YH5015 CONNECTOR

MIL-DTL-5015 Style





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Overview

There connectors were originally designed for military equipments and they are widely used at low costs in various industries. In particular the YH5015 connectors are used in industrial product which require high levels of reliability such as medical equipments, electric cars, industrial building machinery, robots, and etc.,

The YH5015 connector uses a screw type coupling method. Products in Class "A" and "B" are not waterproof types, whereas Class "E", "F",and "R" types use insulating packing materials which enable the back of the connector cables to be waterproof. The Class "F" and "R" type YH3106/ YH3108 plug connector have an O-ring which enables the entire connector to be waterproof.

There connectors measurements regarding mutual coupling and contact arrangements are consistent with the MS5015 standards.

YH5015 Connector (MIL-DTL-5015 Style)

ISO 9001/ISO14001



Ordering Information

Military Standard Cross Reference

MS3100 E 18-22 P Y

- MS Number Shell Style
- Class
- Shell Size
- **Insert** Arrangement
- Contact Type
- Alternate Insert Position

- **MS Number Shell Style**
  MS3100 - Wall Mounting Receptacle
  MS3101 - Cable Connecting Plug
  MS3102 - Box mounting Receptacle
  MS3106 - Straight Plug
  MS3108 - 90°Angle Plug
- **Class**
  A - Solid shell for general, non-environmental applications
  E - With resilient insulator and integral clamp for cable strain relief
  F - Same as E, However style 3106 with O-ring seal under the coupling nut
  R - With resilient insulator and shortened, lightweight endbell (additional sealing with O-ring under the coupling nut for shell styles 3106 and 3108)
- **Shell Size**
  10SL, 12S, 12, 14S, 14, 16S, 16, 18, 20, 22, 24, 28, 32, 36
- **Insert Arrangement**
  MIL-STD-1651
- **Contact Type**
  P - Pin Contact
  S - Socket Contact
- **Alternate Insert Position**
  N(Normal), W, X, Y, Z(MIL-STD-1651)

How to order YEONHAB(YH)

Commercial equivalent : YH-5015-XX (non-QPL)

YH3100 E 18 22 P Y **

- YH Number Shell Style
- Class
- Shell Size
- Contact Arrangement
- Contact Type
- Alternate Insert Position
- Finish

- **YH Number Shell Style**
  YH3100 - Wall Mounting Receptacle
  YH3101 - Cable Comnnecting Plug
  YH3102 - Box mounting Receptacle
  YH3106 - Straight Plug
  YH3108 - 90°Angle Plug
- **Class**
  A - Solid shell for general, non-environmental applications
  E - With resilient insulator and integral clamp for cable strain relief
  F - Same as E, However style 3106 with O-ring seal under the coupling nut
  R - With resilient insulator and shortened, lightweight endbell (additional sealing with O-ring under the coupling nut for shell styles 3106 and 3108)
- **Shell Size**
  10SL, 12S, 12, 14S, 14, 16S, 16, 18, 20, 22, 24, 28, 32, 36
- **Insert Arrangement**
  MIL-STD-1651
- **Contact Type**
  P - Pin Contact
  S - Socket Contact
- **Alternate Insert Position**
  N(Normal), W, X, Y, Z(MIL-STD-1651)
- **Finish**
  BLANK - Conductive Olive Drab Chromate Over Cadmium or Zinc plate.
  01- Black Anodize
  02- Electroless Nickel plate
  03- Black Zinc Cobalt Plate

Mating Face View



Technical Data

Materials & Finish

Portion	Materials	Finishes
Shell)	Aluminum alloy	Olive drab chromate coating over cadmium or zinc plating.
Insulator	Polychloroprene (resilient)	-
Contacts	Brass or Copper alloy	Silver plate

Electrical Data

Insulation Resistance	5,000MΩ Min.(at 25℃)
Operating Temperature Range	-55℃ ~ +125℃
Durability	500 cycle, mate and unmate

Insert Arrangements Service Rating

Service Rating	Dielectric Withstanding Voltage: Test Voltage AC(rms)	Operating Voltage: AC (rms)	Operating Voltage: DC	Contact Size	Contact Engaging & Separating Force: Force in Lbs: Maximum	Force in Lbs: Average	Force in Lbs: Minimum
inst.	1,000	200	250	16	3.00	2.06	0.13
A	2,000	500	700	12	5.00	3.50	0.19
D	2,800	900	1,250	8	10.00	-	0.31
E	3,500	1,250	1,750	4	15.00	-	0.63
B	4,500	1,750	2,450	0	20.00	-	0.94
C	7,000	3,000	4,200				

Altitude Voltage Derating Chart

Service Rating	Nominal Distance: Airspace	Nominal Distance: Creepage	Standard Sea Level Conditions: Minimum Flashover Voltage AC(rms)	Standard Sea Level Conditions: Test Voltage AC(rms)	Pressure Altitude 70,000 ft: Minimum Flashover Voltage AC(rms)	Pressure Altitude 70,000 ft: Test Voltage AC(rms)
inst.	1/32	1/16	1400	1,000	325	260
A	1/16	1/8	2800	2,000	450	360
D	1/8	3/16	3600	2,800	500	400
E	3/16	1/4	4500	3,500	550	440
B	1/4	5/16	5700	4,500	600	480
C	5/16	1	8500	7,000	700	560

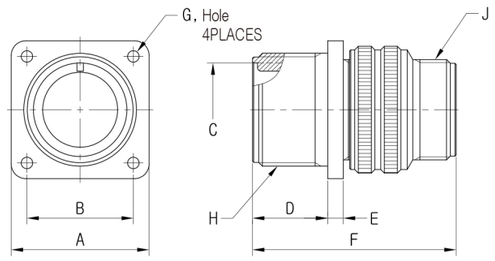
Contact Size	Pin Contact Dia.	Solder Pot Dia.	Current(A) Rating (Mated With Insulators)	Contact Resistance: Test Current (A)	Contact Resistance: Potential Drop Max(mV)	Wire Range Accommodations: Wire Size (AWG)	Wire Range Accommodations: Wire Normal Square Size(㎟)	Wire Range Accommodations: Dielectric Material Outer Dia.
16	1.6	2.0	13A	20A	21	16~22	≤ 1.3	1.7~3.3
12	2.4	3.0	23A	35A	20	12~14	≤ 3.5	2.9~4.3
8	3.6	5.2	46A	60A	12	8~10	≤ 8.0	4.2~6.4
4	5.7	8.5	80A	110A	10	6~4	≤ 22.0	7.0~9.4
0	9.1	12.0	150A	200A	10	0~2	≤ 50.0	10.6~14.0

Wall Mouting Receptacle (YH 3100)

YH3100 CLASS “A”

Can be used with accessories such as
YH3057 at the endbell.
Excludes grommet and bushing.





UNIT: mm

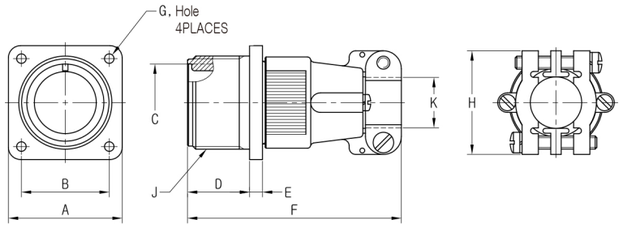
Part Number	A ±0.79	B ±0.12	C Dia. +0.38 -0.00	D +0.79 -0.00	E Max./Min.	F Max.	G Dia. +0.25 -0.13	H Thread. (Class : 2A)	J Thread. (Class : 2A)
YH3100A10SL-xxxx	25.40	18.26	11.38	14.28	3.96/1.58	38.88	3.05	5/8-24UNEF	5/8-24UNEF
YH3100A12S-xxxx	27.79	20.62	14.15	14.28	3.96/1.58	42.87	3.05	3/4-20UNEF	5/8-24UNEF
YH3100A12-xxxx	27.79	20.62	14.15	19.05	3.96/1.58	52.37	3.05	3/4-20UNEF	5/8-24UNEF
YH3100A14S-xxxx	30.18	23.01	17.33	14.28	3.96/1.58	42.87	3.05	7/8-20UNEF	3/4-20UNEF
YH3100A14-xxxx	30.18	23.01	17.33	19.05	3.96/1.58	52.37	3.05	7/8-20UNEF	3/4-20UNEF
YH3100A16S-xxxx	32.54	24.61	20.50	14.28	3.96/1.58	42.87	3.05	1-20UNEF	7/8-20UNEF
YH3100A16-xxxx	32.54	24.61	20.50	19.05	3.96/1.58	52.37	3.05	1-20UNEF	7/8-20UNEF
YH3100A18-xxxx	34.93	26.97	23.68	19.05	5.12/2.39	52.37	3.05	1 1/8-18UNEF	1-20UNEF
YH3100A20-xxxx	38.10	29.36	26.88	19.05	5.12/2.39	55.57	3.05	1 1/4-18UNEF	1 3/16-18UNEF
YH3100A22-xxxx	41.28	31.75	30.03	19.05	5.12/2.39	55.57	3.05	1 3/8-18UNEF	1 3/16-18UNEF
YH3100A24-xxxx	44.45	34.93	33.20	20.63	5.12/2.39	58.72	3.73	1 1/2-18UNEF	1 7/16-18UNEF
YH3100A28-xxxx	50.80	39.67	38.77	20.63	5.12/2.39	58.72	3.73	1 3/4-18UNS	1 7/16-18UNEF
YH3100A32-xxxx	57.15	44.45	45.12	22.23	9.11/3.18	61.92	4.39	2-18UNS	1 3/4-18UNS
YH3100A36-xxxx	63.50	49.23	50.68	22.23	9.11/3.18	61.92	4.39	2 1/4-16UN	2-18UNS

Wall Mounting Receptacle (YH 3100)

YH3100 CLASS “E”, “F”

Includes grommet
and bushing.





