

# YH26482-I CONNECTOR

MIL-DTL-26482-I Style





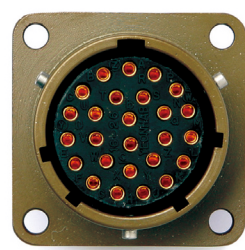
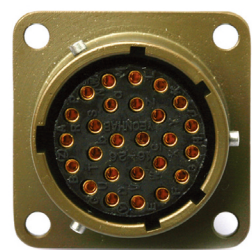
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## Overview

The YH26482-I Connector is the compact connector extensively used in military communications equipment, offering excellent electrical, mechanical, and environmental characteristics. The five distinct guide keys ensure precise and stable coupling. Additionally, the bayonet coupling mechanism enables quick and easy attachment and detachment. As a result, coupling time is minimized and remains unaffected by vibrations. This catalog designates the MS3110 Series Class E connector, which uses a solder-type cable connections, as the standard model.



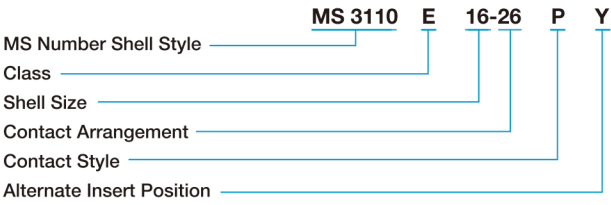
YH26482-I Connector (MIL-DTL-26482-I Style)

ISO9001/ISO14001



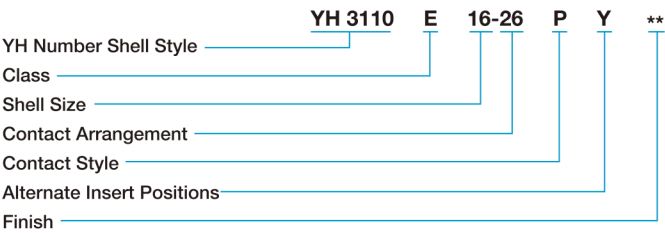
How to order

Military Standard Cross Reference



- **MS Number Shell Style**  
MS3110 - Wall Mounting Receptacle  
MS3111 - Cable Connecting Plug  
MS3112 - Box Mounting Receptacle (Class E Only)  
MS3114 - Jam Nut Receptacle  
MS3116 - Straight Plug  
MS3119 - Thru-Bulkhead Receptacle (Class E Only)
- **Class**  
A - General Duty (not MS Approved)  
E - Grommet seal except on 3112 (MS Specification)  
F - Grommet seal with strain relief (MS Specification)  
P - Potted (MS Specification)
- **Shell Size**  
8, 10, 12, 14, 16, 18, 20, 22, 24
- **Insert Arrangements**  
MIL-STD-1669
- **Contact Style**  
P - Pin  
S - Socket
- **Polarization Positions**  
N (Normal), W, X, Y, Z (MIL-STD-1669)

Yeonhab Nomenclature



- **YH Number Shell Size**  
YH3110 - Wall Mounting Receptacle  
YH3111 - Cable Connecting Plug  
YH3112 - Box Mounting Receptacle (Class E Only)  
YH3114 - Jam Nut Receptacle  
YH3116 - Straight Plug  
YH3119 - Thru-Bulkhead Receptacle (Class E Only)
- **Class**  
A - General Duty  
E - Grommet seal except on 3112  
F - Grommet seal with strain relief  
P - Potted (MS Specification)
- **Shell Size**  
8, 10, 12, 14, 16, 18, 20, 22, 24
- **Insert Arrangements**  
MIL-STD-1669 - see page 18
- **Contact Style**  
P - Pin  
S - Socket
- **Polarization Positions**  
N (Normal), W, X, Y, Z (MIL-STD-1669) - see page 17
- **Finish**  
Blank - Conductive Olive Drab Chromate Over Cadmium or Zinc Plated  
01 - Black Anodized  
02 - Electroless Nickel Plated  
03 - Olive Drab Cadmium  
04 - Zinc Cobalt Plated

Mating Face View



Technical data

Materials & Finishes

| Description      | Materials and Finishes                                                              |
|------------------|-------------------------------------------------------------------------------------|
| Shell            | Aluminum alloy, conductive olive drab chromate over cadmium or Zinc finish QQ-P-416 |
| Insulator        | Polychloroprene                                                                     |
| Grommet and seal | Polychloroprene                                                                     |
| Contacts         | Copper alloy, gold plate per MIL-G-45204 Type II                                    |

Electrical Data

| Wire Range Accommodations |               | Insulation O.D. Limits |      | Contact Rating |            |              |                |
|---------------------------|---------------|------------------------|------|----------------|------------|--------------|----------------|
| contact size              | AWG wire size | Min                    | Max  | contact size   | Rated Amps | Test Current | Millivolt Drop |
| 20                        | 24, 22, 20    | 1.52                   | 2.11 | 20             | 7.5        | 7.5          | 55             |
| 16                        | 20, 18, 16    | 1.68                   | 2.77 | 16             | 22.0       | 13.0         | 49             |
| 12                        | 12, 14        | 2.46                   | 3.61 | 12             | 23.0       | 20.0         | 42             |

Dielectric Withstanding Voltage

| Service Rating | Operating Voltaire. Max. |      | Test Voltaire. AC(rms), 60cps |            |            |             |
|----------------|--------------------------|------|-------------------------------|------------|------------|-------------|
|                | AC(rms)                  | DC   | Sea Level                     | 50,000(ft) | 70,000(ft) | 110,000(ft) |
| I              | 600                      | 850  | 1500                          | 500        | 375        | 200         |
| II             | 1000                     | 1275 | 2300                          | 750        | 500        | 200         |

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55°C ~ +125°C             |
| Insulation Resistance       | 5000MΩ Min. (at 25°C)      |
| Durability                  | 500 cycle, mate and unmate |

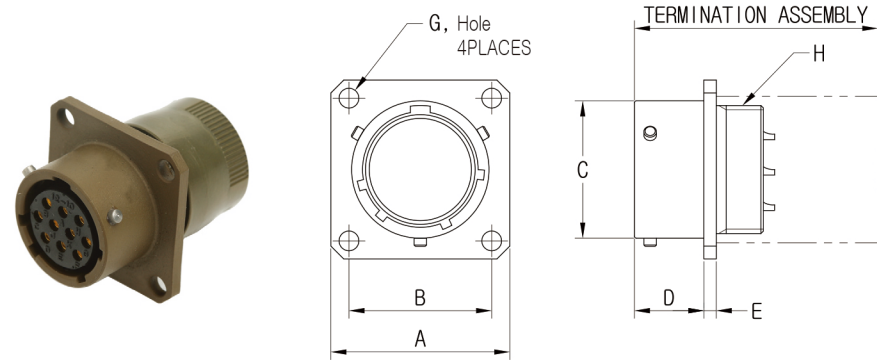


YH26482–I Connector (Soldering Type)

