

# YH series

MIL-DTL-26482 I Style Connector  
ISO 9001 / ISO14001



Rev No. 1



연합정밀주식회사  
YEONHAB PRECISION CO., LTD.



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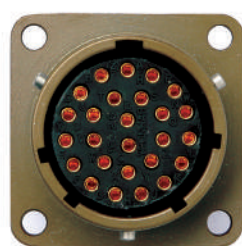
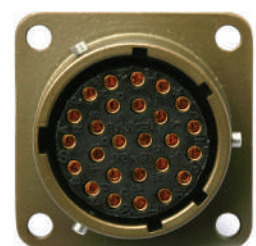
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## 개요 (Overview)

본 커넥터는 소형으로서 전기적, 기계적 및 환경적 특성이 우수하여 주로 군용통신장비에 널리 쓰이고 있으며, 5개소의 안내키(Guide Key)가 있어 확실하고 안정된 결합이 이루어지는 커넥터입니다. 또한 Bayonet Coupling 방식으로 착탈이 되므로 결합시간이 매우 짧고 진동에도 풀리지 않는 장점이 있습니다. 본 팜프렛은 여러 종류의 소형 커넥터 중에서 Cable의 접속을 납땜(Soldering)으로 하는 MS3110 Series의 'E' CLASS를 기준하였으며, 기타 다른 Type, 등급, 형상, 접속배열 등에 관하여는 별도로 문의하여 주십시오.



The MIL-DTL-26482 Style is a compact connector widely used in military communications equipment due to its excellent electrical, mechanical, and environmental characteristics. The five different guide keys allow accurate and stable coupling. Also, the Bayonet coupling method allows it to be put on and off easily. As a result, the coupling time is cut down to a minimum and left unaffected by vibrations. This pamphlet based the MS3110 Series Class "E" connector, which uses Soldering type to connect to cables, as the standard model. If you have any inquiries on different types, class, shape, or connection arrangements please contact us separately.



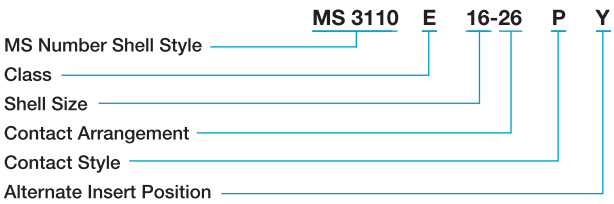
YH series

MIL-DTL-26482 Series I Style Connector  
ISO9001/ISO14001



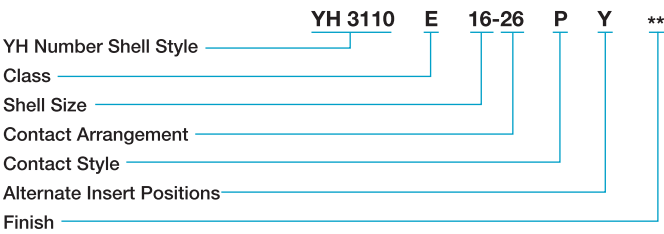
품명구성 (Ordering Information)

Military Nomenclature



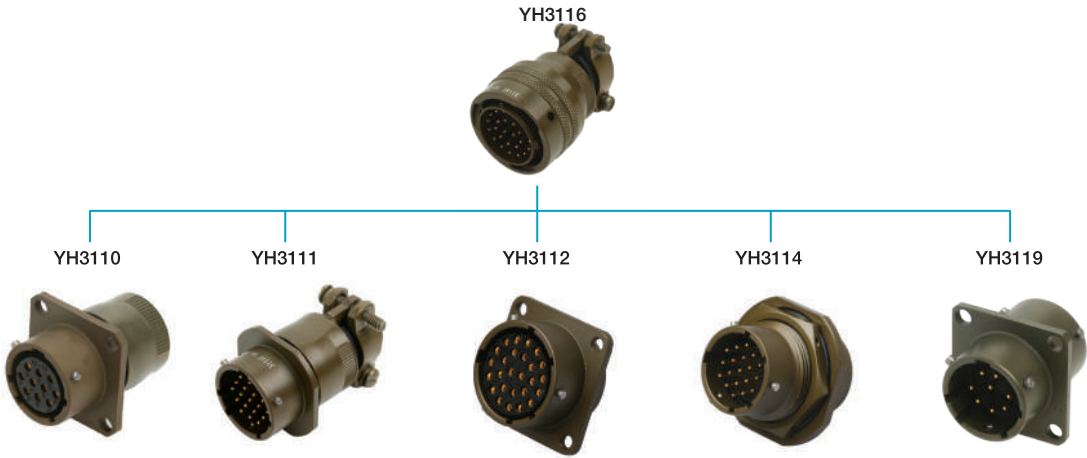
- **MS Number Shell Style**  
MS3110 - Wall Mounting Receptacle  
MS3111 - Cable Connecting Plug  
MS3112 - Box Mounting Receptacle (Class E Only)  
MS3114 - Jam Nut Receptacle  
MS3116 - Straight Plug  
  