UNIT: mm

Part Number	A ±0.79	B ±0.12	C Dia. +0.38 -0.00	D +0.79 -0.00	E Max./Min.	F Max.	G Dia. +0.25 -0.13	H Max.	* K Dia. Max.	J Thread. (Class : 2A)
YH3100x10SL-xxxx	25.40	18.26	11.38	14.28	3.96/1.58	57.15	3.05	22.7	6.5	5/8-24UNEF
YH3100x12S-xxxx	27.79	20.62	14.15	14.28	3.96/1.58	57.15	3.05	22.7	6.5	3/4-20UNEF
YH3100x12-xxxx	27.79	20.62	14.15	19.05	3.96/1.58	66.68	3.05	22.7	6.5	3/4-20UNEF
YH3100x14S-xxxx	30.18	23.01	17.33	14.28	3.96/1.58	57.15	3.05	27.5	9.0	7/8-20UNEF
YH3100x14-xxxx	30.18	23.01	17.33	19.05	3.96/1.58	66.68	3.05	27.5	9.0	7/8-20UNEF
YH3100x16S-xxxx	32.54	24.61	20.50	14.28	3.96/1.58	57.15	3.05	30.0	11.0	1-20UNEF
YH3100x16-xxxx	32.54	24.61	20.50	19.05	3.96/1.58	66.68	3.05	30.0	11.0	1-20UNEF
YH3100x18-xxxx	34.93	26.97	23.68	19.05	5.12/2.39	68.28	3.05	32.2	14.2	1 1/8-18UNEF
YH3100x20-xxxx	38.10	29.36	26.88	19.05	5.12/2.39	69.85	3.05	37.5	15.8	1 1/4-18UNEF
YH3100x22-xxxx	41.28	31.75	30.03	19.05	5.12/2.39	69.85	3.05	37.5	15.8	1 3/8-18UNEF
YH3100x24-xxxx	44.45	34.93	33.20	20.63	5.12/2.39	75.41	3.73	43.3	21.4	1 1/2-18UNEF
YH3100x28-xxxx	50.80	39.67	38.77	20.63	5.12/2.39	76.99	3.73	43.3	21.4	1 3/4-18UNS
YH3100x32-xxxx	57.15	44.45	45.12	22.23	9.11/3.18	76.99	4.39	51.7	26.7	2-18UNS
YH3100x36-xxxx	63.50	49.23	50.68	22.23	9.11/3.18	83.34	4.39	58.0	31.7	2 1/4-16UN

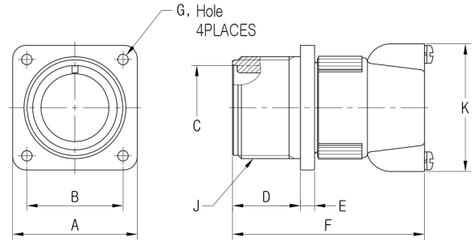
* 적용 케이블 최대 외경임.

Wall Mounting Receptacle (YH 3100)

YH3100 CLASS “R”

Includes grommet and bushing.





UNIT: mm

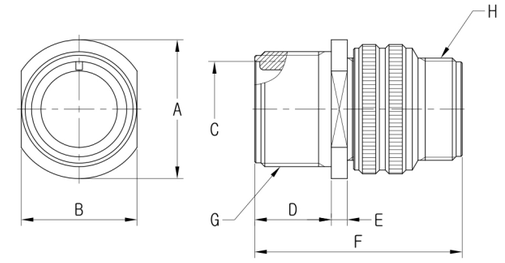
Part Number	A ±0.79	B ±0.12	C Dia. +0.38 -0.00	D +0.79 -0.00	E Max./Min.	F Max.	G Dia. +0.25 -0.13	K Max.	J Thread. (Class : 2A)
YH3100R10SL-xxxx	25.40	18.26	11.38	14.28	3.96/1.58	46.69	3.05	24.4	5/8-24UNEF
YH3100R12S-xxxx	27.79	20.62	14.15	14.28	3.96/1.58	46.69	3.05	24.4	3/4-20UNEF
YH3100R12-xxxx	27.79	20.62	14.15	19.05	3.96/1.58	55.40	3.05	24.4	3/4-20UNEF
YH3100R14S-xxxx	30.18	23.01	17.33	14.28	3.96/1.58	46.69	3.05	29.0	7/8-20UNEF
YH3100R14-xxxx	30.18	23.01	17.33	19.05	3.96/1.58	55.40	3.05	29.0	7/8-20UNEF
YH3100R16S-xxxx	32.54	24.61	20.50	14.28	3.96/1.58	46.69	3.05	31.5	1-20UNEF
YH3100R16-xxxx	32.54	24.61	20.50	19.05	3.96/1.58	55.40	3.05	31.5	1-20UNEF
YH3100R18-xxxx	34.93	26.97	23.68	19.05	5.12/2.39	55.40	3.05	36.6	1 1/8-18UNEF
YH3100R20-xxxx	38.10	29.36	26.88	19.05	5.12/2.39	55.40	3.05	39.7	1 1/4-18UNEF
YH3100R22-xxxx	41.28	31.75	30.03	19.05	5.12/2.39	55.40	3.05	39.7	1 3/8-18UNEF
YH3100R24-xxxx	44.45	34.93	33.20	20.63	5.12/2.39	55.40	3.73	47.4	1 1/2-18UNEF
YH3100R28-xxxx	50.80	39.67	38.77	20.63	5.12/2.39	55.40	3.73	47.4	1 3/4-18UNS
YH3100R32-xxxx	57.15	44.45	45.12	22.23	9.11/3.18	58.98	4.39	55.9	2-18UNS
YH3100R36-xxxx	63.50	49.23	50.68	22.23	9.11/3.18	58.98	4.39	60.8	2 1/4-16UN

Cable Connecting Plug (YH 3101)

YH3101 CLASS “A”

Can be used with accessories such as
YH3057 at the endbell.
Excludes grommet and bushing.





UNIT: mm

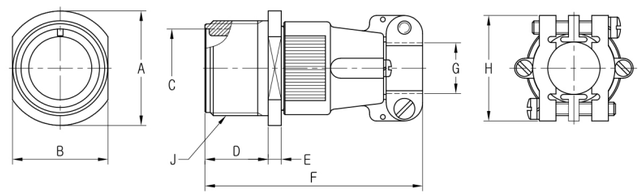
Part Number	A Dia. Max.	B Max.	C Dia. +0.38 -0.00	D +0.79 -0.00	E Max./Min.	F Max.	G Thread. (Class : 2A)	H Thread. (Class : 2A)
YH3101A10SL-xxxx	21.8	16.2	11.38	14.28	3.96/1.58	38.88	5/8-24UNEF	5/8-24UNEF
YH3101A12S-xxxx	25.0	19.3	14.15	14.28	3.96/1.58	42.87	3/4-20UNEF	5/8-24UNEF
YH3101A12-xxxx	25.0	19.3	14.15	19.05	3.96/1.58	52.37	3/4-20UNEF	5/8-24UNEF
YH3101A14S-xxxx	28.2	22.5	17.33	14.28	3.96/1.58	42.87	7/8-20UNEF	3/4-20UNEF
YH3101A14-xxxx	28.2	22.5	17.33	19.05	3.96/1.58	52.37	7/8-20UNEF	3/4-20UNEF
YH3101A16S-xxxx	31.4	25.6	20.50	14.28	3.96/1.58	42.87	1-20UNEF	7/8-20UNEF
YH3101A16-xxxx	31.4	25.6	20.50	19.05	3.96/1.58	52.37	1-20UNEF	7/8-20UNEF
YH3101A18-xxxx	34.5	28.8	23.68	19.05	5.12/2.39	52.37	1 1/8-18UNEF	1-20UNEF
YH3101A20-xxxx	37.6	32.0	26.88	19.05	5.12/2.39	55.57	1 1/4-18UNEF	1 3/16-18UNEF
YH3101A22-xxxx	41.0	35.2	30.03	19.05	5.12/2.39	55.57	1 3/8-18UNEF	1 3/16-18UNEF
YH3101A24-xxxx	43.8	38.4	33.20	20.63	5.12/2.39	58.72	1 1/2-18UNEF	1 7/16-18UNEF
YH3101A28-xxxx	50.5	44.8	38.77	20.63	5.12/2.39	58.72	1 3/4-18UNS	1 7/16-18UNEF
YH3101A32-xxxx	57.0	51.2	45.12	22.23	9.11/3.18	61.92	2-18UNS	1 3/4-18UNS
YH3101A36-xxxx	63.2	57.5	50.68	22.23	9.11/3.18	61.92	2 1/4-16UN	2-18UNS

Cable Connecting Plug (YH 3101)

YH3101 CLASS “E”, “F”

Includes grommet
and bushing.





