-02 | 0.020 | 0.125 | 0.129 | 0.155 | 0.140 | 0.134 | 0.115 | 0.359 | 0.270 | 0.288 | 0.219 | 0.155 | NS    | NS    | NS    |
| 418-926-2000P-02  | 0.048 | 0.116 | 0.226 | 0.252 | 0.237 | 0.231 | 0.212 | 0.456 | 3.670 | 0.385 | 0.316 | 0.232 | 0.197 | NS    | NS    |
| 418-1086-2000P-02 | 0.039 | 0.340 | 0.265 | 0.290 | 2.750 | 0.269 | 0.250 | 0.494 | 0.405 | 0.423 | 0.353 | 0.290 | 0.235 | 0.077 | NS    |
| 418-1205-2000P-02 | 0.028 | 0.196 | 0.309 | 0.333 | 0.320 | 0.314 | 0.295 | 0.539 | 0.450 | 0.468 | 0.399 | 0.330 | 0.280 | 0.122 | 0.091 |
| 418-1229-2000P-02 | 0.048 | 0.157 | 0.377 | 0.403 | 0.388 | 0.382 | 0.363 | 0.607 | 0.518 | 0.536 | 0.467 | 0.403 | 0.348 | 0.19  | 0.159 |
| 418-929-2000P-02  | 0.045 | 0.315 | 0.386 | 0.412 | 3.670 | 0.391 | 0.372 | 0.616 | 5.270 | 0.545 | 0.476 | 0.412 | 0.357 | 0.199 | 0.168 |

| Socket Size 20    | C     | B     | D                  | D     | D     | D     | D     | D     | D               | D     | D     | D     | D                  | D     | D     |
|-------------------|-------|-------|--------------------|-------|-------|-------|-------|-------|-----------------|-------|-------|-------|--------------------|-------|-------|
| 418-818-2000S-02  | 0.028 | 0.157 | JT Connectors only |       |       |       |       |       | 0.174           | 0.084 | 0.102 | NS    | JT Connectors only |       |       |
| 418-1086-1600S-02 | 0.039 | 0.340 | 0.265              | 0.291 | 0.276 | 0.270 | 0.250 | 0.495 | LJT SJT TV only |       |       | 0.291 | 0.236              | 0.078 | NS    |
| 418-1205-2000S-02 | 0.028 | 0.197 | 0.302              | 0.328 | 0.313 | 0.307 | 0.287 | 0.532 | LJT SJT TV only |       |       | 0.328 | 0.273              | 0.115 | 0.084 |

| Pin Size #16      | C     | B     | D     | D     | D     | D     | D     | D     | D     | D     | D     | D     | D     | D     | D     |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 418-926-1600P-02  | 0.048 | 0.116 | 0.226 | 0.252 | 0.237 | 0.231 | 0.212 | 0.456 | 0.367 | 0.385 | 0.316 | 0.252 | 0.197 | NS    | NS    |
| 418-1086-1600P-02 | 0.039 | 0.340 | 0.264 | 0.290 | 0.275 | 0.269 | 0.250 | 0.494 | 0.405 | 0.423 | 0.353 | 0.290 | 0.235 | 0.077 | NS    |
| 418-1229-1600P-02 | 0.048 | 0.157 | 0.377 | 0.403 | 0.388 | 0.382 | 0.363 | 0.607 | 0.518 | 0.536 | 0.467 | 0.403 | 0.348 | 0.19  | 0.159 |
| 418-926-1600P-02  | 0.045 | 0.315 | 0.386 | 4.120 | 0.397 | 0.391 | 0.372 | 0.616 | 0.527 | 0.545 | 0.476 | 0.412 | 0.357 | 0.199 | 0.168 |

| Socket Size #16   | C     | B     | D     | D     | D     | D     | D     | D     | D               | D | D | D     | D     | D     | D  |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|---|---|-------|-------|-------|----|
| 418-1086-1600S-02 | 0.041 | 0.340 | 0.265 | 0.291 | 0.276 | 0.270 | 0.250 | 0.495 | LJT SJT TV only |   |   | 0.291 | 0.236 | 0.078 | NS |

"NS" Designates no stick out. # Designates Shell Size

To ensure grommet sealing - stickout dimensions should be equal to or greater than contact tail length