Wall Mounting Receptacle (YH3110)

YH3110 CLASS “A”, “E”, “F”, “P”

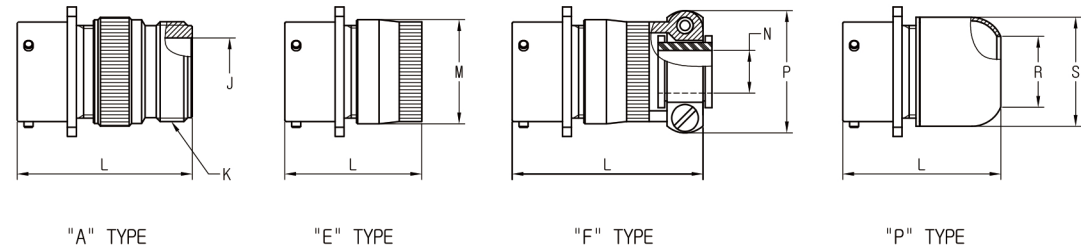
E, F Type - Includes grommet and bushing.



Unit : mm

| Shell Size | A<br>Max. | B<br>±0.10 | C Dia.<br>+0.00<br>-0.15 | D<br>+0.79<br>-0.00 | E<br>±0.41 | G Dia.<br>±0.13 | H Thread.<br>(Class: 2A) |
|------------|-----------|------------|--------------------------|---------------------|------------|-----------------|--------------------------|
| 8          | 21.03     | 15.09      | 12.04                    | 10.95               | 1.57       | 3.05            | 7/16-28UNEF              |
| 10         | 24.23     | 18.26      | 15.01                    | 10.95               | 1.57       | 3.05            | 9/16-24UNEF              |
| 12         | 26.59     | 20.62      | 19.08                    | 10.95               | 1.57       | 3.05            | 11/16-24UNEF             |
| 14         | 28.98     | 23.01      | 22.25                    | 10.95               | 1.57       | 3.05            | 13/16-20UNEF             |
| 16         | 31.34     | 24.61      | 25.43                    | 10.95               | 1.57       | 3.05            | 15/16-20UNEF             |
| 18         | 33.73     | 26.97      | 28.60                    | 10.95               | 1.57       | 3.05            | 1 1/16-18UNEF            |
| 20         | 36.91     | 29.36      | 31.78                    | 14.12               | 2.39       | 3.05            | 1 3/16-18UNEF            |
| 22         | 40.08     | 31.75      | 34.95                    | 14.12               | 2.39       | 3.05            | 1 5/16-18UNEF            |

Termination Assembly



Unit : mm

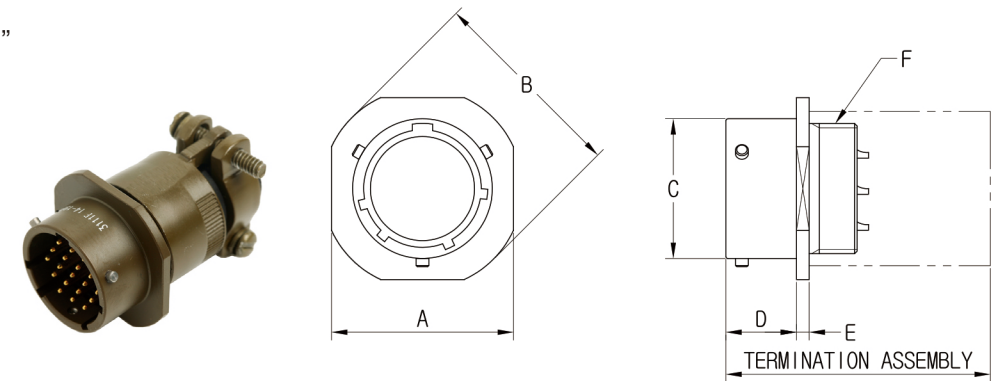
| Shell Size | CLASS “A” |             |                          | CLASS “E” |                | CLASS “F” |                    |           | CLASS “P” |                |                |
|------------|-----------|-------------|--------------------------|-----------|----------------|-----------|--------------------|-----------|-----------|----------------|----------------|
|            | L<br>Max. | J Dia.<br>. | K Thread.<br>(Class: 2A) | L<br>Max. | M Dia.<br>Max. | L<br>Max. | N Dia.<br>± 0 . 25 | P<br>Max. | L<br>Max. | R Dia.<br>Min. | S Dia.<br>Max. |
| 8          | 36.68     | 8.15        | 1/2-28UNEF               | 33.73     | 15.44          | 48.82     | 3.18               | 21.03     | 36.91     | 8.05           | 15.44          |
| 10         | 36.68     | 11.84       | 5/8-24UNEF               | 33.73     | 18.64          | 48.82     | 4.78               | 22.63     | 36.91     | 11.02          | 18.64          |
| 12         | 36.68     | 15.01       | 3/4-20UNEF               | 33.73     | 21.79          | 48.82     | 7.92               | 25.81     | 36.91     | 13.92          | 21.79          |
| 14         | 36.68     | 19.05       | 7/8-20UNEF               | 33.73     | 24.99          | 48.82     | 9.53               | 28.98     | 36.91     | 17.09          | 24.99          |
| 16         | 36.68     | 21.08       | 1-20UNEF                 | 33.73     | 28.19          | 51.99     | 12.70              | 30.56     | 36.91     | 20.27          | 28.19          |
| 18         | 36.68     | 24.08       | 1 3/16-18UNEF            | 33.73     | 31.34          | 52.78     | 15.88              | 37.31     | 36.91     | 22.83          | 31.34          |
| 20         | 43.89     | 26.49       | 1 3/16-18UNEF            | 38.89     | 34.54          | 59.54     | 15.88              | 37.31     | 42.47     | 26.01          | 34.54          |
| 22         | 43.89     | 30.43       | 1 7/16-18UNEF            | 38.89     | 37.69          | 59.54     | 19.05              | 42.06     | 42.47     | 29.18          | 37.69          |

YH26482–I Connector (Soldering Type)

Cable Connecting Plug (YH3111)

YH3111 CLASS “A”, “E”, “F”, “P”

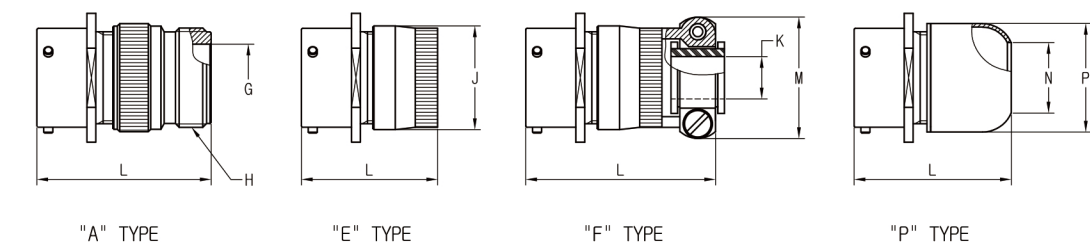
E, F Type - Includes grommet and bushing.