UNIT: mm

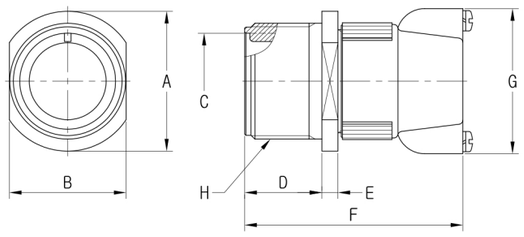
Part Number	A Dia. Max.	B Max.	C Dia. +0.38 -0.00	D +0.79 -0.00	E Max./Min.	F Max.	* G Dia. Max.	H Max.	J Thread. (Class : 2A)
YH3101x10SL-xxxx	21.8	16.2	11.38	14.28	3.96/1.58	57.15	6.5	22.7	5/8-24UNEF
YH3101x12S-xxxx	25.0	19.3	14.15	14.28	3.96/1.58	57.15	6.5	22.7	3/4-20UNEF
YH3101x12-xxxx	25.0	19.3	14.15	19.05	3.96/1.58	66.68	6.5	22.7	3/4-20UNEF
YH3101x14S-xxxx	28.2	22.5	17.33	14.28	3.96/1.58	57.15	9.0	27.5	7/8-20UNEF
YH3101x14-xxxx	28.2	22.5	17.33	19.05	3.96/1.58	66.68	9.0	27.5	7/8-20UNEF
YH3101x16S-xxxx	31.4	25.6	20.50	14.28	3.96/1.58	57.15	11.0	30.0	1-20UNEF
YH3101x16-xxxx	31.4	25.6	20.50	19.05	3.96/1.58	66.68	11.0	30.0	1-20UNEF
YH3101x18-xxxx	34.5	28.8	23.68	19.05	5.12/2.39	68.28	14.2	32.2	1 1/8-18UNEF
YH3101x20-xxxx	37.6	32.0	26.88	19.05	5.12/2.39	69.85	15.8	37.5	1 1/4-18UNEF
YH3101x22-xxxx	41.0	35.2	30.03	19.05	5.12/2.39	69.85	15.8	37.5	1 3/8-18UNEF
YH3101x24-xxxx	43.8	38.4	33.20	20.63	5.12/2.39	75.41	21.4	43.3	1 1/2-18UNEF
YH3101x28-xxxx	50.5	44.8	38.77	20.63	5.12/2.39	76.99	21.4	43.3	1 3/4-18UNS
YH3101x32-xxxx	57.0	51.2	45.12	22.23	9.11/3.18	76.99	26.7	51.7	2-18UNS
YH3101x36-xxxx	63.2	57.5	50.68	22.23	9.11/3.18	83.34	31.7	58.0	2 1/4-16UN

Cable Connecting Plug (YH 3101)

YH3101 CLASS “R”

Includes grommet
and bushing.





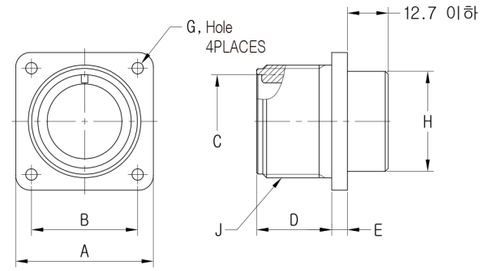
UNIT: mm

Part Number	A Dia. Max.	B Max.	C Dia. +0.38 -0.00	D +0.79 -0.00	E Max./Min.	F Max.	G Max.	H Thread. (Class : 2A)
YH3101R10SL-xxxx	21.8	16.2	11.38	14.28	3.96/1.58	46.69	24.4	5/8-24UNEF
YH3101R12S-xxxx	25.0	19.3	14.15	14.28	3.96/1.58	46.69	24.4	3/4-20UNEF
YH3101R12-xxxx	25.0	19.3	14.15	19.05	3.96/1.58	55.40	24.4	3/4-20UNEF
YH3101R14S-xxxx	28.2	22.5	17.33	14.28	3.96/1.58	46.69	29.0	7/8-20UNEF
YH3101R14-xxxx	28.2	22.5	17.33	19.05	3.96/1.58	55.40	29.0	7/8-20UNEF
YH3101R16S-xxxx	31.4	25.6	20.50	14.28	3.96/1.58	46.69	31.5	1-20UNEF
YH3101R16-xxxx	31.4	25.6	20.50	19.05	3.96/1.58	55.40	31.5	1-20UNEF
YH3101R18-xxxx	34.5	28.8	23.68	19.05	5.12/2.39	55.40	36.6	1 1/8-18UNEF
YH3101R20-xxxx	37.6	32.0	26.88	19.05	5.12/2.39	55.40	39.7	1 1/4-18UNEF
YH3101R22-xxxx	41.0	35.2	30.03	19.05	5.12/2.39	55.40	39.7	1 3/8-18UNEF
YH3101R24-xxxx	43.8	38.4	33.20	20.63	5.12/2.39	55.40	47.4	1 1/2-18UNEF
YH3101R28-xxxx	50.5	44.8	38.77	20.63	5.12/2.39	55.40	47.4	1 3/4-18UNS
YH3101R32-xxxx	57.0	51.2	45.12	22.23	9.11/3.18	58.98	55.9	2-18UNS
YH3101R36-xxxx	63.2	57.5	50.68	22.23	9.11/3.18	58.98	60.8	2 1/4-16UN

Box Mouting Receptacle (YH 3102)

YH3102 CLASS “E”, “R”





UNIT: mm

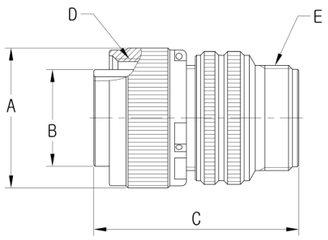
Part Number	A ±0.79	B ±0.12	C Dia. +0.38 -0.00	D +0.79 -0.00	E Max./Min.	G Dia. +0.25 -0.13	H Dia. ±0.1	J Thread. (Class : 2A)
YH3102x10SL-xxxx	25.40	18.26	11.38	14.28	3.96/1.58	3.05	14.5	5/8-24UNEF
YH3102x12S-xxxx	27.79	20.62	14.15	14.28	3.96/1.58	3.05	15.8	3/4-20UNEF
YH3102x12-xxxx	27.79	20.62	14.15	19.05	3.96/1.58	3.05	15.8	3/4-20UNEF
YH3102x14S-xxxx	30.18	23.01	17.33	14.28	3.96/1.58	3.05	19.0	7/8-20UNEF
YH3102x14-xxxx	30.18	23.01	17.33	19.05	3.96/1.58	3.05	19.0	7/8-20UNEF
YH3102x16S-xxxx	32.54	24.61	20.50	14.28	3.96/1.58	3.05	22.0	1-20UNEF
YH3102x16-xxxx	32.54	24.61	20.50	19.05	3.96/1.58	3.05	22.0	1-20UNEF
YH3102x18-xxxx	34.93	26.97	23.68	19.05	5.12/2.39	3.05	26.0	1 1/8-18UNEF
YH3102x20-xxxx	38.10	29.36	26.88	19.05	5.12/2.39	3.05	29.0	1 1/4-18UNEF
YH3102x22-xxxx	41.28	31.75	30.03	19.05	5.12/2.39	3.05	32.0	1 3/8-18UNEF
YH3102x24-xxxx	44.45	34.93	33.20	20.63	5.12/2.39	3.73	35.3	1 1/2-18UNEF
YH3102x28-xxxx	50.80	39.67	38.77	20.63	5.12/2.39	3.73	42.0	1 3/4-18UNS
YH3102x32-xxxx	57.15	44.45	45.12	22.23	9.11/3.18	4.39	47.3	2-18UNS
YH3102x36-xxxx	63.50	49.23	50.68	22.23	9.11/3.18	4.39	53.3	2 1/4-16UN

Straight Plug (YH 3106)

YH3106 CLASS “A”

Can be used with accessories such as
YH3057 at the endbell.
Excludes O-Ring, grommet and bushing.





UNIT: mm

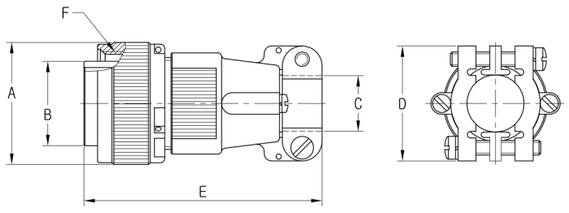
Part Number	A Dia. Max.	B Dia. +0.00 -0.38	C Max.	D Thread. (Class : 2B)	E Thread. (Class : 2A)
YH3106A10SL-xxxx	24.61	11.33	38.88	5/8-24UNEF	5/8-24UNEF
YH3106A12S-xxxx	26.97	14.10	42.87	3/4-20UNEF	5/8-24UNEF
YH3106A12-xxxx	26.97	14.10	52.37	3/4-20UNEF	5/8-24UNEF
YH3106A14S-xxxx	29.36	17.15	42.87	7/8-20UNEF	3/4-20UNEF
YH3106A14-xxxx	29.36	17.15	52.37	7/8-20UNEF	3/4-20UNEF
YH3106A16S-xxxx	31.75	20.45	42.87	1-20UNEF	7/8-20UNEF
YH3106A16-xxxx	31.75	20.45	52.37	1-20UNEF	7/8-20UNEF
YH3106A18-xxxx	34.13	23.62	52.37	1 1/8-18UNEF	1-20UNEF
YH3106A20-xxxx	37.31	26.67	55.57	1 1/4-18UNEF	1 3/16-18UNEF
YH3106A22-xxxx	40.48	29.85	55.57	1 3/8-18UNEF	1 3/16-18UNEF
YH3106A24-xxxx	43.66	33.02	58.72	1 1/2-18UNEF	1 7/16-18UNEF
YH3106A28-xxxx	50.01	38.61	58.72	1 3/4-18UNS	1 7/16-18UNEF
YH3106A32-xxxx	56.36	44.96	61.92	2-18UNS	1 3/4-18UNS
YH3106A36-xxxx	62.71	50.29	61.92	2 1/4-16UN	2-18UNS

Straight Plug (YH 3106)

YH3106 CLASS “E”, “F”

E - Excludes O-Ring
F - Includes O-Ring
Includes grommet
and bushing.