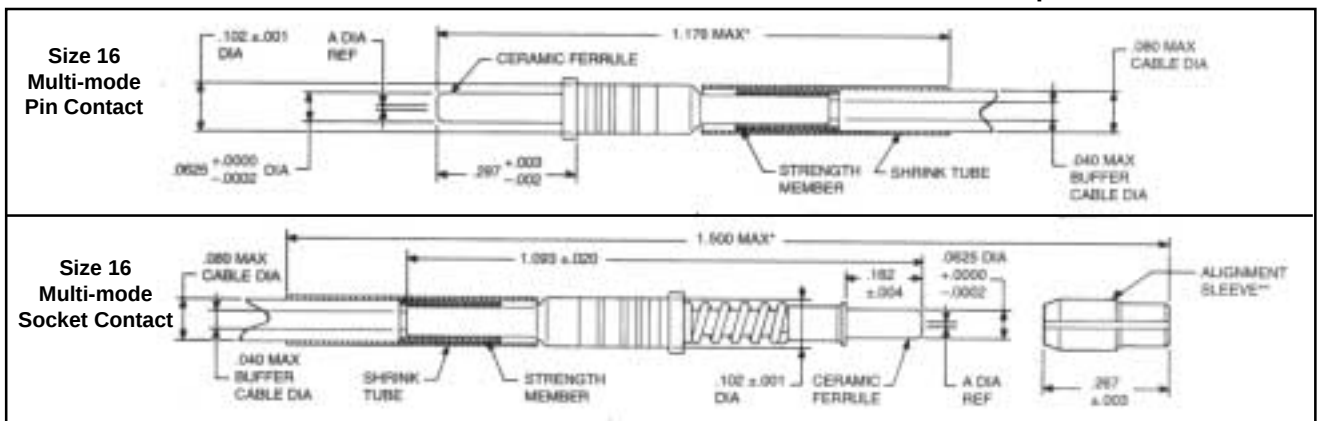
# Multi-mode termini, size 16 for multi-channel cylindrical fibre optic connectors features, how to order

Amphenol® Multi-mod16 Termini  
Features and Performance Levels:

- Ceramic alignment ferrule which precisely positions the fibre within the termini.
- Stainless steel alignment sleeve, assembled on the socket after polishing insures accurate fibre to fibre alignment (a ceramic alignment sleeve is also available).
- Typical insertion loss for 100/140fibre with .2NA at 820nm is .5 to .7 dB using Air Gap (AG) polish  
Use of the ceramic ferrule and sleeve maximises the ability to hold extremely tight dimensional tolerances while maintaining accurate concentricity, thus providing superior and consistent optical loss performance.
- Termination accomplished using the industry proven epoxy/polish method. Can be polished Air Gap (AG)) or Physical Contact (PC).  
Socket cleaning optional. Consult Amphenol, for termini cleaning tool.



Multi-mode Size 16 Fibre Optic Termini



Amphenol® Multi-Channel fibre optic connectors are supplied less contacts. Order multi-mode termini by Amphenol part number designation or MIL-29504 designation as shown in the charts below.

\* Indicated dimension when fully assembled.  
\*\* Alignment sleeve shipped unassembled

| Fibre Size•<br>Core Cladding<br>Dia (Microns) | Size 16 Socket | Size 16 Pin   | A Dia Ref |         |
|-----------------------------------------------|----------------|---------------|-----------|---------|
|                                               |                |               | Inches    | Microns |
| 50/125                                        | CF-198035-010  | CF-198036-010 | .0050     | 127     |
| 62.5/125                                      |                |               |           |         |
| 100/140                                       | CF-198035-017  | CF-198036-017 | .0057     | 145     |
| 100/140/172                                   | CF-198035-029  | CF-198036-029 | .0069     | 175     |
| 100/140/172                                   | CF-198035-29A  | CF-198036-29A | .0068     | 173.5   |
| 200/230                                       | CF-198035-053  | CF-198036-053 | .0093     | 236     |
| 200/240                                       | CF-198035-057  | CF-198036-057 | .0097     | 245     |
| 200/280                                       | CF-198035-074  | CF-198036-074 | .0114     | 290     |
| 200/300                                       | CF-198035-080  | CF-198036-080 | .0120     | 305     |

| M29504<br>Part Number |               | Reference<br>Amphenol Part Number |              |
|-----------------------|---------------|-----------------------------------|--------------|
| Socket                | Pin           | Socket                            | Pin          |
| M29504/5-4046         | M29504/4-4040 | CF-198035-10                      | CF-198036-10 |
|                       |               | CF-198035-17                      |              |
| M29504/5-4050         | M29504/4-4044 |                                   | CF-198036-17 |

• Additional sizes available upon request  
Power contacts can be purchased separately.