Unit : mm

| Shell Size | A<br>Max. | B Dia.<br>±0.51 | C Dia.<br>+0.00<br>-0.15 | D<br>+0.79<br>-0.00 | E<br>±0.41 | F Thread.<br>(Class: 2A) |
|------------|-----------|-----------------|--------------------------|---------------------|------------|--------------------------|
| 8          | 21.03     | 23.83           | 12.04                    | 10.16               | 2.39       | 7/16-28UNEF              |
| 10         | 24.23     | 26.97           | 15.01                    | 10.16               | 2.39       | 9/16-24UNEF              |
| 12         | 26.59     | 29.36           | 19.08                    | 10.16               | 2.39       | 11/16-24UNEF             |
| 14         | 28.98     | 31.75           | 22.25                    | 10.16               | 2.39       | 13/16-20UNEF             |
| 16         | 31.34     | 34.14           | 25.43                    | 10.16               | 2.39       | 15/16-20UNEF             |
| 18         | 33.73     | 36.53           | 28.60                    | 10.16               | 2.39       | 1 1/16-18UNEF            |
| 20         | 36.91     | 39.67           | 31.78                    | 13.59               | 2.92       | 1 3/16-18UNEF            |
| 22         | 40.08     | 42.88           | 34.95                    | 13.59               | 2.92       | 1 5/16-18UNEF            |

Termination Assembly



Unit : mm

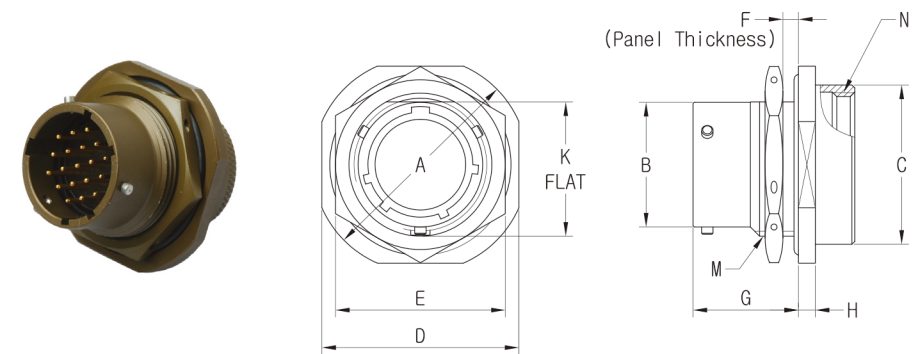
| Shell Size | CLASS “A” |                |                          | CLASS “E” |                | CLASS “F” |                    |           | CLASS “P” |                |                |
|------------|-----------|----------------|--------------------------|-----------|----------------|-----------|--------------------|-----------|-----------|----------------|----------------|
|            | L<br>Max. | G Dia.<br>Min. | H Thread.<br>(Class: 2A) | L<br>Max. | J Dia.<br>Max. | L<br>Max. | K Dia.<br>± 0 . 25 | M<br>Max. | L<br>Max. | N Dia.<br>Min. | P Dia.<br>Max. |
| 8          | 36.68     | 8.15           | 1/2-28UNEF               | 33.73     | 15.44          | 48.82     | 3.18               | 21.03     | 36.91     | 8.05           | 15.44          |
| 10         | 36.68     | 11.84          | 5/8-24UNEF               | 33.73     | 18.64          | 48.82     | 4.78               | 22.63     | 36.91     | 11.02          | 18.64          |
| 12         | 36.68     | 15.01          | 3/4-20UNEF               | 33.73     | 21.79          | 48.82     | 7.92               | 25.81     | 36.91     | 13.92          | 21.79          |
| 14         | 36.68     | 19.05          | 7/8-20UNEF               | 33.73     | 24.99          | 48.82     | 9.53               | 28.98     | 36.91     | 17.09          | 24.99          |
| 16         | 36.68     | 21.08          | 1-20UNEF                 | 33.73     | 28.19          | 51.99     | 12.70              | 30.56     | 36.91     | 20.27          | 28.19          |
| 18         | 36.68     | 24.08          | 1 3/16-18UNEF            | 33.73     | 31.34          | 52.78     | 15.88              | 37.31     | 36.91     | 22.83          | 31.34          |
| 20         | 43.89     | 26.49          | 1 3/16-18UNEF            | 38.89     | 34.54          | 59.54     | 15.88              | 37.31     | 42.47     | 26.01          | 34.54          |
| 22         | 43.89     | 30.43          | 1 7/16-18UNEF            | 38.89     | 37.69          | 59.54     | 19.05              | 42.06     | 42.47     | 29.18          | 37.69          |

YH26482–I Connector (Soldering Type)

Jam Nut Receptacle (YH3114)

YH3114 CLASS “A”, “E”, “F”, “P”

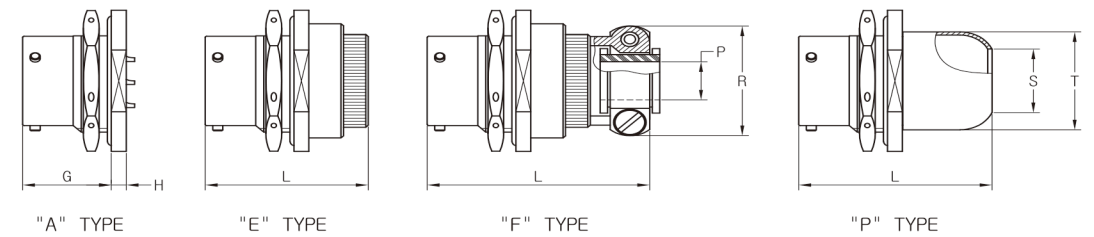
E, F Type - Includes grommet and bushing.