MS3119 - Thru-Bulkhead Receptacle (Class E Only)•
  - **Class**  
A - General Duty (not MS Approved)  
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
  - **Contact Arrangement**  
MIL-STD-1669
  - **Contact Style**  
P - Pin  
S - Socket
  - **Alternate Insert 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 (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
  - **Contact Arrangement**  
MIL-STD-1669 - see page 16
- **Contact Style**  
P - Pin  
S - Socket
  - **Alternate Insert Positions**  
N (Normal), W, X, Y, Z (MIL-STD-1669) - see page 15
  - **Finish**  
Blank - Conductive Olive Drab Chromate Over Cadmium or Zinc Plate  
01 - Black Anodize  
02 - Electroless Nickel Plate  
03 - Olive Drab Cadmium  
04 - Zinc Cobalt Plate

결합안내 (Mating Face View)



기술적 정보 (Technical data)

표준 재질 및 보호피막 (Standard Materials and Finishes)

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

전기적 특성 (Electrical Data)

| Wrie 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         |

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

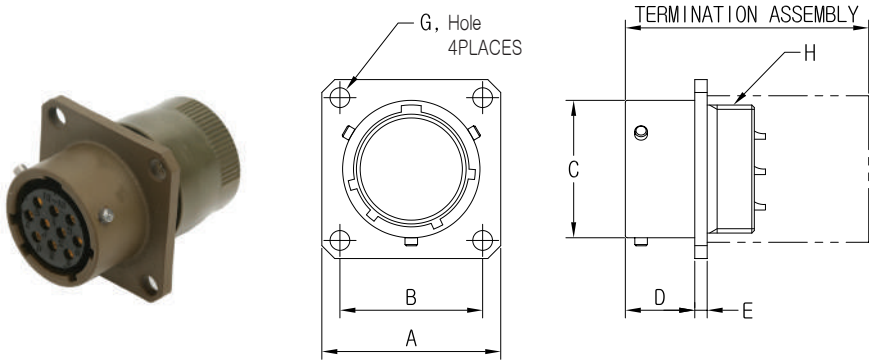
MIL-DTL-26482 Series I Style (Solder Type)

Wall Mounting Receptacle (MS3110)

YH3110 CLASS “A”, “E”, “F”, “P”

E, F Type – 절연체 패킹 및 부싱포함.

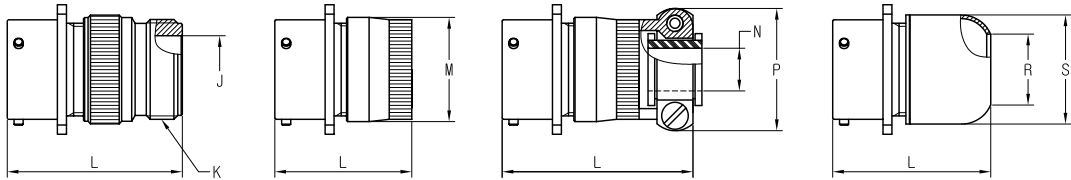
E, F Type - Includes grommet and bushing.



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



"A" TYPE

"E" TYPE

"F" TYPE

"P" TYPE

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>Min. | 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     | 2.92           | 21.03     | 36.91     | 8.05           | 15.44          |
| 10         | 36.68     | 11.84       | 5/8-24UNEF               | 33.73     | 18.64          | 48.82     | 4.52           | 22.63     | 36.91     | 11.02          | 18.64          |
| 12         | 36.68     | 15.01       | 3/4-20UNEF               | 33.73     | 21.79          | 48.82     | 7.67           | 25.81     | 36.91     | 13.92          | 21.79          |
| 14         | 36.68     | 19.05       | 7/8-20UNEF               | 33.73     | 24.99          | 48.82     | 9.27           | 28.98     | 36.91     | 17.09          | 24.99          |
| 16         | 36.68     | 21.08       | 1-20UNEF                 | 33.73     | 28.19          | 51.99     | 12.45          | 30.56     | 36.91     | 20.27          | 28.19          |
| 18         | 36.68     | 24.08       | 1 3/16-18UNEF            | 33.73     | 31.34          | 52.78     | 15.62          | 37.31     | 36.91     | 22.83          | 31.34          |
| 20         | 43.89     | 26.49       | 1 3/16-18UNEF            | 38.89     | 34.54          | 59.54     | 15.62          | 37.31     | 42.47     | 26.01          | 34.54          |
| 22         | 43.89     | 30.43       | 1 7/16-18UNEF            | 38.89     | 37.69          | 59.54     | 18.80          | 42.06     | 42.47     | 29.18          | 37.69          |