# How to order

## LJT 06 RT\*\*-11-35 S A (014)

|                          |             |
|--------------------------|-------------|
| <b>Series Designator</b> | MIL-C-38999 |
| LJT                      | Series I    |
| JT                       | Series II   |
| SJT                      | PAN6433-2   |

|                        |
|------------------------|
| <b>Style See Chart</b> |
|------------------------|

|                                            |
|--------------------------------------------|
| <b>Class</b>                               |
| RE= Box mount receptacles with grommet nut |
| RT= Removable contacts accessory thread    |
| A= Fixed solder contacts                   |
| Y= Hermetic Seal                           |

|                            |
|----------------------------|
| <b>Deviation see chart</b> |
|----------------------------|

|                         |
|-------------------------|
| <b>Alternate Keyway</b> |
| Letters A to D          |

|                      |
|----------------------|
| <b>Contact Style</b> |
| P= Pin contact       |
| S= Socket contact    |

|                           |
|---------------------------|
| <b>Insert Arrangement</b> |
|---------------------------|

|                           |
|---------------------------|
| <b>Shell</b>              |
| LJT odd nos 9 to 25       |
| JT & SJT even nos 8 to 24 |

\* Note: Add S to TV on F class connectors  
 \*\* For Hermetic connectors drop RT and replace with Y

## TV POO R W\*\*-11-35 S A (W02)

|                    |                      |
|--------------------|----------------------|
| <b>Series</b>      | MIL-C-38999 Series 3 |
| CTV                | Composite            |
| (C)TVS=200°C rated |                      |

|                        |
|------------------------|
| <b>Style See Chart</b> |
|------------------------|

|                       |
|-----------------------|
| <b>Contact Class</b>  |
| R= Removable Contacts |
| Y= Hermetic Seal      |

|                             |
|-----------------------------|
| <b>Class</b>                |
| *B= Nickel Aluminium Bronze |
| *F= Electroless Nickel      |
| W= Olive Drab               |
| *K= Fire Wall               |

|                            |
|----------------------------|
| <b>Deviation see chart</b> |
|----------------------------|

|                         |
|-------------------------|
| <b>Alternate Keyway</b> |
| Letters A to E          |

|                      |
|----------------------|
| <b>Contact Style</b> |
| P= Pin contact       |
| S= Socket contact    |

|                           |
|---------------------------|
| <b>Insert Arrangement</b> |
|---------------------------|

|                   |
|-------------------|
| <b>Shell Size</b> |
|-------------------|

\* Note: 200°C rated use "S" in part number  
 \*\* For Hermetic connectors drop RW and replace with Y

## MS27467 T\*\*-11B-35 S A

|                        |
|------------------------|
| <b>Style See Chart</b> |
|------------------------|

|                        |
|------------------------|
| <b>Class</b>           |
| *T= Threaded accessory |
| E= With grommet nut    |
| Y= Hermetic Seal       |

|                           |
|---------------------------|
| <b>Shell Size</b>         |
| Series 1 Odd nos 9 to 25  |
| Series 2 Even Nos 8 to 24 |

|                       |
|-----------------------|
| <b>Finish</b>         |
| A= Clear Chromate     |
| B= Olive drab         |
| F= Electroless nickel |

|                         |
|-------------------------|
| <b>Alternate Keyway</b> |
| Letters A to D          |

|                        |
|------------------------|
| <b>Contact Style</b>   |
| P= Pin contact         |
| S= Socket contact      |
| A= Less pin contact    |
| B= Less socket contact |

|                           |
|---------------------------|
| <b>Insert arrangement</b> |
|---------------------------|

\* Not available in box mount receptacle style  
 \*\* For Hermetic connectors drop T and replace with Y