Unit: mm

| Shell Size | A Dia.<br>+0.00<br>-0.81 | B Dia.<br>+0.00<br>-0.15 | C Dia.<br>Max. | D<br>Max. | E<br>±0.43 | F    |      | G<br>+0.79<br>-0.00 | H<br>±0.51 | K Flat.<br>+0.00<br>-0.25 | M Thread.<br>(Class: 2A) | N Thread.<br>(Class: 2B) |
|------------|--------------------------|--------------------------|----------------|-----------|------------|------|------|---------------------|------------|---------------------------|--------------------------|--------------------------|
|            |                          |                          |                |           |            | Min. | Max. |                     |            |                           |                          |                          |
| 8          | 27.38                    | 12.04                    | 15.44          | 24.23     | 19.05      | 1.57 | 3.18 | 17.55               | 2.97       | 13.46                     | 9/16-24UNEF              | 5/8-24UNEF               |
| 10         | 30.56                    | 15.01                    | 18.64          | 27.38     | 22.23      | 1.57 | 3.18 | 17.55               | 2.97       | 16.64                     | 11/16-24UNEF             | 3/4-24UNEF               |
| 12         | 35.33                    | 19.08                    | 21.79          | 32.16     | 26.97      | 1.57 | 3.18 | 17.55               | 2.97       | 20.78                     | 7/8-20UNEF               | 7/8-20UNEF               |
| 14         | 38.51                    | 22.25                    | 24.99          | 35.33     | 30.18      | 1.57 | 3.18 | 17.55               | 2.97       | 23.93                     | 1-20UNEF                 | 1-20UNEF                 |
| 16         | 41.68                    | 25.43                    | 28.19          | 38.51     | 33.32      | 1.57 | 3.18 | 17.55               | 2.97       | 27.08                     | 1 1/8-18UNEF             | 1 1/8-18UNEF             |
| 18         | 44.86                    | 28.60                    | 31.34          | 41.68     | 36.53      | 1.57 | 3.18 | 17.55               | 2.97       | 30.25                     | 1 1/4-18UNEF             | 1 1/4-18UNEF             |
| 20         | 49.63                    | 31.78                    | 34.54          | 46.43     | 39.67      | 1.57 | 6.35 | 22.33               | 3.76       | 33.43                     | 1 3/8-18UNEF             | 1 3/8-18UNEF             |
| 22         | 52.78                    | 34.95                    | 37.69          | 49.63     | 42.88      | 1.57 | 6.35 | 22.33               | 3.76       | 36.60                     | 1 1/2-18UNEF             | 1 1/2-18UNEF             |
| 24         | 55.96                    | 38.13                    | 40.89          | 52.78     | 46.02      | 1.57 | 6.35 | 23.16               | 3.76       | 39.78                     | 1 5/8-18UNEF             | 1 5/8-18UNEF             |

Termination Assembly



Unit: mm

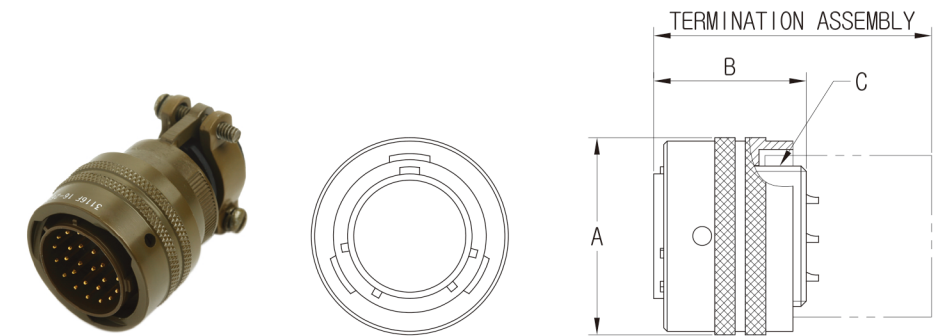
| Shell Size | CLASS “A”           |            | CLASS “E” |           | CLASS “F”  |           | CLASS “P” |                |               |
|------------|---------------------|------------|-----------|-----------|------------|-----------|-----------|----------------|---------------|
|            | G<br>+0.79<br>-0.00 | H<br>±0.51 | L<br>Max. | L<br>Max. | P<br>±0.25 | R<br>Max. | L<br>Max. | S Dia.<br>Min. | T Dia<br>Max. |
| 8          | 17.55               | 2.97       | 34.14     | 48.41     | 3.18       | 21.03     | 35.33     | 8.05           | 15.44         |
| 10         | 17.55               | 2.97       | 34.14     | 48.41     | 4.78       | 22.63     | 35.33     | 11.02          | 18.64         |
| 12         | 17.55               | 2.97       | 34.14     | 48.41     | 7.92       | 25.81     | 35.33     | 13.92          | 21.79         |
| 14         | 17.55               | 2.97       | 34.14     | 48.41     | 9.53       | 28.98     | 35.33     | 17.09          | 24.99         |
| 16         | 17.55               | 2.97       | 34.14     | 51.99     | 12.70      | 30.56     | 35.33     | 20.27          | 28.19         |
| 18         | 17.55               | 2.97       | 34.14     | 52.78     | 15.88      | 37.31     | 35.33     | 22.83          | 31.34         |
| 20         | 22.33               | 3.76       | 40.49     | 59.13     | 15.88      | 37.31     | 41.68     | 26.01          | 34.54         |
| 22         | 22.33               | 3.76       | 40.49     | 59.13     | 19.05      | 42.06     | 41.68     | 29.18          | 37.69         |
| 24         | 23.16               | 3.76       | 41.68     | 62.31     | 20.32      | 44.45     | 43.26     | 32.36          | 40.89         |

YH26482–I Connector (Soldering Type)

Straight Plugs (YH3116)

YH3116 CLASS “A”, “E”, “F”, “P”

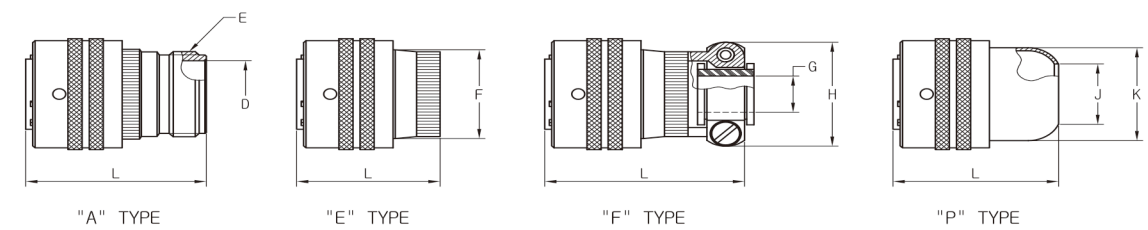
E, F Type - Includes grommet and bushing.