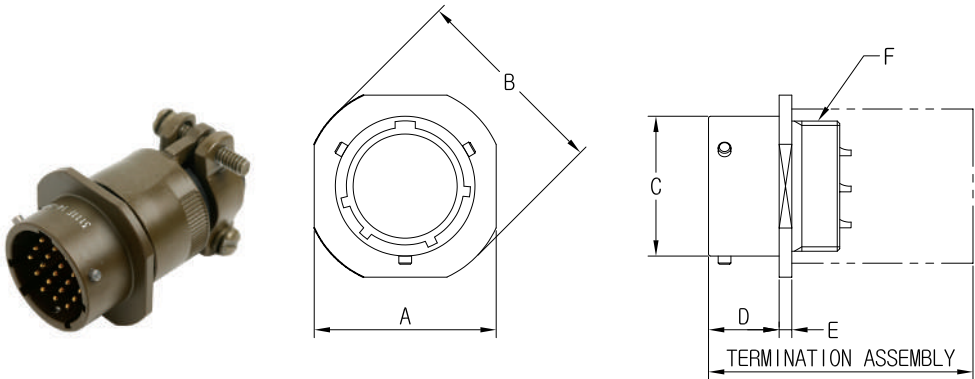
MIL-DTL-26482 Series I Style (Solder Type)

Cable Connecting Plug (MS3111)

YH3111 CLASS “A”, “E”, “F”, “P”

E, F Type – 절연체 패킹 및 부싱포함.

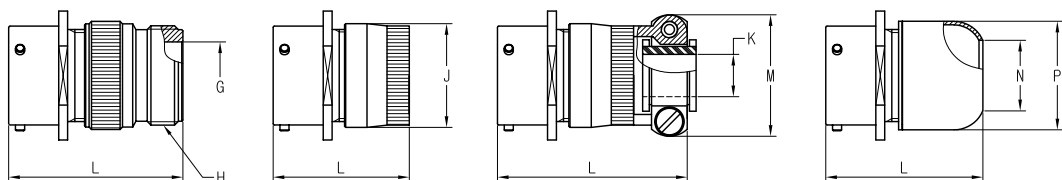
E, F Type - Includes grommet and bushing.



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



"A" TYPE

"E" TYPE

"F" TYPE

"P" TYPE

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>Min. | 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     | 2.92           | 21.03     | 36.91     | 8.05           | 15.44          |
| 10         | 36.68     | 11.84          | 5/8-24UNEF               | 33.73     | 18.64          | 48.82     | 4.52           | 22.63     | 36.91     | 11.02          | 18.64          |
| 12         | 36.68     | 15.01          | 3/4-20UNEF               | 33.73     | 21.79          | 48.82     | 7.67           | 25.81     | 36.91     | 13.92          | 21.79          |
| 14         | 36.68     | 19.05          | 7/8-20UNEF               | 33.73     | 24.99          | 48.82     | 9.27           | 28.98     | 36.91     | 17.09          | 24.99          |
| 16         | 36.68     | 21.08          | 1-20UNEF                 | 33.73     | 28.19          | 51.99     | 12.45          | 30.56     | 36.91     | 20.27          | 28.19          |
| 18         | 36.68     | 24.08          | 1 3/16-18UNEF            | 33.73     | 31.34          | 52.78     | 15.62          | 37.31     | 36.91     | 22.83          | 31.34          |
| 20         | 43.89     | 26.49          | 1 3/16-18UNEF            | 38.89     | 34.54          | 59.54     | 15.62          | 37.31     | 42.47     | 26.01          | 34.54          |
| 22         | 43.89     | 30.43          | 1 7/16-18UNEF            | 38.89     | 37.69          | 59.54     | 18.80          | 42.06     | 42.47     | 29.18          | 37.69          |

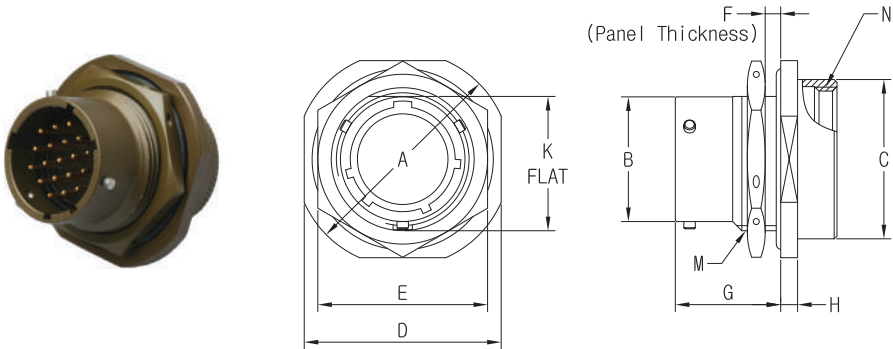
MIL-DTL-26482 Series I Style (Solder Type)

Jam Nut Receptacle (MS3114)

YH3114 CLASS “A”, “E”, “F”, “P”

E, F TYPE – 절연체 패킹 및 부싱포함.