UNIT: mm

Part Number	A Dia. Max.	B Dia. +0.00 -0.38	* C Dia. Max.	D Max.	E Max.	F Thread. (Class : 2B)
YH3106x10SL-xxxx	24.61	11.33	6.5	22.7	57.15	5/8-24UNEF
YH3106x12S-xxxx	26.97	14.10	6.5	22.7	57.15	3/4-20UNEF
YH3106x12-xxxx	26.97	14.10	6.5	22.7	66.68	3/4-20UNEF
YH3106x14S-xxxx	29.36	17.15	9.0	27.5	57.15	7/8-20UNEF
YH3106x14-xxxx	29.36	17.15	9.0	27.5	66.68	7/8-20UNEF
YH3106x16S-xxxx	31.75	20.45	11.0	30.0	57.15	1-20UNEF
YH3106x16-xxxx	31.75	20.45	11.0	30.0	66.68	1-20UNEF
YH3106x18-xxxx	34.13	23.62	14.2	32.2	68.28	1 1/8-18UNEF
YH3106x20-xxxx	37.31	26.67	15.8	37.5	69.85	1 1/4-18UNEF
YH3106x22-xxxx	40.48	29.85	15.8	37.5	69.85	1 3/8-18UNEF
YH3106x24-xxxx	43.66	33.02	21.4	43.3	75.41	1 1/2-18UNEF
YH3106x28-xxxx	50.01	38.61	21.4	43.3	76.99	1 3/4-18UNS
YH3106x32-xxxx	56.36	44.96	26.7	51.7	76.99	2-18UNS
YH3106x36-xxxx	62.71	50.29	31.7	58.0	83.34	2 1/4-16UN

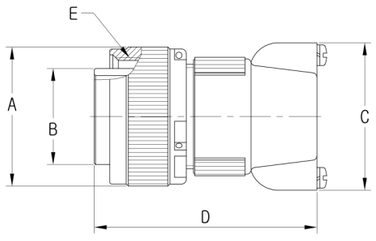
* 적용 케이블 최대 외경임.

Straight Plug (YH 3106)

YH3106 CLASS“R”

Includes O-Ring, grommet
and bushing.





UNIT: mm

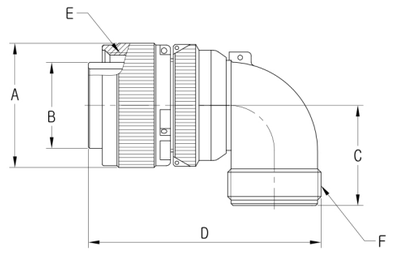
Part Number	A Dia. Max.	B Dia. +0.00 -0.38	C Max.	D Max.	E Thread. (Class : 2B)
YH3106R10SL-xxxx	24.61	11.33	24.4	46.69	5/8-24UNEF
YH3106R12S-xxxx	26.97	14.10	24.4	46.69	3/4-20UNEF
YH3106R12-xxxx	26.97	14.10	24.4	55.40	3/4-20UNEF
YH3106R14S-xxxx	29.36	17.15	29.0	46.69	7/8-20UNEF
YH3106R14-xxxx	29.36	17.15	29.0	55.40	7/8-20UNEF
YH3106R16S-xxxx	31.75	20.45	31.5	46.69	1-20UNEF
YH3106R16-xxxx	31.75	20.45	31.5	55.40	1-20UNEF
YH3106R18-xxxx	34.13	23.62	36.6	55.40	1 1/8-18UNEF
YH3106R20-xxxx	37.31	26.67	39.7	55.40	1 1/4-18UNEF
YH3106R22-xxxx	40.48	29.85	39.7	55.40	1 3/8-18UNEF
YH3106R24-xxxx	43.66	33.02	47.4	55.40	1 1/2-18UNEF
YH3106R28-xxxx	50.01	38.61	47.4	55.40	1 3/4-18UNS
YH3106R32-xxxx	56.36	44.96	55.9	58.98	2-18UNS
YH3106R36-xxxx	62.71	50.29	60.8	58.98	2 1/4-16UN

90° Angle plug (YH 3108)

YH3108 CLASS “A”

Can be used with accessories such as
YH3057 at the endbell.
Excludes O-Ring, grommet and bushing.





UNIT: mm

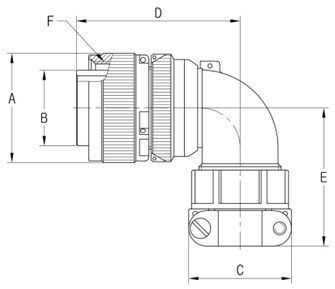
Part Number	A Dia. Max.	B Dia. +0.00 -0.38	C Max.	D Max.	E Thread. (Class : 2B)	F Thread. (Class : 2A)
YH3108A10SL-xxxx	24.61	11.33	25.40	55.58	5/8-24UNEF	5/8-24UNEF
YH3108A12S-xxxx	26.97	14.10	26.97	55.58	3/4-20UNEF	5/8-24UNEF
YH3108A12-xxxx	26.97	14.10	26.97	64.29	3/4-20UNEF	5/8-24UNEF
YH3108A14S-xxxx	29.36	17.15	28.57	58.72	7/8-20UNEF	3/4-20UNEF
YH3108A14-xxxx	29.36	17.15	28.57	68.26	7/8-20UNEF	3/4-20UNEF
YH3108A16S-xxxx	31.75	20.45	30.17	61.11	1-20UNEF	7/8-20UNEF
YH3108A16-xxxx	31.75	20.45	30.17	70.64	1-20UNEF	7/8-20UNEF
YH3108A18-xxxx	34.13	23.62	33.32	72.24	1 1/8-18UNEF	1-20UNEF
YH3108A20-xxxx	37.31	26.67	34.92	82.55	1 1/4-18UNEF	1 3/16-18UNEF
YH3108A22-xxxx	40.48	29.85	34.92	82.55	1 3/8-18UNEF	1 3/16-18UNEF
YH3108A24-xxxx	43.66	33.02	39.67	94.46	1 1/2-18UNEF	1 7/16-18UNEF
YH3108A28-xxxx	50.01	38.61	39.67	94.46	1 3/4-18UNS	1 7/16-18UNEF
YH3108A32-xxxx	56.36	44.96	47.62	106.38	2-18UNS	1 3/4-18UNS
YH3108A36-xxxx	62.71	50.29	52.37	109.14	2 1/4-16UN	2-18UNS

90° Angle Plug (YH 3108)

YH3108 CLASS “E”,“R”

E - Excludes O-Ring
F - Includes O-Ring
Includes grommet and bushing.





UNIT: mm

Part Number	A Dia. Max.	B Dia. +0.00 -0.38	C Max.	D Max.	E Max.	F Thread. (Class : 2B)
YH3108x10SL-xxxx	24.61	11.33	22.7	45.0	38.10	5/8-24UNEF
YH3108x12S-xxxx	26.97	14.10	22.7	45.0	38.10	3/4-20UNEF
YH3108x12-xxxx	26.97	14.10	22.7	54.0	38.10	3/4-20UNEF
YH3108x14S-xxxx	29.36	17.15	27.5	47.0	40.49	7/8-20UNEF
YH3108x14-xxxx	29.36	17.15	27.5	55.0	40.49	7/8-20UNEF
YH3108x16S-xxxx	31.75	20.45	30.0	48.0	42.88	1-20UNEF
YH3108x16-xxxx	31.75	20.45	30.0	57.0	42.88	1-20UNEF
YH3108x18-xxxx	34.13	23.62	32.2	58.0	45.24	1 1/8-18UNEF
YH3108x20-xxxx	37.31	26.67	37.5	61.0	50.01	1 1/4-18UNEF
YH3108x22-xxxx	40.48	29.85	37.5	61.0	50.80	1 3/8-18UNEF
YH3108x24-xxxx	43.66	33.02	43.3	66.0	53.97	1 1/2-18UNEF
YH3108x28-xxxx	50.01	38.61	43.3	66.0	55.58	1 3/4-18UNS
YH3108x32-xxxx	56.36	44.96	51.7	72.0	65.89	2-18UNS
YH3108x36-xxxx	62.71	50.29	58.0	75.0	69.06	2 1/4-16UN

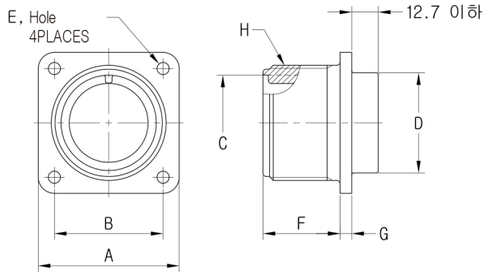
YH5015 Connector CLASS “B” (Split type)

Box Mounting Receptacle (YH 3102)

YH3102 CLASS “B”

Not a waterproof structure.