Unit: mm

| Shell Size | A Dia.<br>Max. | B<br>Max. | C Thread.<br>(Class: 2A) |
|------------|----------------|-----------|--------------------------|
| 8          | 19.86          | 21.0      | 7/16-28UNEF              |
| 10         | 23.52          | 21.0      | 9/16-24UNEF              |
| 12         | 26.49          | 21.0      | 11/16-24UNEF             |
| 14         | 30.05          | 21.0      | 13/16-20UNEF             |
| 16         | 33.15          | 21.0      | 15/16-20UNEF             |
| 18         | 35.33          | 21.0      | 1 1/16-18UNEF            |
| 20         | 38.89          | 25.5      | 1 3/16-18UNEF            |
| 22         | 42.06          | 25.5      | 1 5/16-18UNEF            |
| 24         | 45.14          | 25.5      | 1 7/16-18UNEF            |

Termination Assembly



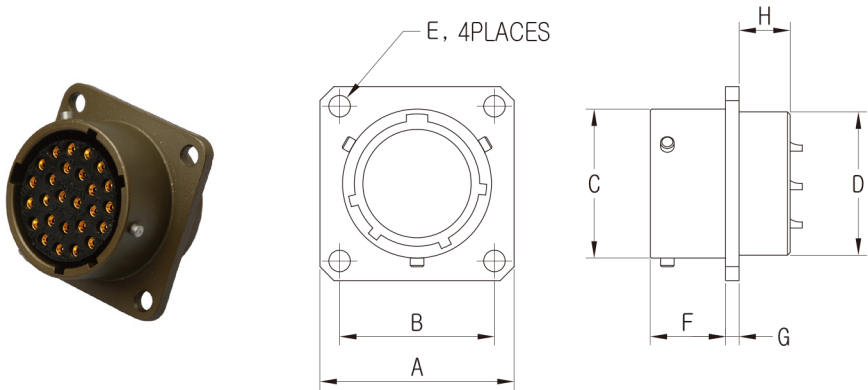
Unit: mm

| Shell Size | CLASS “A” |                |                          | CLASS “E” |                | CLASS “F” |                 |           | CLASS “P” |                |                |
|------------|-----------|----------------|--------------------------|-----------|----------------|-----------|-----------------|-----------|-----------|----------------|----------------|
|            | L<br>Max. | D Dia.<br>Max. | E Thread.<br>(Class: 2A) | L<br>Max. | F Dia.<br>Max. | L<br>Max. | G Dia.<br>±0.25 | H<br>Max. | L<br>Max. | J Dia.<br>Min. | K Dia.<br>Max. |
| 8          | 36.68     | 8.15           | 1/2-28UNEF               | 33.73     | 15.44          | 48.82     | 3.18            | 21.03     | 36.91     | 8.05           | 15.44          |
| 10         | 36.68     | 11.84          | 5/8-24UNEF               | 33.73     | 18.64          | 48.82     | 4.78            | 22.63     | 36.91     | 11.02          | 18.64          |
| 12         | 36.68     | 15.01          | 3/4-20UNEF               | 33.73     | 21.79          | 48.82     | 7.92            | 25.81     | 36.91     | 13.92          | 21.79          |
| 14         | 36.68     | 19.05          | 7/8-20UNEF               | 33.73     | 24.99          | 48.82     | 9.53            | 28.98     | 36.91     | 17.09          | 24.99          |
| 16         | 36.68     | 21.08          | 1-20UNEF                 | 33.73     | 28.19          | 51.99     | 12.70           | 30.56     | 36.91     | 20.27          | 28.19          |
| 18         | 36.68     | 24.08          | 1 3/16-18UNEF            | 33.73     | 31.34          | 52.78     | 15.88           | 37.31     | 36.91     | 22.83          | 31.34          |
| 20         | 43.89     | 26.49          | 1 3/16-18UNEF            | 36.91     | 34.54          | 57.15     | 15.88           | 37.31     | 42.47     | 26.01          | 34.54          |
| 22         | 43.89     | 30.43          | 1 7/16-18UNEF            | 36.91     | 37.69          | 57.15     | 19.05           | 42.06     | 42.47     | 29.18          | 37.69          |
| 24         | 44.15     | 32.84          | 1 7/16-18UNEF            | 38.35     | 40.89          | 58.72     | 20.32           | 44.45     | 44.04     | 32.36          | 40.89          |

YH26482–I Connector (Soldering Type)

Box Mounting Receptacle (YH3112)

YH3112 CLASS “E”

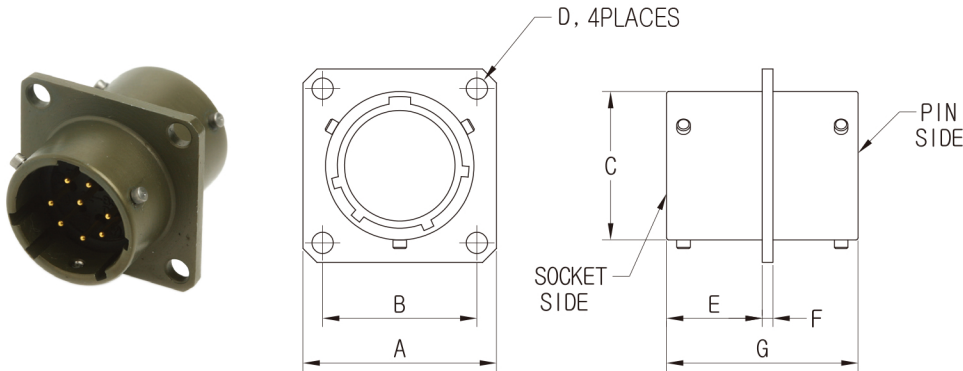


Unit: mm

| Shell Size | A<br>Max. | B<br>±0.10 | C Dia.<br>+0.00<br>-0.15 | D Dia.<br>Max. | E Dia.<br>±0.13 | F<br>+0.79<br>-0.00 | G<br>±0.41 | H     |
|------------|-----------|------------|--------------------------|----------------|-----------------|---------------------|------------|-------|
| 8          | 21.03     | 15.09      | 12.04                    | 11.91          | 3.05            | 10.95               | 1.57       | 8.99  |
| 10         | 24.23     | 18.26      | 15.01                    | 15.06          | 3.05            | 10.95               | 1.57       | 8.99  |
| 12         | 26.59     | 20.62      | 19.08                    | 18.26          | 3.05            | 10.95               | 1.57       | 8.99  |
| 14         | 28.98     | 23.01      | 22.25                    | 21.41          | 3.05            | 10.95               | 1.57       | 8.99  |
| 16         | 31.34     | 24.61      | 25.43                    | 24.61          | 3.05            | 10.95               | 1.57       | 8.99  |
| 18         | 33.73     | 26.97      | 28.60                    | 27.76          | 3.05            | 10.95               | 1.57       | 8.99  |
| 20         | 36.91     | 29.36      | 31.78                    | 30.96          | 3.05            | 14.12               | 2.39       | 10.59 |
| 22         | 40.08     | 31.75      | 34.95                    | 34.11          | 3.05            | 14.12               | 2.39       | 10.59 |

Thru-Bulkhead Receptacle (YH3119)

YH3119 CLASS “E”