## D38999 26 W\*\* A 35 S A

|                               |
|-------------------------------|
| <b>MIL-C-38999 Series III</b> |
|-------------------------------|

|                        |
|------------------------|
| <b>Style See Chart</b> |
|------------------------|

|                                 |
|---------------------------------|
| <b>Contact</b>                  |
| W= Olive drab                   |
| F= Electroless nickel           |
| K= Fire Wall                    |
| M= Electroless Nickel Composite |
| J= Olive Drab Composite         |
| Y= Hermetic Seal                |

|                   |
|-------------------|
| <b>Shell Size</b> |
| Letters A to J    |
| A=9 B=11 etc      |

|                         |
|-------------------------|
| <b>Alternate Keyway</b> |
| Letters A to E          |

|                                |
|--------------------------------|
| <b>Contact Style</b>           |
| P= Pin contact                 |
| S= Socket contact              |
| A= Less pin contact            |
| B= Less socket contact         |
| H= 1500 mating pin contacts    |
| J= 1500 mating socket contacts |

|                           |
|---------------------------|
| <b>Insert arrangement</b> |
|---------------------------|

\*\* For Hermetic connectors drop W and replace with Y

| A | B  | C  | D  | E  | F  | G  | H  | J  | MIL Shell Size      |
|---|----|----|----|----|----|----|----|----|---------------------|
| 9 | 11 | 13 | 15 | 17 | 19 | 21 | 23 | 25 | AMPHENOL Shell Size |

### Style Chart Series 1

| Style                      | LJT      | MS Series 1 | BS Series | HE308 |
|----------------------------|----------|-------------|-----------|-------|
| Wall mount receptacle      | 00       | 27466       | C6160     | 00    |
| Back wall mount receptacle | PQ00     | 27656       | C6163     |       |
| Box mount receptacle       | 02       | 27496       | C6162     |       |
| Long box mount receptacle  | 02 (053) | -           | -         |       |
| Jam nut                    | 07       | 27468       | C6167     | 07    |
| Back box receptacle        | P02      | 27505       | C6164     |       |
| Grounded plug              | 06       | 27467       | C6166     | 06    |
| Hermetic Rec. Wall Mount   | 00       | 27469       | -         | -     |
| Hermetic Jam Nut Rec.      | 07       | 27470       | -         | -     |
| Hermetic Solder Mount Rec. | 01       | 27471       | -         | -     |

### Style Chart Series 2

| Style                      | JT       | Pan | BS series 2 | MS series 2 | HE309 |
|----------------------------|----------|-----|-------------|-------------|-------|
| Wall mount receptacle      | 00       | -   | C2022       | 27472       |       |
| Back wall mount receptacle | PQ00     | B   | C2023       | 27497       | 03    |
| Box mount receptacle       | 02       | -   | C2251       | 27499       |       |
| Long box mount receptacle  | 02 (053) | -   | C2552       | 27513       |       |
| Jam nut                    | 07       | A   | C2024       | 27474       | 07    |
| Back box receptacle        | P02      | E   | C2253       | 27508       |       |
| Plug                       | 06       | F   | C2020       | 27473       | 06    |
| Grounded plug              | G06      | FG  | C2021       | 27484       | G06   |
| Hermetic Wall Mount Rec.   | 00       | -   | -           | 27475       | -     |
| Hermetic Box Mount Rec.    | 02       | -   | -           | 27476       | -     |
| Hermetic Solder Mount Rec. | 1Y       | -   | -           | 27478       | -     |
| Hermetic Jam Nut Rec.      | 07       | -   | -           | 27477       | -     |

### Style Chart Series 3

| Style                      | TV      | D38999 | BS Series 3 | JN1034 |
|----------------------------|---------|--------|-------------|--------|
| Back wall mount receptacle | (S) P00 | 20     | C6170       | A      |
| Jam nut                    | (S) 07  | 24     | C6177       | B      |
| Back box receptacle        | (S) P02 | -      | -           | F      |
| Grounded plug              | (S) 06  | 26     | C6176       | C      |
| Lanyard release            | FBR     | 31     | -           | E      |
| Hermetic Box Mount Rec.    | 02Y     | 21     | -           | -      |
| Hermetic Jam Nut Rec.      | 07Y     | 23     | -           | -      |
| Hermetic Solder Mount Rec. | 1Y      | 25     | -           | -      |