UNIT: mm

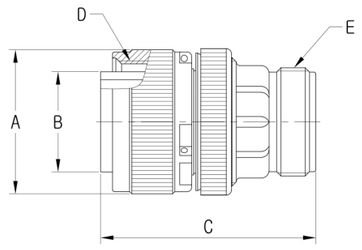
Part Number	A ±0.79	B ±0.12	C Dia. +0.38 -0.00	D Dia. Max.	E Dia. +0.25 -0.13	F +0.79 -0.00	G Max./Min.	H Thread. (Class : 2A)
YH3102B10SL-xxxx	25.40	18.26	11.38	15.9	3.05	14.28	3.96/1.58	5/8-24UNEF
YH3102B12S-xxxx	27.79	20.62	14.15	15.9	3.05	14.28	3.96/1.58	3/4-20UNEF
YH3102B12-xxxx	27.79	20.62	14.15	15.9	3.05	19.05	3.96/1.58	3/4-20UNEF
YH3102B14S-xxxx	30.18	23.01	17.33	19.0	3.05	14.28	3.96/1.58	7/8-20UNEF
YH3102B14-xxxx	30.18	23.01	17.33	19.0	3.05	19.05	3.96/1.58	7/8-20UNEF
YH3102B16S-xxxx	32.54	24.61	20.50	22.2	3.05	14.28	3.96/1.58	1-20UNEF
YH3102B16-xxxx	32.54	24.61	20.50	22.2	3.05	19.05	3.96/1.58	1-20UNEF
YH3102B18-xxxx	34.93	26.97	23.68	25.4	3.05	19.05	5.12/2.39	1 1/8-18UNEF
YH3102B20-xxxx	38.10	29.36	26.88	29.0	3.05	19.05	5.12/2.39	1 1/4-18UNEF
YH3102B22-xxxx	41.28	31.75	30.03	32.2	3.05	19.05	5.12/2.39	1 3/8-18UNEF
YH3102B24-xxxx	44.45	34.93	33.20	35.3	3.73	20.63	5.12/2.39	1 1/2-18UNEF
YH3102B28-xxxx	50.80	39.67	38.77	41.2	3.73	20.63	5.12/2.39	1 3/4-18UNS
YH3102B32-xxxx	57.15	44.45	45.12	47.6	4.39	22.23	9.11/3.18	2-18UNS
YH3102B36-xxxx	63.50	49.23	50.68	52.4	4.39	22.23	9.11/3.18	2 1/4-16UN

Straight Plug (YH 3106)

YH3106 CLASS “B”

Can be used with accessories such as
YH3057 at the endbell.
Endbell may be separated.
Not a waterproof structure.





UNIT: mm

Part Number	A Dia. Max.	B Dia. +0.00 -0.38	C Max.	D Thread. (Class : 2B)	E Thread. (Class : 2A)
YH3106B10SL-xxxx	24.61	11.33	38.88	5/8-24UNEF	5/8-24UNEF
YH3106B12S-xxxx	26.97	14.10	42.87	3/4-20UNEF	5/8-24UNEF
YH3106B12-xxxx	26.97	14.10	52.37	3/4-20UNEF	5/8-24UNEF
YH3106B14S-xxxx	29.36	17.15	42.87	7/8-20UNEF	3/4-20UNEF
YH3106B14-xxxx	29.36	17.15	52.37	7/8-20UNEF	3/4-20UNEF
YH3106B16S-xxxx	31.75	20.45	42.87	1-20UNEF	7/8-20UNEF
YH3106B16-xxxx	31.75	20.45	52.37	1-20UNEF	7/8-20UNEF
YH3106B18-xxxx	34.13	23.62	52.37	1 1/8-18UNEF	1-20UNEF
YH3106B20-xxxx	37.31	26.67	55.57	1 1/4-18UNEF	1 3/16-18UNEF
YH3106B22-xxxx	40.48	29.85	55.57	1 3/8-18UNEF	1 3/16-18UNEF
YH3106B24-xxxx	43.66	33.02	58.72	1 1/2-18UNEF	1 7/16-18UNEF
YH3106B28-xxxx	50.01	38.61	58.72	1 3/4-18UNS	1 7/16-18UNEF
YH3106B32-xxxx	56.36	44.96	61.92	2-18UNS	1 3/4-18UNS
YH3106B36-xxxx	62.71	50.29	61.92	2 1/4-16UN	2-18UNS

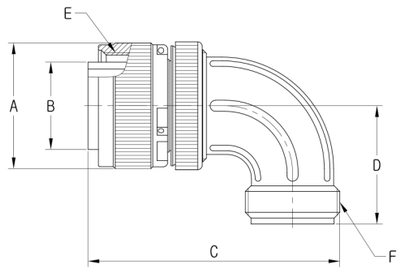
YH5015 Connector CLASS “B” (Split type)

90° Angle Plug (YH 3108)

YH3108 CLASS “B”

Can be used with accessories such as
YH3057 at the endbell.
Endbell may be separated.
Not a waterproof structure.





UNIT: mm

Part Number	A Dia. Max.	B Dia. +0.00 -0.38	C Max.	D Max.	E Thread. (Class : 2B)	F Thread. (Class : 2A)
YH3108B10SL-xxxx	24.61	11.33	46.02	25.40	5/8-24UNEF	5/8-24UNEF
YH3108B12S-xxxx	26.97	14.10	50.80	26.97	3/4-20UNEF	5/8-24UNEF
YH3108B12-xxxx	26.97	14.10	57.15	26.97	3/4-20UNEF	5/8-24UNEF
YH3108B14S-xxxx	29.36	17.15	53.97	29.36	7/8-20UNEF	3/4-20UNEF
YH3108B14-xxxx	29.36	17.15	58.72	29.36	7/8-20UNEF	3/4-20UNEF
YH3108B16S-xxxx	31.75	20.45	60.32	31.75	1-20UNEF	7/8-20UNEF
YH3108B16-xxxx	31.75	20.45	65.07	31.75	1-20UNEF	7/8-20UNEF
YH3108B18-xxxx	34.13	23.62	68.27	33.32	1 1/8-18UNEF	1-20UNEF
YH3108B20-xxxx	37.31	26.67	76.98	34.92	1 1/4-18UNEF	1 3/16-18UNEF
YH3108B22-xxxx	40.48	29.85	86.51	34.92	1 3/8-18UNEF	1 3/16-18UNEF
YH3108B24-xxxx	43.66	33.02	86.51	39.67	1 1/2-18UNEF	1 7/16-18UNEF
YH3108B28-xxxx	50.01	38.61	93.98	39.67	1 3/4-18UNS	1 7/16-18UNEF
YH3108B32-xxxx	56.36	44.96	100.02	47.62	2-18UNS	1 3/4-18UNS
YH3108B36-xxxx	62.71	50.29	120.65	52.37	2 1/4-16UN	2-18UNS

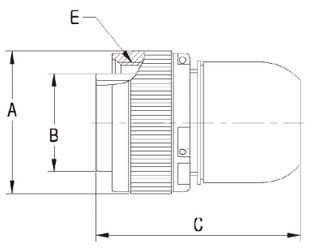
YH5015 Style

Straight Plug (YH 25183)

YH25183

Pot Type.
Includes O-Ring.





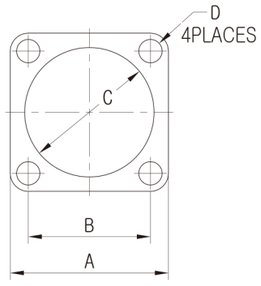
UNIT: mm

Part Number	A Dia. Max.	B Dia. +0.00 -0.38	C Max.	E Thread. (Class : 2B)
YH25183-10SL-xxxx	24.61	11.33	38.10	5/8-24UNEF
YH25183-12S-xxxx	26.97	14.10	38.10	3/4-20UNEF
YH25183-12-xxxx	26.97	14.10	48.41	3/4-20UNEF
YH25183-14S-xxxx	29.36	17.15	38.10	7/8-20UNEF
YH25183-14-xxxx	29.36	17.15	48.41	7/8-20UNEF
YH25183-16S-xxxx	31.75	20.45	38.10	1-20UNEF
YH25183-16-xxxx	31.75	20.45	48.41	1-20UNEF
YH25183-18-xxxx	34.13	23.62	48.41	1 1/8-18UNEF
YH25183-20-xxxx	37.31	26.67	55.52	1 1/4-18UNEF
YH25183-22-xxxx	40.48	29.85	55.52	1 3/8-18UNEF
YH25183-24-xxxx	43.66	33.02	55.52	1 1/2-18UNEF
YH25183-28-xxxx	50.01	38.61	55.52	1 3/4-18UNS
YH25183-32-xxxx	56.36	44.96	55.52	2-18UNS
YH25183-36-xxxx	62.71	50.29	55.52	2 1/4-16UN

Sealing Gasket (YH 52000)

YH 52000 - 1
Size
Part Number





UNIT: mm

Part Number	Shell Size	A +0.40 -0.00	B ±0.25	C Dia. +0.4 -0.0	D Dia. ±0.25
YH52000-1	10SL	25.40	18.26	15.88	4.37
YH52000-2	12	27.79	20.62	19.05	4.37
YH52000-3	14	30.18	23.01	22.23	4.37
YH52000-4	16	32.54	24.61	25.40	4.37
YH52000-5	18	34.93	26.97	28.58	5.16
YH52000-6	20	38.10	29.36	31.75	5.16
YH52000-7	22	41.28	31.75	34.93	5.16
YH52000-8	24	44.45	34.93	38.10	5.16
YH52000-9	28	50.80	39.67	44.45	5.16
YH52000-10	32	57.15	44.45	50.80	5.56
YH52000-11	36	63.50	49.23	57.05	5.56

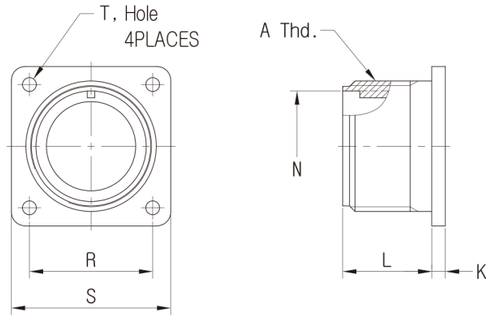
Dummy Receptacle (YH 3105)

YH3105

Dummy receptacle.
Used with YH3106 or YH3108 plug.