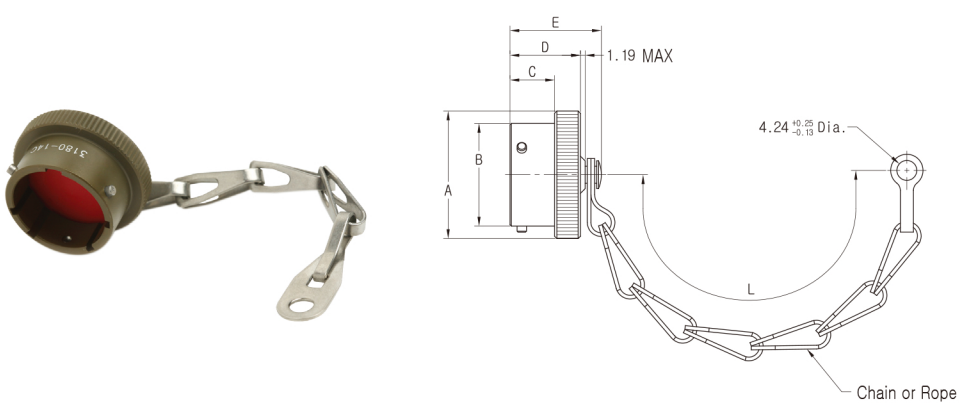
Unit: mm

| Shell Size | A<br>Max. | B<br>±0.10 | C Dia.<br>+0.00<br>-0.15 | D Dia.<br>±0.13 | E<br>+0.79<br>-0.00 | F<br>±0.41 | G<br>Max. |
|------------|-----------|------------|--------------------------|-----------------|---------------------|------------|-----------|
| 8          | 21.03     | 15.09      | 12.04                    | 3.05            | 14.27               | 1.57       | 28.58     |
| 10         | 24.23     | 18.26      | 15.01                    | 3.05            | 14.27               | 1.57       | 28.58     |
| 12         | 26.59     | 20.62      | 19.08                    | 3.05            | 14.27               | 1.57       | 28.58     |
| 14         | 28.98     | 23.01      | 22.25                    | 3.05            | 14.27               | 1.57       | 28.58     |
| 16         | 31.34     | 24.61      | 25.43                    | 3.05            | 14.27               | 1.57       | 28.58     |
| 18         | 33.73     | 26.97      | 28.60                    | 3.05            | 14.27               | 1.57       | 28.58     |
| 20         | 36.91     | 29.36      | 31.78                    | 3.05            | 17.48               | 2.39       | 35.71     |
| 22         | 40.08     | 31.75      | 34.95                    | 3.05            | 17.48               | 2.39       | 35.71     |

YH26482–I Connector (Accessories)

Plug Protection Cap (YH 3180)

YH3180



UNIT: mm

| Shell Size | A Dia.<br>Max. | B Dia.<br>+0.03<br>-0.13 | C<br>+0.79<br>-0.00 | D<br>Max. | E     | L (Standard Length)<br>+12.70<br>-6.35 |
|------------|----------------|--------------------------|---------------------|-----------|-------|----------------------------------------|
| 8          | 18.26          | 12.01                    | 9.35                | 14.27     | 19.84 | 76.20                                  |
| 10         | 21.44          | 14.99                    | 9.35                | 14.27     | 19.84 | 76.20                                  |
| 12         | 25.40          | 19.05                    | 9.35                | 14.27     | 19.84 | 88.90                                  |
| 14         | 28.58          | 22.22                    | 9.35                | 14.27     | 19.84 | 88.90                                  |
| 16         | 31.75          | 25.40                    | 9.35                | 14.27     | 19.84 | 88.90                                  |
| 18         | 34.92          | 28.58                    | 9.35                | 14.27     | 19.84 | 88.90                                  |
| 20         | 38.10          | 31.75                    | 10.92               | 15.88     | 21.44 | 101.60                                 |
| 22         | 41.28          | 34.92                    | 10.92               | 15.88     | 21.44 | 101.60                                 |

How To Order

Part Number YH3180 - 12 C A L

Shell Size \_\_\_\_\_

Chain and Rope \_\_\_\_\_  
C-Chain  
R-Rope  
N-Chain and Ring

Finish \_\_\_\_\_  
Blank – Conductive Olive Drab Chromate Over Cadmium or Zinc Plated  
A – Hard anodized  
L – Electroless nickel plated  
W – Olive Drab Cadmium over Electroless nickel Plated  
04 – Zinc Cobalt Plated

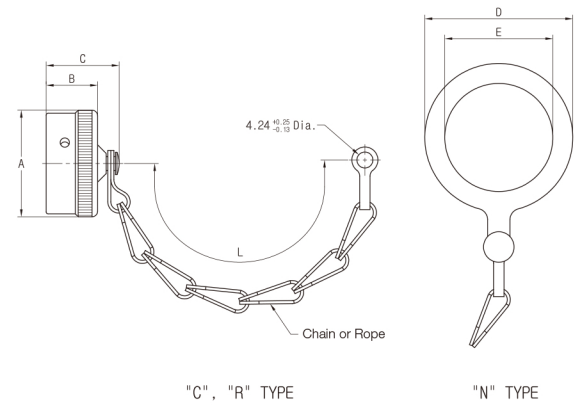
Length \_\_\_\_\_  
L - Length 5 inch (127.0mm)



YH26482–I Connector (Accessories)

Receptacle Protection Cap (YH 3181)

YH3181



Unit: mm

| Shell Size | A Dia.<br>Max. | B<br>Max. | C<br>Max. | D Dia.<br>Max. | E Dia.<br>Min. | L (Standard Length)<br>+12.70<br>-6.35 |
|------------|----------------|-----------|-----------|----------------|----------------|----------------------------------------|
| 8          | 18.64          | 14.27     | 21.44     | 20.62          | 14.68          | 76.20                                  |
| 10         | 21.82          | 14.27     | 21.44     | 25.40          | 17.86          | 76.20                                  |
| 12         | 25.40          | 14.27     | 21.44     | 30.18          | 22.63          | 88.90                                  |
| 14         | 28.58          | 14.27     | 21.44     | 36.53          | 25.81          | 88.90                                  |
| 16         | 31.75          | 14.27     | 21.44     | 39.67          | 28.98          | 88.90                                  |
| 18         | 34.92          | 14.27     | 21.44     | 42.88          | 32.16          | 88.90                                  |
| 20         | 38.10          | 14.27     | 21.44     | 47.55          | 35.33          | 101.60                                 |
| 22         | 41.28          | 14.27     | 21.44     | 49.23          | 38.51          | 101.60                                 |
| 24         | 44.45          | 15.29     | 22.22     | 52.37          | 41.68          | 101.60                                 |