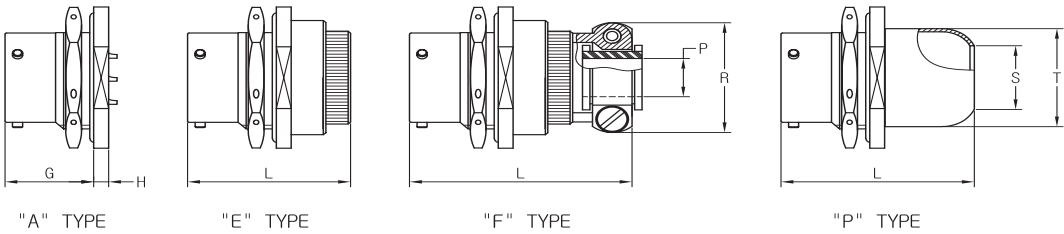
E, F Type - Includes grommet and bushing.



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 | 3.17 | 17.55               | 2.97       | 13.46                     | 9/16-24UNEF              | 5/8-24UNEF               |
| 10         | 30.56                    | 15.01                    | 18.64          | 27.38     | 22.22      | 1.57 | 3.17 | 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 | 3.17 | 17.55               | 2.97       | 20.78                     | 7/8-20UNEF               | 7/8-20UNEF               |
| 14         | 38.51                    | 22.25                    | 24.99          | 35.33     | 30.17      | 1.57 | 3.17 | 17.55               | 2.97       | 23.93                     | 1-20UNEF                 | 1-20UNEF                 |
| 16         | 41.68                    | 25.43                    | 28.19          | 38.51     | 33.32      | 1.57 | 3.17 | 17.55               | 2.97       | 27.08                     | 1 1/8-18UNEF             | 1 1/8-18UNEF             |
| 18         | 44.86                    | 28.60                    | 31.34          | 41.68     | 36.25      | 1.57 | 3.17 | 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     | 42.87      | 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>Min. | R<br>Max. | L<br>Max. | S Dia.<br>Min. | T Dia<br>Max. |
| 8          | 17.55               | 2.97       | 34.14     | 48.41     | 2.92      | 21.03     | 35.33     | 8.05           | 15.44         |
| 10         | 17.55               | 2.97       | 34.14     | 48.41     | 4.52      | 22.63     | 35.33     | 11.02          | 18.64         |
| 12         | 17.55               | 2.97       | 34.14     | 48.41     | 7.67      | 25.81     | 35.33     | 13.92          | 21.79         |
| 14         | 17.55               | 2.97       | 34.14     | 48.41     | 9.27      | 28.98     | 35.33     | 17.09          | 24.99         |
| 16         | 17.55               | 2.97       | 34.14     | 51.99     | 12.45     | 30.56     | 35.33     | 20.27          | 28.19         |
| 18         | 17.55               | 2.97       | 34.14     | 52.78     | 15.62     | 37.31     | 35.33     | 22.83          | 31.34         |
| 20         | 22.33               | 3.76       | 40.49     | 59.13     | 15.62     | 37.31     | 41.68     | 26.01          | 34.54         |
| 22         | 22.33               | 3.76       | 40.49     | 59.13     | 18.80     | 42.06     | 41.68     | 29.18          | 37.69         |
| 24         | 23.16               | 3.76       | 41.68     | 62.31     | 20.07     | 44.45     | 43.26     | 32.36          | 40.89         |

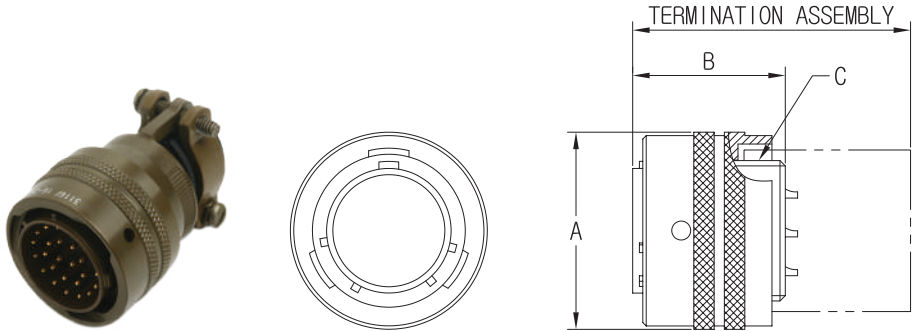
MIL-DTL-26482 Series I Style (Solder Type)

Straight Plugs (MS3116)

YH3116 CLASS “A”, “E”, “F”, “P”

E, F TYPE – 절연체 패킹 및 부싱포함.