YH 3105 - 10S
Size
Part Number





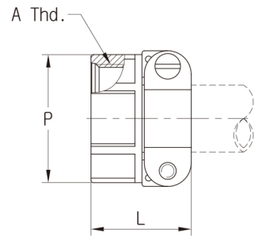
UNIT: mm

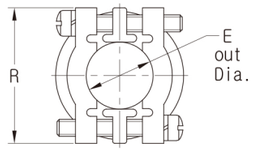
Part Number	A Thread. (Class : 2A)	K Max./Min.	L +0.79 -0.00	N ±0.79	R ±0.12	S ±0.79	T +0.25 -0.13
YH3105-10S	5/8-24UNEF	3.96/1.98	14.27	8.20	18.26	25.40	3.05
YH3105-12S	3/4-20UNEF	3.96/1.98	14.27	11.43	20.62	27.79	3.05
YH3105-12	3/4-20UNEF	3.96/1.98	19.05	11.43	20.62	27.79	3.05
YH3105-14S	7/8-20UNEF	3.96/1.98	14.27	13.36	23.01	30.18	3.05
YH3105-14	7/8-20UNEF	3.96/1.98	19.05	13.36	23.01	30.18	3.05
YH3105-16S	1-20UNEF	3.96/1.98	14.27	16.41	24.61	32.54	3.05
YH3105-16	1-20UNEF	3.96/1.98	19.05	16.41	24.61	32.54	3.05
YH3105-18	1 1/8-18UNEF	3.96/1.98	19.05	19.58	26.97	34.93	3.05
YH3105-20	1 1/4-18UNEF	5.16/2.39	19.05	23.55	29.36	38.10	3.05
YH3105-22	1 3/8-18UNEF	5.16/2.39	19.05	25.93	31.75	41.28	3.05
YH3105-24	1 1/2-18UNEF	5.16/2.39	20.62	29.21	34.93	44.45	3.73
YH3105-28	1 3/4-18UNS	5.16/2.39	20.62	34.67	39.67	50.80	3.73
YH3105-32	2-18UNS	9.12/3.18	22.22	41.15	44.45	57.15	4.39
YH3105-36	2 1/4-16UN	9.12/3.18	22.22	46.56	49.23	63.50	4.39

YH3057 (YH 3057) Cable Clamp

YH 3057 - 4A
Size
Part Number





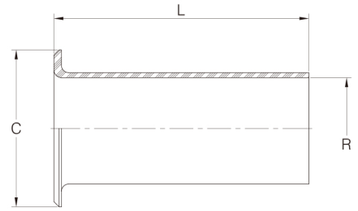


Part Number	Shell Size	E Min.	E Max.	L ±0.79	p ±0.79	R ±0.79	A Thread (Class : 2B)
YH3057-4A	10SL,12S,12	3.56	7.92	20.62	20.62	22.22	5/8-24UNEF
YH3057-6A	14S,14	4.95	11.13	22.22	24.61	26.97	3/4-20UNEF
YH3057-8A	16S,16	6.48	14.27	23.83	27.79	29.36	7/8-20UNEF
YH3057-10A	18	7.24	15.88	23.83	30.18	31.75	1-20UNEF
YH3057-12A	20,22	8.89	19.05	23.83	34.92	37.31	1 3/16-18UNEF
YH3057-16A	24,28	11.89	23.83	26.19	42.06	42.88	1 7/16-18UNEF
YH3057-20A	32	16.87	31.75	27.79	51.59	51.59	1 3/4-18UNS
YH3057-24A	36	17.63	34.92	29.36	56.36	57.94	2-18UNS

YH3420 (YH 3420) Rubber Bushing

YH 3420 - 4
Size
Part Number





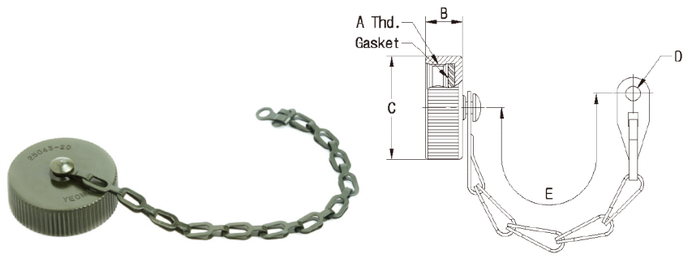
Part Number	Shell Size	C ±0.41	L ±0.79	R ±0.41
YH3420-4	10SL,12,12S	12.83	69.85	5.59
YH3420-6	14,14S	15.72	66.68	7.92
YH3420-8	16,16S	18.90	63.50	11.10
YH3420-10	18	22.58	60.32	14.27
YH3420-12	20,22	27.53	57.15	15.88
YH3420-16	24,28	33.38	53.98	19.05
YH3420-20	32	40.54	50.80	23.80
YH3420-24	36	46.91	47.62	31.75

YH5015 Connector Accessories

YH25043 Protective Cap (Receptacle)

YH 25043 - 18D

- Shell Size
- Part Number



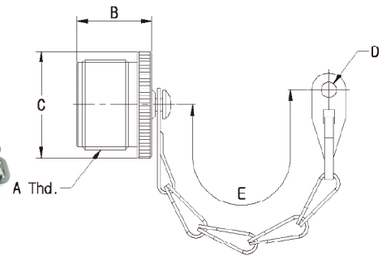
Part Number	Shell Size	B Max.	C Dia Max.	E ±One Link	D Dia +0.25 -0.13	A Thread (Class : 2B)
YH25043-10D	10S,10SL	11.91	20.70	101.6	3.56	5/8-24UNEF
YH25043-12D	12S,12SL	11.91	25.40	114.3	3.56	3/4-20UNEF
YH25043-14D	14,14S	11.91	25.58	114.3	3.56	7/8-20UNEF
YH25043-16D	16,16S	11.91	30.18	114.3	3.56	1-20UNEF
YH25043-18D	18	11.91	34.14	114.3	3.56	1 1/8-18UNEF
YH25043-20D	20	11.91	37.31	127.0	3.56	1 1/4-18UNEF
YH25043-22D	22	11.91	40.49	127.0	3.56	1 3/8-18UNEF
YH25043-24D	24	11.91	43.66	139.7	4.34	1 1/2-18UNEF
YH25043-28D	28	13.49	50.01	196.9	4.34	1 3/4-18UNS
YH25043-32D	32	13.49	56.36	196.9	4.75	2-18UNS
YH25043-36D	36	13.49	62.71	196.9	4.75	2 1/4-16UN

YH25042 Protective Cap (Plug)

YH 25042 - 20D

- Shell Size
- Part Number





Part Number	Shell Size	B Max.	C Dia Max.	E ±One Link	D Dia +0.25 -0.13	A Thread (Class : 2A)
YH25042-10D	10S,10SL	16.66	17.45	114.30	3.96	5/8-24UNEF
YH25042-12D	12S,12SL	21.44	20.62	127.00	3.96	3/4-20UNEF
YH25042-14D	14,14S	21.44	23.80	127.00	3.96	7/8-20UNEF
YH25042-16D	16S,16SL	21.44	26.97	127.00	3.96	1-20UNEF
YH25042-18D	18	21.44	30.15	127.00	3.96	1 1/8-18UNEF
YH25042-20D	20	21.44	33.32	139.70	4.75	1 1/4-18UNEF
YH25042-22D	22	21.44	36.50	139.70	4.75	1 3/8-18UNEF
YH25042-24D	24	21.44	39.67	152.40	4.75	1 1/2-18UNEF
YH25042-28D	28	21.44	46.02	209.55	4.75	1 3/4-18UNS
YH25042-32D	32	21.44	52.37	209.55	5.54	2-18UNS
YH25042-36D	36	21.44	58.72	209.55	5.54	2 1/4-16UN

YH5015 Connector Dust Cap





The polyethylene dust caps provide added protection for precision-built YH connectors during storage and handling, in assembling with equipment, protective caps cover threaded sections of plug and receptacles, assure against damage to thread from any cause permit lowcost, attactive coverings which protect contacts and the insulation from dust, dirt and handling damage.

Part Number	YH3100F,R		YH3102F,R		YH3106/YH3108F,R	
	Coupling End	Solder Pot End	Coupling End	Solder Pot End	Coupling End	Solder Pot End
YH01-90376				8S	8S	
YH02-90376	8S	8S,10S	8S	8S,10S		8S,10S
YH03-90376	10S,10SL	10SL,12S,12	10S,10SL	10SL,12S,12	10SL,12S,12	10SL,12S,12
YH04-90376	12S,12	14S,14	12S,12	14S,14		14S,14
YH05-90376	14S,14	16S,16	14S,14	16S,16		16S,16
YH06-90376				18		
YH07-90376				20	20	
YH08-90376	20		20	22		
YH09-90376	22		22	24		
YH10-90376				28		
YH11-90376				32		
YH12-90376				36		
YH13-90376				40		
YH14-90376				44		
YH15-90376				48		
YH16-90376					10S,10SL	
YH17-90376					12S,12	
YH18-90376					14S,14	
YH19-90376					16S,16	
YH20-90376					18	

Part Number	YH3100F,R		YH3102F,R		YH3106/YH3108F,R	
	Coupling End	Solder Pot End	Coupling End	Solder Pot End	Coupling End	Solder Pot End
YH21-90376					22	
YH22-90376					24	
YH23-90376					28	
YH24-90376					32	
YH25-90376					36	
YH26-90376					40	
YH27-90376					44	
YH28-90376					48	
YH29-90376	16S,16	18	16S,16	48		18
YH30-90376		20,22		36	22	20,22
YH31-90376		24,28		40		24,28
YH32-90376	28	32	28	44		32
YH33-90376	32	36	32	32		36
YH34-90376	36	40	36	24,28		40
YH35-90376	40	44	40	20,22		44
YH36-90376	48		48	18		48
YH37-90376	18		18			
YH38-90376	24		24			
YH39-90376	44	48	44			

YH5015 Connector Insert Arrangements

Shell Size 10



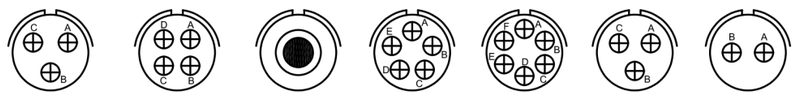
Insert Arrangement	10S-2	10SL-3	10SL-4
Service Rating	A	INST	A
Number of Contacts	1	3	2
Contact Size	16	16	16