How To Order

Part Number

Shell Size

Chain and Rope

Finish

Length

YH3181

- 12

C

A

L

C-Chain

R-Rope

N-Chain and Ring

Blank – Conductive Olive Drab Chromate Over Cadmium or Zinc Plated

A – Hard anodized

L – Electroless nickel plated

W – Olive Drab Cadmium over Electroless nickel Plated

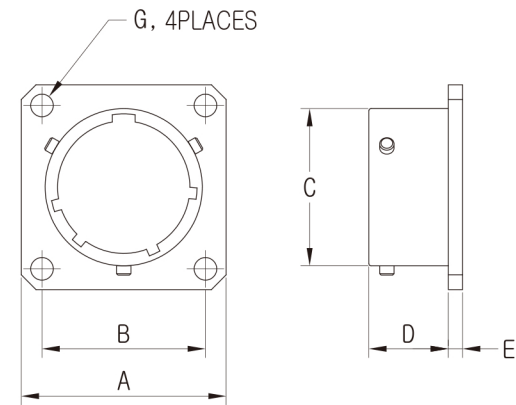
04 – Zinc Cobalt Plated

L - Length 5 inch (127.0mm)

YH26482–I Connector (Accessories)

Dummy Stowage Receptacle (YH3115)

YH3115



Unit: mm

| Shell Size | A<br>Max. | B<br>±0.10 | C Dia.<br>+0.00<br>-0.15 | D<br>+0.79<br>-0.00 | E<br>±0.41 | G Dia.<br>±0.13 |
|------------|-----------|------------|--------------------------|---------------------|------------|-----------------|
| 8          | 21.03     | 15.09      | 12.04                    | 11.73               | 1.57       | 3.05            |
| 10         | 24.23     | 18.26      | 15.01                    | 11.73               | 1.57       | 3.05            |
| 12         | 26.59     | 20.62      | 19.08                    | 11.73               | 1.57       | 3.05            |
| 14         | 28.98     | 23.01      | 22.25                    | 11.73               | 1.57       | 3.05            |
| 16         | 31.34     | 24.61      | 25.43                    | 11.73               | 1.57       | 3.05            |
| 18         | 33.73     | 26.97      | 28.60                    | 11.73               | 1.57       | 3.05            |
| 20         | 36.91     | 29.36      | 31.78                    | 14.12               | 2.39       | 3.05            |
| 22         | 40.08     | 31.75      | 34.95                    | 14.12               | 2.39       | 3.05            |
| 24         | 43.26     | 34.92      | 38.13                    | 14.96               | 2.39       | 3.73            |

How To Order

Part Number

Shell Size

Finish

YH3115

- 12

L

A - Hard Anodized

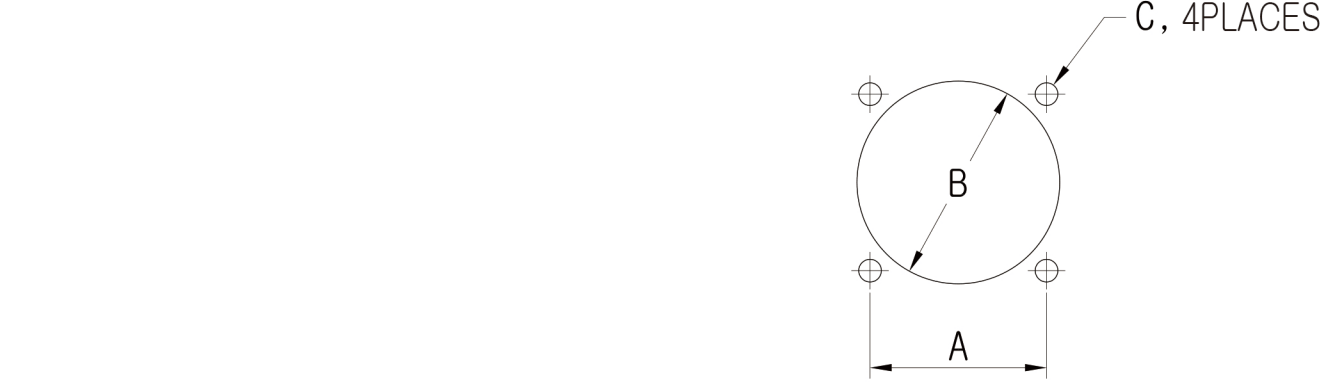
L - Electroless Nickel Plated

W - Olive Drab Cadmium over Electroless nickel Plated

04 - Zinc Cobalt Plated

YH26482-I Connector Panel Cutouts

Box and Wall Mounting Receptacle (Front Mounting)



Unit: mm

| Shell Size | A     | B Dia.<br>+0.25<br>-0.00 | C Dia.<br>±0.13 |
|------------|-------|--------------------------|-----------------|
| 8          | 15.09 | 15.70                    | 3.17            |
| 10         | 18.26 | 18.67                    | 3.17            |
| 12         | 20.62 | 21.82                    | 3.17            |
| 14         | 23.01 | 25.02                    | 3.17            |
| 16         | 24.61 | 28.27                    | 3.17            |
| 18         | 26.97 | 31.37                    | 3.17            |
| 20         | 29.36 | 34.57                    | 3.17            |
| 22         | 31.75 | 37.72                    | 3.17            |
| 24         | 34.92 | 40.92                    | 3.94            |

Jam Nut Receptacle

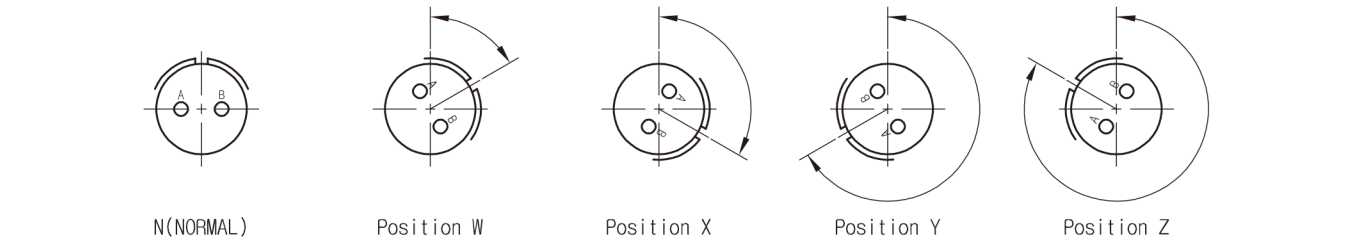


Unit: mm

| Shell Size | A Dia.<br>+0.25<br>-0.13 | B<br>+0.25<br>-0.13 |
|------------|--------------------------|---------------------|
| 8          | 14.53                    | 13.72               |
| 10         | 17.70                    | 16.89               |
| 12         | 22.48                    | 21.03               |
| 14         | 25.65                    | 24.18               |
| 16         | 28.83                    | 27.33               |
| 18         | 32.00                    | 30.51               |
| 20         | 35.18                    | 33.68               |
| 22         | 38.35                    | 36.86               |
| 24         | 41.53                    | 40.03               |