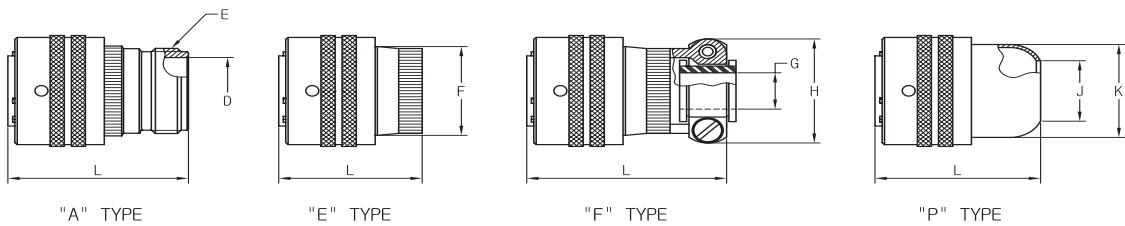
E, F Type - Includes grommet and bushing.



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         | 42.09          | 25.5      | 1 5/16-18UNEF            |
| 24         | 45.13          | 25.5      | 1 7/16-18UNEF            |

Termination Assembly



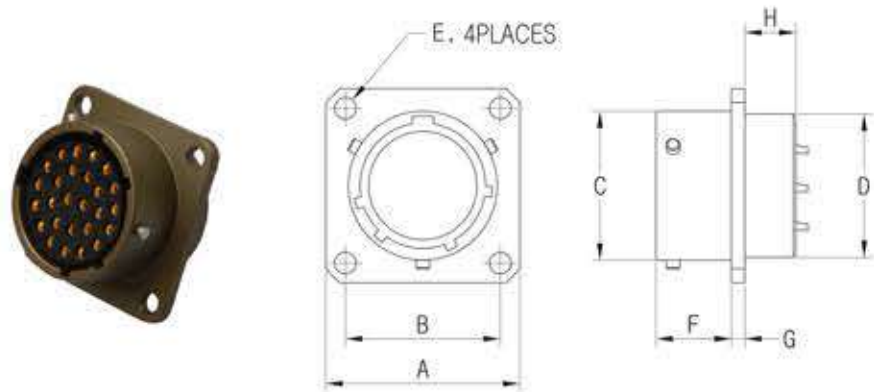
Unit: mm

| 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>Min. | 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     | 2.92           | 21.03     | 36.91     | 8.05           | 15.44          |
| 10         | 36.68     | 11.84          | 5/8-24UNEF               | 33.73     | 18.64          | 48.82     | 4.52           | 22.63     | 36.91     | 11.02          | 18.64          |
| 12         | 36.68     | 15.01          | 3/4-20UNEF               | 33.73     | 21.79          | 48.82     | 7.67           | 25.81     | 36.91     | 13.92          | 21.79          |
| 14         | 36.68     | 19.05          | 7/8-20UNEF               | 33.73     | 24.99          | 48.82     | 9.27           | 28.98     | 36.91     | 17.09          | 24.99          |
| 16         | 36.68     | 21.08          | 1-20UNEF                 | 33.73     | 28.19          | 51.99     | 12.45          | 30.56     | 36.91     | 20.27          | 28.19          |
| 18         | 36.68     | 24.08          | 1 3/16-18UNEF            | 33.73     | 31.34          | 52.78     | 15.62          | 37.31     | 36.91     | 22.83          | 31.34          |
| 20         | 43.89     | 26.49          | 1 3/16-18UNEF            | 38.89     | 34.54          | 59.54     | 15.62          | 37.31     | 42.47     | 26.01          | 34.54          |
| 22         | 43.89     | 30.43          | 1 7/16-18UNEF            | 38.89     | 37.69          | 59.54     | 18.80          | 42.06     | 42.47     | 29.18          | 37.69          |
| 24         | 44.15     | 32.84          | 1 7/16-18UNEF            | 40.49     | 40.89          | 61.11     | 20.07          | 44.45     | 44.04     | 32.36          | 40.89          |

MIL-DTL-26482 Series I Style (Solder Type)

Box Mounting Receptacle (MS3112)

YH3112 CLASS "E"

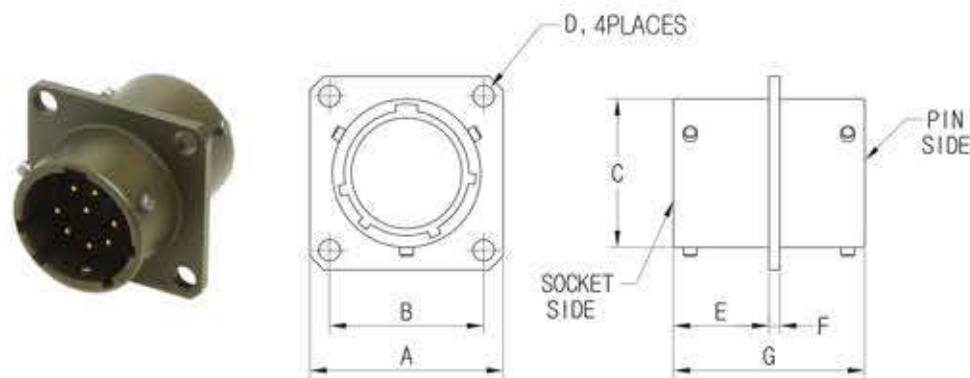


Unit: mm

| 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 (MS3119)