Shell Size 12



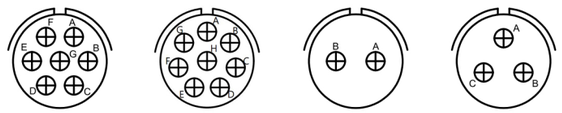
Insert Arrangement	12S-3	12S-4	12-5
Service Rating	A	D	D
Number of Contacts	2	1	1
Contact Size	16	16	12

Shell Size 14



Insert Arrangement	14S-1	14S-2	14-3	14S-5	14S-6	14S-7	14S-9
Service Rating	A	INST	A	INST	INST	A	A
Number of Contacts	3	4	1	5	6	3	2
Contact Size	16	16	8	16	16	16	16

Shell Size 16



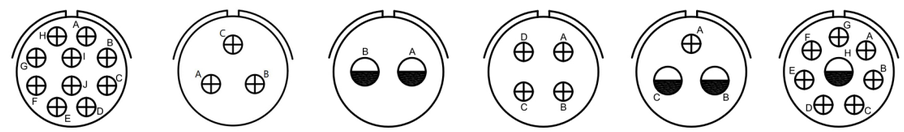
Insert Arrangement	16S-1	16S-01 (Non-standard)	16S-4	16S-5
Service Rating	A	INST	D	A
Number of Contacts	7	8	2	3
Contact Size	16	16	16	16

Shell Size 16



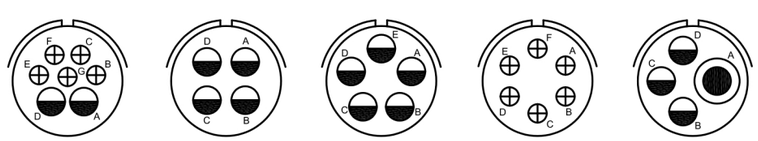
Insert Arrangement	16S-8	16-9	16-10	16-11	16-12	16-13
Service Rating	A	A	A	A	A	A
Number of Contacts	5	2 2	3	2	1	2
Contact Size	16	16 12	12	12	4	12

Shell Size 18



Insert Arrangement	18-1	18-2 (Non-standard)	18-3	18-4	18-5	18-8
Service Rating	A(B,C,F,G) INST(OTHERS)	D	D	D	D	A
Number of Contacts	10	3	2	4	1 2	7 1
Contact Size	16	16	12	16	16 12	16 12

Shell Size 18



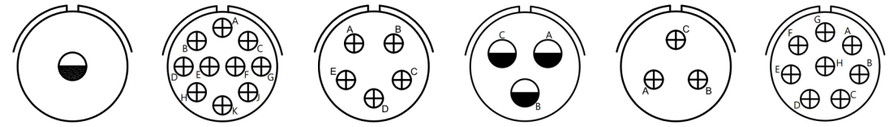
Insert Arrangement	18-9	18-10	18-11	18-12	18-13
Service Rating	INST	A	A	A	A
Number of Contacts	5 2	4	5	6	3 1
Contact Size	16 12	12	12	16	12 8

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-1651 standards.

Contact Legend: 0 4 8 12 16

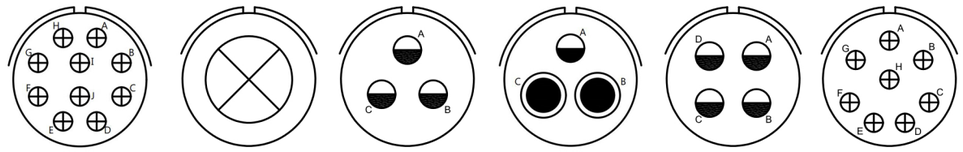
YH5015 Connector Insert Arrangements

Shell Size 18



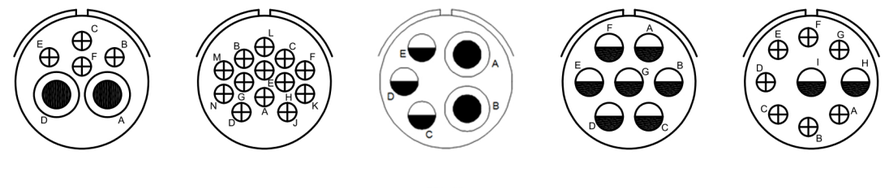
Insert Arrangement	18-16	18-19 (Non-standard)	18-20	18-21 (Non-standard)	18-22	18-32 (Non-standard)
Service Rating	C	INST	A	A	D	A
Number of Contacts	1	10	5	3	3	8
Contact Size	12	16	16	12	16	16

Shell Size 20



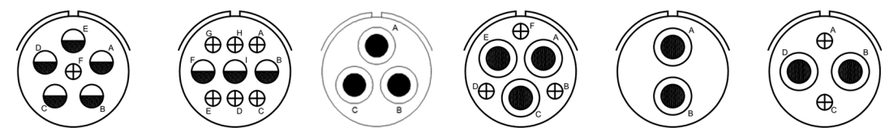
Insert Arrangement	20-01 (Non-standard)	20-2	20-3	20-03 (Non-standard)	20-4	20-7
Service Rating	A	D	D	A	D	A(ALL OTHERS) D(A,B,G,H)
Number of Contacts	10	1	3	1 2	4	8
Contact Size	16	0	12	12 8	12	16

Shell Size 20



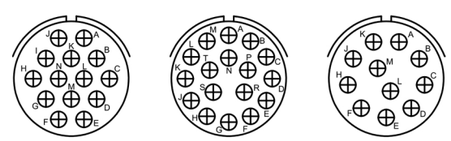
Insert Arrangement	20-8	20-11	20-14	20-15	20-16
Service Rating	INST	INST	A	A	A
Number of Contacts	4 2	13	3 2	7	7 2
Contact Size	16 8	16	12 8	12	16 12

Shell Size 20



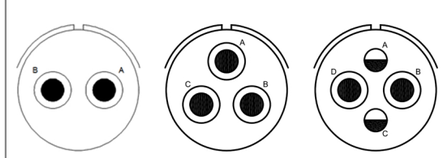
Insert Arrangement	20-17	20-18	20-19	20-22	20-23	20-24
Service Rating	A	A	A	A	A	A
Number of Contacts	1 5	6 3	3	3 3	2	2 2
Contact Size	16 12	16 12	8	16 8	8	16 8

Shell Size 20



Insert Arrangement	20-27	20-29	20-33
Service Rating	A	A	A
Number of Contacts	14	17	11
Contact Size	16	16	16

Shell Size 22



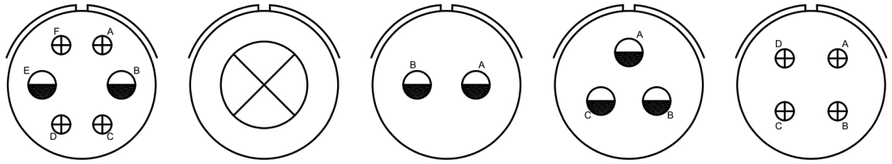
Insert Arrangement	22-1	22-2	22-4
Service Rating	D	D	A
Number of Contacts	2	3	2 2
Contact Size	8	8	12 8

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-1651 standards.

Contact Legend: 0 4 8 12 16

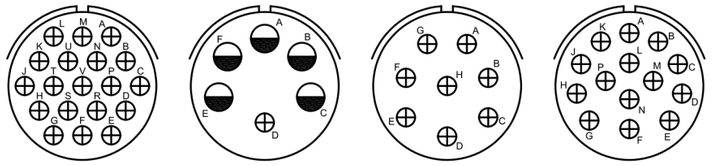
YH5015 Connector Insert Arrangements

Shell Size 22



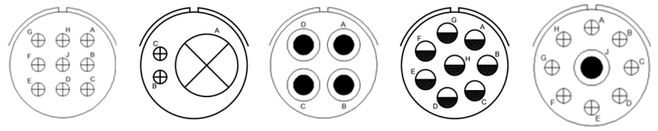
Insert Arrangement	22-5	22-7	22-8	22-9	22-10
Service Rating	D	E	E	E	E
Number of Contacts	4 2	1	2	3	4
Contact Size	16 12	0	12	12	16

Shell Size 22



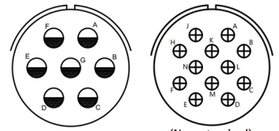
Insert Arrangement	22-14	22-15	22-18	22-19
Service Rating	A	A(ALL OTHERS) D( )	A(C,D,E) D(ALL OTHERS)	A
Number of Contacts	19	1 5	8	14
Contact Size	16	16 12	16	16

Shell Size 22



Insert Arrangement	22-20	22-21	22-22	22-23	22-27
Service Rating	A	A	A	A(ALL OTHERS), D(H)	D(J)
Number of Contacts	9	2 1	4	8	8 1
Contact Size	16	16 0	8	12	16 8

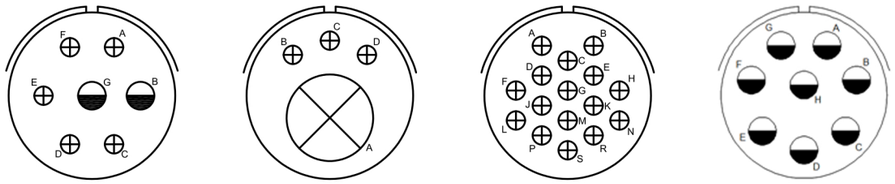
Shell Size 24



Insert Arrangement	24-2	24-03
Service Rating	D	A
Number of Contacts	7	12
Contact Size	12	16