### Style Chart Series SJT

| Style                      | SJT | PAN | JN1003 | VG96912 |
|----------------------------|-----|-----|--------|---------|
| Wall mount receptacle      | 00  | -   | -      | -       |
| Back wall mount receptacle | 00  | B   | B      | A       |
| Box mount receptacle       | 02  | -   | -      | -       |
| Jam nut                    | 07  | A   | -      | B       |
| Plug                       | 06  | F   | -      | E       |
| Grounded plug              | G06 | FG  | FG     | D       |
| Hermetic Solder Mount Rec. | 1Y  | -   | E      | C       |
| Hermetic Jam Nut Rec.      | 07Y | -   | -      | -       |

## PAN6433 1 F-10-35 S A

|                                                                    |                                                             |
|--------------------------------------------------------------------|-------------------------------------------------------------|
| <b>Series Designator</b><br>1= MIL-C-38999 Series 2<br>2= LN 29729 | <b>Alternate Keyway</b><br>Letters A to D                   |
| <b>Style See Chart</b>                                             | <b>Contact Style</b><br>P= Pin contact<br>S= Socket contact |
| <b>Shell Size</b><br>Srs 2 & 5 Even nos 8 to 24                    | <b>Insert arrangement</b>                                   |

Note: All PAN6433 Connectors are olive drab plated

## BS 9520G0003 C6176 NW 11 35 F N O

|                                                                                                                    |                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Series Designator</b><br>MIL-C-38999<br>G0001 Series 1<br>G0002 Series 2<br>G0003 Series 3                      | <b>Deviation See Chart Connector</b><br>O= Std on G0001/G0003<br>O= Olive Drab (G0002)<br>2= Electroless Nickel (G0002)<br>1= Olive Drab Zinc Cobalt (G0002) |
| <b>Style See Chart</b>                                                                                             | <b>Alternate Keyway</b><br>Letters A to E                                                                                                                    |
| <b>Finish G0001/G0003</b><br>NF= Electroless Nickel<br>NW= Olive Drab Cadmium<br>NT= Zinc Cobalt<br>Omit for G0002 | <b>Contact Style</b><br>M= Pin contact<br>F= Socket contact                                                                                                  |
| <b>Shell Size</b>                                                                                                  | <b>Insert arrangement</b>                                                                                                                                    |

## SN-WITH CONTACTS

### JN1034AXXXSNL LESS CONTACTS JN1034A-F 10 35 SN1 - WITH CONTACTS

|                                                                   |                                           |
|-------------------------------------------------------------------|-------------------------------------------|
| <b>Series Designator</b><br>JN1003 = SJT<br>JN1034 = TV           | <b>Contact style</b><br>P=Pin<br>S=Socket |
| <b>Style See Chart</b>                                            | <b>Insert Arrangement</b>                 |
| <b>Shell Size</b><br>SJT even numbers 8-24<br>TV odd numbers 9-25 |                                           |

## VG96912-A 10 35 S

|                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| <b>Series Designator</b><br>VG96912=SJT | <b>Contact style</b><br>P=Pin<br>S=Socket |
| <b>Style See Chart</b>                  | <b>Insert Arrangement</b>                 |
| <b>Shell Size</b><br>Even numbers 8-24  |                                           |



L=Letter N=Number  
Eg. CECC 75 201-002 AB35 MCN AOIG  
Free Plug Size 11, 13 Way, Crimp Pin Contacts, Normal Orientation, Including Contacts, Seal Plugs and Tools  
Performance Level 1, Assessment Level G.

## Deviation List

| LJT/JT<br>TV/SJT | Description                                        |
|------------------|----------------------------------------------------|
| * Blank          | Clear Chromate Plating                             |
| *014             | Olive Drab Cadmium Over Electroless Nickel Plating |
| *023             | Electroless Nickel Plating                         |
| *386             | 014 + Cable Clamp                                  |
| *424             | 023 + Cable Clamp                                  |
| L/C              | Less Contacts                                      |
| *SR              | Clear Chromate + Cable Clamp                       |
| W02              | Drilled & Tapped Square Flange                     |
| W03              | Clear Chromate + Heavy Duty Coupling Ring - LJ     |
| W08              | 014 + Heavy Duty Coupling Ring + Less Contacts     |
| W09              | 014 + Heavy Duty Coupling Ring                     |
| W12              | 023+Heavy Duty Coupling Ring - LJ                  |
| W14              | Snatch Plug-LJT/JT                                 |
| W52              | Olive Drab Zinc Cobalt                             |

\* Applicable to LJ and JT part numbers only



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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.