YH3119 CLASS "E"



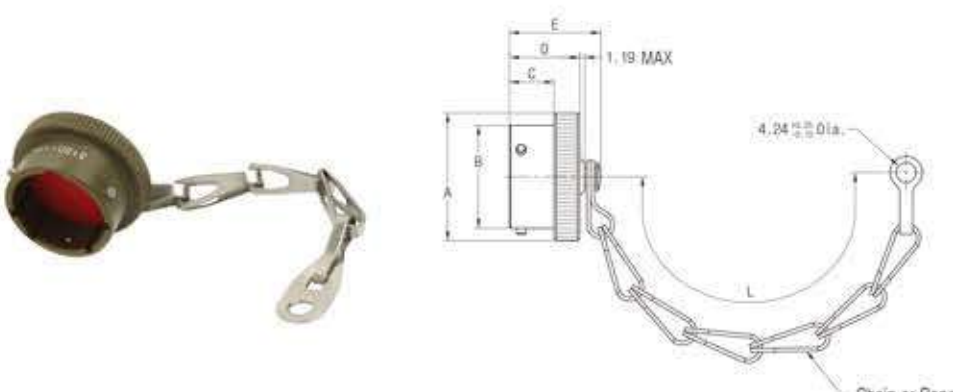
Unit: mm

| 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            | 10.95               | 1.57       | 28.58     |
| 10         | 24.23     | 18.26      | 15.01                    | 3.05            | 10.95               | 1.57       | 28.58     |
| 12         | 26.59     | 20.62      | 19.08                    | 3.05            | 10.95               | 1.57       | 28.58     |
| 14         | 28.98     | 23.01      | 22.25                    | 3.05            | 10.95               | 1.57       | 28.58     |
| 16         | 31.34     | 24.61      | 25.43                    | 3.05            | 10.95               | 1.57       | 28.58     |
| 18         | 33.73     | 26.97      | 28.60                    | 3.05            | 10.95               | 1.57       | 28.58     |
| 20         | 36.91     | 29.36      | 31.78                    | 3.05            | 14.12               | 2.39       | 35.71     |
| 22         | 40.08     | 31.75      | 34.95                    | 3.05            | 14.12               | 2.39       | 35.71     |

MIL-DTL-26482 Series I Style (Accessories)

Plug Protection Cap (MS 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     | 12                |
| Chain and Rope | C                 |
| Finish         | A                 |
| Length         | L                 |

C-Chain  
R-Rope  
N-Chain and Ring

Blank - Olive Drab Chromate Over Cadmium or Zinc Plate  
A - Hard Anodize  
W - Cadmium, Conductive  
02 - Electroless Nickel Palte  
04 - Zinc Cobalt Plate

L - Length 5 inch (127.0mm)

MIL-DTL-26482 Series I Style (Accessories)

Receptacle Protection Cap (MS 3181)

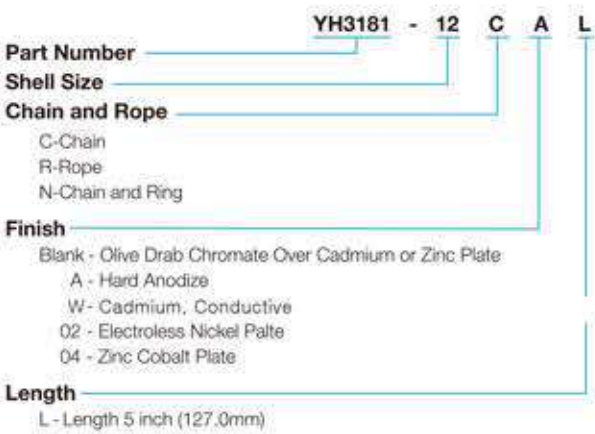
YH3181



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     | 46.02          | 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                                 |

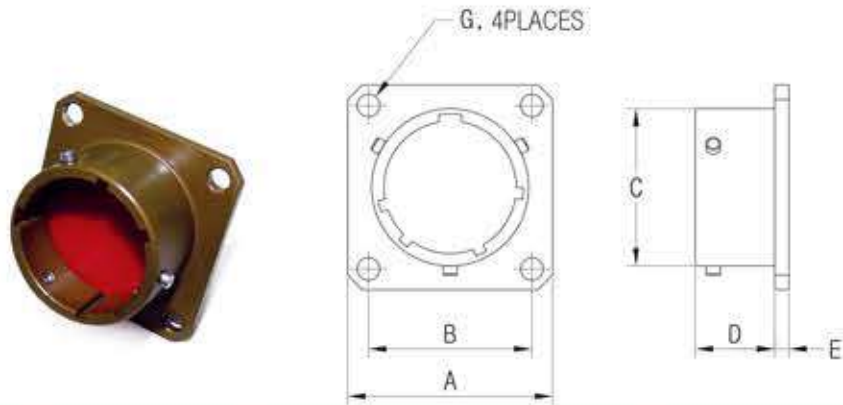
How To Order



MIL-DTL-26482 Series I Style (Accessories)