YH26482-I Connector Polarization Positions

Insert Availability and Identification



Look into front face of pin insert

| Shell Size | Contact Arrangement | Service Rating | Total Contacts | Contact Size |    |    | Polarization Positions |     |     |     |
|------------|---------------------|----------------|----------------|--------------|----|----|------------------------|-----|-----|-----|
|            |                     |                |                | 20           | 16 | 12 | W                      | X   | Y   | Z   |
| 8          | 8-2                 | I              | 2              | 2            |    |    | 58                     | 122 |     |     |
|            | 8-3                 | I              | 3              | 3            |    |    | 60                     | 210 |     |     |
|            | 8-4                 | I              | 4              | 4            |    |    | 45                     |     |     |     |
|            | 8-33                | I              | 3              | 3            |    |    | 90                     |     |     |     |
| 10         | 10-6                | I              | 6              | 6            |    |    | 90                     |     |     |     |
|            | 10-98               | I              | 5              | 5            |    |    | 90                     | 180 | 240 | 270 |
| 12         | 12-3                | II             | 3              |              | 3  |    |                        |     | 180 |     |
|            | 12-8                | I              | 8              | 8            |    |    | 90                     | 112 | 203 | 292 |
|            | 12-10               | I              | 10             | 10           |    |    | 60                     | 155 | 270 | 295 |
| 14         | 14-4                | I              | 4              |              |    | 4  | 45                     |     |     |     |
|            | 14-5                | II             | 5              |              | 5  |    | 40                     | 92  | 184 | 273 |
|            | 14-12               | I              | 12             | 8            | 4  |    | 43                     | 90  |     |     |
|            | 14-15               | I              | 15             | 14           | 1  |    | 17                     | 110 | 155 | 234 |
|            | 14-18               | I              | 18             | 18           |    |    | 15                     | 90  | 180 | 270 |
|            | 14-19               | I              | 19             | 19           |    |    | 30                     | 165 | 315 |     |
| 16         | 16-8                | II             | 8              |              | 8  |    | 54                     | 152 | 180 | 331 |
|            | 16-23               | I              | 23             | 22           | 1  |    | 158                    | 270 |     |     |
|            | 16-26               | I              | 26             | 26           |    |    | 60                     |     | 275 | 338 |
| 18         | 18-11               | II             | 11             |              | 11 |    | 62                     | 119 | 241 | 340 |
|            | 18-30               | I              | 30             | 29           | 1  |    | 180                    | 193 | 285 | 350 |
|            | 18-32               | I              | 32             | 32           |    |    | 85                     | 138 | 222 | 265 |
| 20         | 20-16               | II             | 16             |              | 16 |    | 238                    | 318 | 333 | 347 |
|            | 20-24               | I              | 24             | 24           |    |    | 70                     | 145 | 215 | 290 |
|            | 20-39               | I              | 39             | 37           | 2  |    | 83                     | 144 | 252 | 333 |
|            | 20-41               | I              | 41             | 41           |    |    | 45                     | 126 | 225 |     |
| 22         | 22-41               | I              | 41             | 27           | 14 |    | 39                     | 135 | 264 |     |
|            | 22-55               | I              | 55             | 55           |    |    | 30                     | 142 | 226 | 314 |
| 24         | 24-61               | I              | 61             | 61           |    |    | 90                     | 180 | 270 | 324 |

\* Please refer to MIL-STD-1669 for contact arrangements other than the ones in the table.

YH26482-I Connector Insert Arrangements

|                    |               |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
|--------------------|---------------|-------|-------|---------------|---------------|-------|---------------|------|-------|--|--|--|--|--|--|
|                    | Shell Size 8  |       |       |               | Shell Size 10 |       | Shell Size 12 |      |       |  |  |  |  |  |  |
|                    |               |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
| Insert Arrangement | 8-2           | 8-3   | 8-4   | 8-33          | 10-6          | 10-98 | 12-3          | 12-8 | 12-10 |  |  |  |  |  |  |
| Service Rating     | 2             | 3     | 4     | 3             | 6             | 6     | 3             | 8    | 10    |  |  |  |  |  |  |
| Number of Contacts | 20            | 20    | 20    | 20            | 20            | 20    | 16            | 20   | 20    |  |  |  |  |  |  |
| Contact Size       |               |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
|                    |               |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
|                    | Shell Size 14 |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
|                    |               |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
| Insert Arrangement | 14-4          | 14-5  | 14-12 | 14-15         | 14-18         | 14-19 |               |      |       |  |  |  |  |  |  |
| Service Rating     | 1             | 5     | 8     | 14            | 18            | 19    |               |      |       |  |  |  |  |  |  |
| Number of Contacts | 12            | 16    | 20    | 20            | 20            | 20    |               |      |       |  |  |  |  |  |  |
| Contact Size       |               |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
|                    |               |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
|                    | Shell Size 16 |       |       | Shell Size 18 |               |       |               |      |       |  |  |  |  |  |  |
|                    |               |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
| Insert Arrangement | 16-8          | 16-23 | 16-26 | 18-11         | 18-30         | 18-32 |               |      |       |  |  |  |  |  |  |
| Service Rating     | 8             | 22    | 26    | 11            | 29            | 32    |               |      |       |  |  |  |  |  |  |
| Number of Contacts | 16            | 20    | 20    | 16            | 20            | 20    |               |      |       |  |  |  |  |  |  |
| Contact Size       |               |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
|                    |               |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
|                    | Shell Size 20 |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
|                    |               |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
| Insert Arrangement | 20-16         | 20-24 | 20-39 | 20-41         |               |       |               |      |       |  |  |  |  |  |  |
| Service Rating     | 16            | 24    | 37    | 41            |               |       |               |      |       |  |  |  |  |  |  |
| Number of Contacts | 16            | 20    | 20    | 20            |               |       |               |      |       |  |  |  |  |  |  |
| Contact Size       |               |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
|                    |               |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
|                    | Shell Size 22 |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
|                    |               |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
| Insert Arrangement | 22-41         | 22-55 |       |               |               |       |               |      |       |  |  |  |  |  |  |
| Service Rating     | 27            | 55    |       |               |               |       |               |      |       |  |  |  |  |  |  |
| Number of Contacts | 14            | 20    |       |               |               |       |               |      |       |  |  |  |  |  |  |
| Contact Size       | 16            | 20    |       |               |               |       |               |      |       |  |  |  |  |  |  |
|                    |               |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
|                    | Shell Size 24 |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
|                    |               |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
| Insert Arrangement | 24-61         |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
| Service Rating     | 1             |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
| Number of Contacts | 61            |       |       |               |               |       |               |      |       |  |  |  |  |  |  |
| Contact Size       | 20            |       |       |               |               |       |               |      |       |  |  |  |  |  |  |

▶ Look into front face of pin insert.

▶ Please make a direct inquiry for the information not contained in the table.

▶ The contact arrangement in the table meets the MIL-STD-1669 standards.

Contact Legend

12

16

20