Dummy Stowage Receptacle (MS3115)

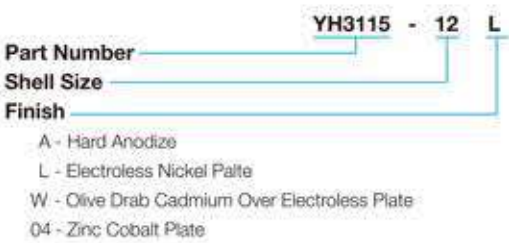
YH3115



Unit: mm

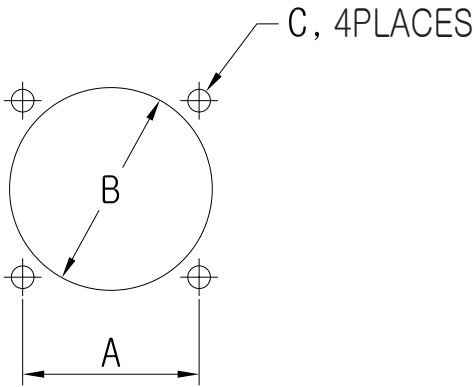
| Shell Size | A<br>Max. | B<br>±0.10 | C Dia.<br>+0.00<br>-0.15 | D<br>+0.79<br>-0.00 | E<br>±0.41 | G Dia.<br>±0.13 |
|------------|-----------|------------|--------------------------|---------------------|------------|-----------------|
| 8          | 21.03     | 15.09      | 12.04                    | 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



MIL-DTL-26482 Series I Style Panel Cutouts

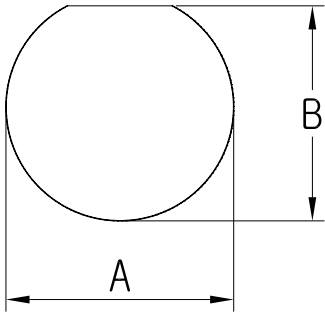
Box and Wall Mounting Receptacle (Front Mounting)



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

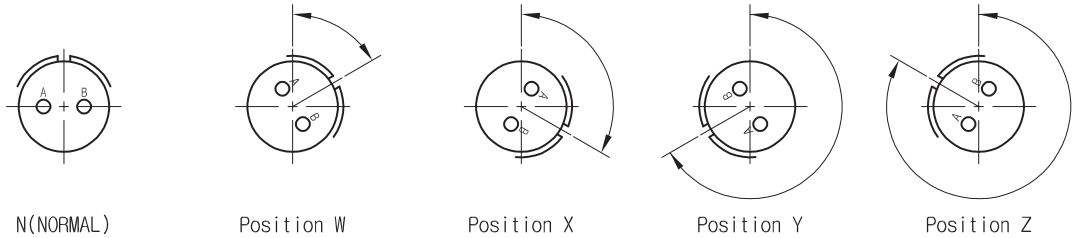


Unit: mm

| Shell Size | A Dia.<br>+0.13<br>-0.00 | B<br>+0.25<br>-0.13 |
|------------|--------------------------|---------------------|
| 8          | 14.68                    | 13.72               |
| 10         | 17.86                    | 16.89               |
| 12         | 22.61                    | 21.03               |
| 14         | 25.78                    | 24.18               |
| 16         | 28.96                    | 27.33               |
| 18         | 32.13                    | 30.51               |
| 20         | 35.31                    | 33.68               |
| 22         | 38.48                    | 36.86               |
| 24         | 41.66                    | 40.03               |

MIL-DTL-26482 Series I Style 절연체 회전위치 (Alternate Insert Positions)

Insert Availability and Identification



View looking into front face of pin insert or rear of socket insert.

| Shell Size | Contact Arrangement | Service Rating | Total Contacts | Contact Size |    |    | Alternate Insert Positions (Degree) |     |     |     |
|------------|---------------------|----------------|----------------|--------------|----|----|-------------------------------------|-----|-----|-----|
|            |                     |                |                | 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         | 14-5                | 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 |
|            | 16-99               | I              | 23             | 21           | 2  |    | 66                                  | 156 | 223 | 340 |
| 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 |
|            | 20-27               | I              | 27             | 27           |    |    | 72                                  | 144 | 216 | 288 |
|            | 20-39               | I              | 39             | 37           | 2  |    | 83                                  | 144 | 252 | 333 |
|            | 20-41               | I              | 41             | 41           |    |    | 45                                  | 126 | 225 |     |
| 22         | 22-12               | I              | 12             |              |    | 12 |                                     |     |     |     |
|            | 22-21               | II             | 21             |              | 21 |    | 16                                  | 135 | 175 | 349 |
|            | 22-32               | I              | 32             | 32           |    |    | 72                                  | 145 | 215 | 288 |
|            | 22-34               | I              | 34             | 34           |    |    | 62                                  | 142 | 218 | 298 |
|            | 22-41               | I              | 41             | 27           | 14 |    | 39                                  | 135 | 264 |     |
| 24         | 22-55               | I              | 55             | 55           |    |    | 30                                  | 142 | 226 | 314 |
|            | 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.

MIL-DTL-26482 Series I Style 접점 배열도 (Contact Arrangements)

|                                                                            |               |       |       |       |               |               |               |       |       |  |
|----------------------------------------------------------------------------|---------------|-------|-------|-------|---------------|---------------|---------------|-------|-------|--|
| Insert Arrangement<br>Service Rating<br>Number of Contacts<br>Contact Size | Shell Size 8  |       |       |       | Shell Size 10 |               | Shell Size 12 |       |       |  |
|                                                                            |               |       |       |       |               |               |               |       |       |  |
|                                                                            | 8-2           | 8-3   | 8-4   | 8-33  | 10-6          | 10-98         | 12-3          | 12-8  | 12-10 |  |
|                                                                            | II            | I     | I     | III   | I             | I             | III           | I     | III   |  |
| Insert Arrangement<br>Service Rating<br>Number of Contacts<br>Contact Size | Shell Size 14 |       |       |       | Shell Size 16 |               |               |       |       |  |
|                                                                            |               |       |       |       |               |               |               |       |       |  |
|                                                                            | 14-5          | 14-12 | 14-15 | 14-18 | 14-19         | 16-8          |               |       |       |  |
|                                                                            | II            | I     | I     | I     | I             | II            |               |       |       |  |
| Insert Arrangement<br>Service Rating<br>Number of Contacts<br>Contact Size | 5             | 8     | 14    | 18    | 19            | 8             |               |       |       |  |
|                                                                            | 16            | 20    | 20    | 20    | 20            | 16            |               |       |       |  |
|                                                                            | Shell Size 16 |       |       |       |               | Shell Size 18 |               |       |       |  |
|                                                                            |               |       |       |       |               |               |               |       |       |  |
| Insert Arrangement<br>Service Rating<br>Number of Contacts<br>Contact Size | 16-23         | 16-26 | 16-99 | 18-11 | 18-30         | 18-32         |               |       |       |  |
|                                                                            | II            | I     | I     | II    | I             | II            |               |       |       |  |
|                                                                            | 22            | 26    | 21    | 11    | 29            | 32            |               |       |       |  |
|                                                                            | 20            | 20    | 20    | 16    | 20            | 20            |               |       |       |  |
| Insert Arrangement<br>Service Rating<br>Number of Contacts<br>Contact Size | Shell Size 20 |       |       |       |               | Shell Size 22 |               |       |       |  |
|                                                                            |               |       |       |       |               |               |               |       |       |  |
|                                                                            | 20-16         | 20-24 | 20-27 | 22-12 | 22-21         | 22-32         | 22-34         | 22-41 |       |  |
|                                                                            | II            | I     | I     | II    | II            | I             | I             | I     |       |  |
| Insert Arrangement<br>Service Rating<br>Number of Contacts<br>Contact Size | 16            | 24    | 27    | 12    | 21            | 32            | 34            | 27    |       |  |
|                                                                            | 16            | 20    | 20    | 12    | 16            | 20            | 20            | 20    |       |  |
|                                                                            | Shell Size 22 |       |       |       |               | Shell Size 24 |               |       |       |  |
|                                                                            |               |       |       |       |               |               |               |       |       |  |
| Insert Arrangement<br>Service Rating<br>Number of Contacts<br>Contact Size | 22-55         | 24-61 |       |       |               |               |               |       |       |  |
|                                                                            | II            | I     |       |       |               |               |               |       |       |  |
|                                                                            | 55            | 61    |       |       |               |               |               |       |       |  |
|                                                                            | 20            | 20    |       |       |               |               |               |       |       |  |

1. View looking into front face of pin insert(+insulator).  
2. Please make a direct inquiry for the information not contained in the table.  
3. The contact arrangement in the table meets the MIL-STD-1669 standards.

Contact Legend

12

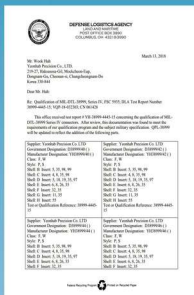
16

20





**연합정밀주식회사**  
YEONHAB PRECISION CO., LTD.



QPL 인증



국방품질경영시스템(국방)



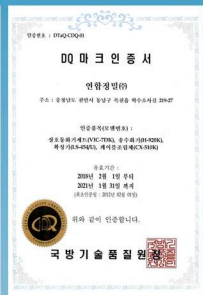
AS 9100(항공)



ISO 14001(환경)



ISO 9001(품질)



DQ마크 인증

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