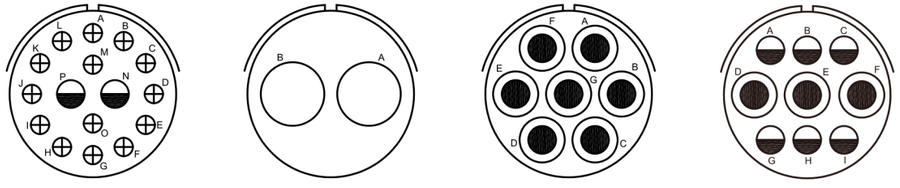
(Non-standard)

Shell Size 24



Insert Arrangement	24-3	24-4	24-5	24-6
Service Rating	D	D	A	A(ALL OTHRES), D(A,G,H)
Number of Contacts	5 2	3 1	16	8
Contact Size	16 12	16 0	16	12

Shell Size 24



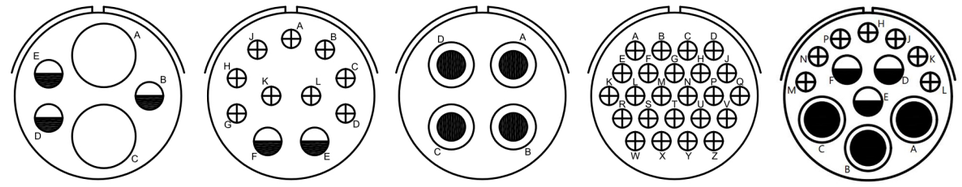
Insert Arrangement	24-7	24-9	24-10	24-11
Service Rating	A	A	A	A
Number of Contacts	14 2	2	7	6 3
Contact Size	16 12	4	8	12 8

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-1651 standards.

Contact Legend: 0 4 8 12 16

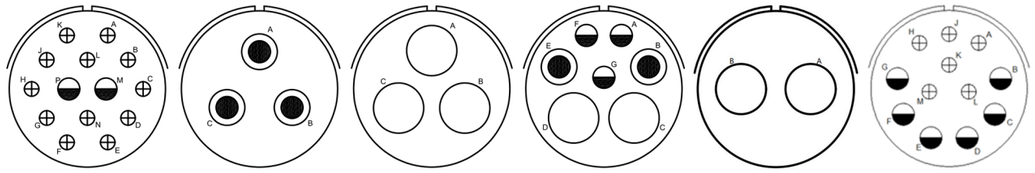
YH5015 Connector Insert Arrangements

Shell Size 24



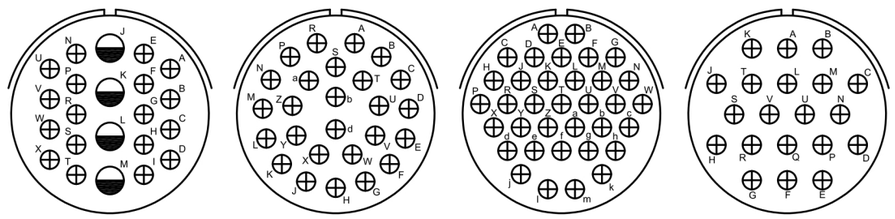
Insert Arrangement	24-12	24-20	24-22	24-28	(Non-standard) 24-58
Service Rating	A	D	A	INST	INST
Number of Contacts	3 2	9 2	4	24	7 3 3
Contact Size	12 4	16 12	8	16	16 12 8

Shell Size 28



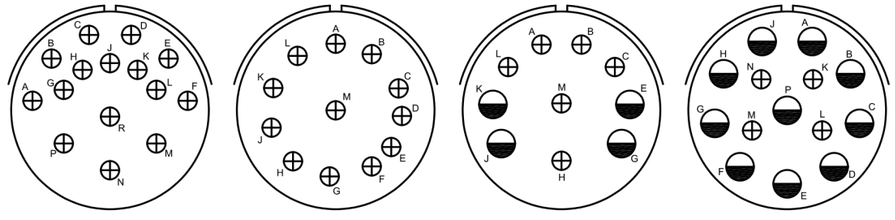
Insert Arrangement	28-2	28-3	28-6	28-10	28-7	(Non-standard) 28-9
Service Rating	D	E	D	A(ALL OTHERS), D(G)	D	D
Number of Contacts	12 2	3	3	3 2 2	2	6 6
Contact Size	16 12	8	4	12 8 4	4	16 12

Shell Size 28



Insert Arrangement	28-11	28-12	28-15	28-16
Service Rating	A	A	A	A
Number of Contacts	18 4	26	35	20
Contact Size	16 12	16	16	16

Shell Size 28



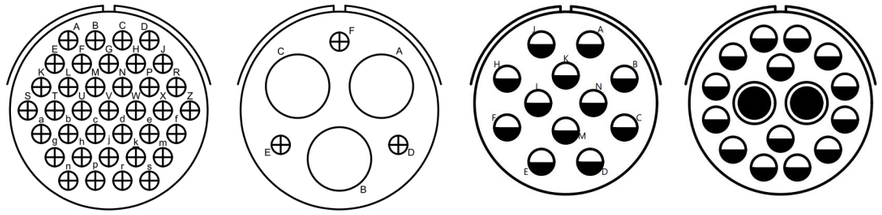
Insert Arrangement	28-17	28-18	28-19	28-20
Service Rating	A(ALL OTHERS) B(R), D(M,N,P)	A(A,B), C(M), INST(C,D,E,F) D(ALL OTHERS)	A(ALL OTHERS) B(H,M), D(A,B)	A
Number of Contacts	15	12	6 4	4 10
Contact Size	16	16	16 12	16 12

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-1651 standards.

Contact Legend: 0 4 8 12 16

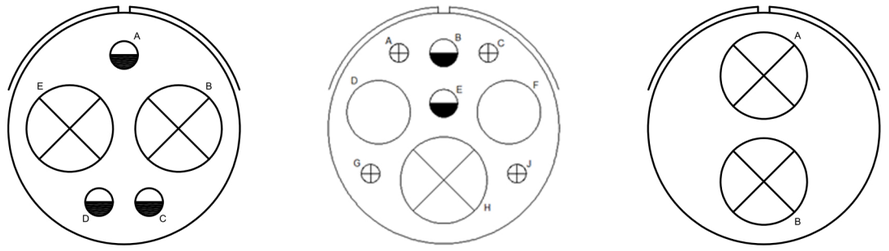
YH5015 Connector Insert Arrangements

Shell Size 28



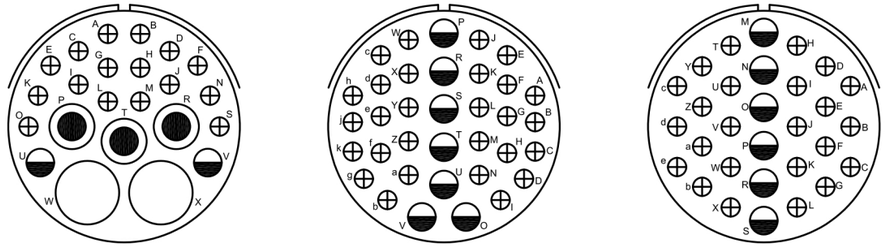
Insert Arrangement	28-21	28-22	28-51	28-66
Service Rating	A	D	D	A
Number of Contacts	37	3 3 16 4	12	14 2 12 8
Contact Size	16		12	

Shell Size 32



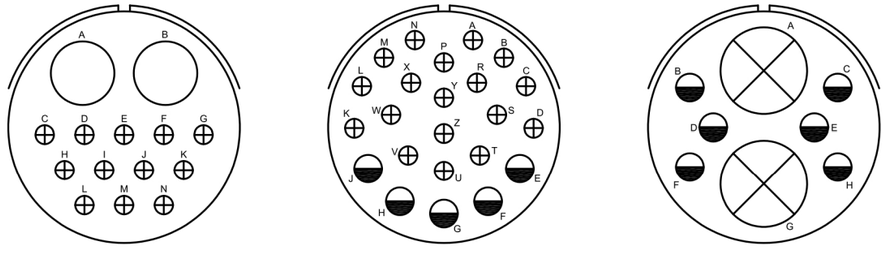
Insert Arrangement	32-1	(Non-standard) 32-3	(Non-standard) 32-5
Service Rating	E(A), D(ALL OTHERS)	D	E
Number of Contacts	3 2 12 0	4 2 2 1 16 12 4 0	2 0
Contact Size			

Shell Size 32



Insert Arrangement	32-6	32-7	32-8
Service Rating	A	A(O,P,S,R,T,U,V), INST(A,B,H,J), (ALL OTHERS)	A
Number of Contacts	16 2 3 2	28 7	24 6
Contact Size	16 12 8 4	16 12	16 12

Shell Size 32



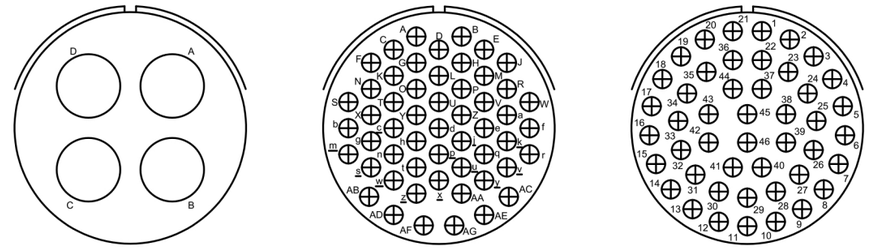
Insert Arrangement	32-9	32-13	32-15
Service Rating	D	D	D
Number of Contacts	12 2 16 4	18 5 16 12	6 2 12 0
Contact Size			

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-1651 standards.

Contact Legend 0 4 8 12 16

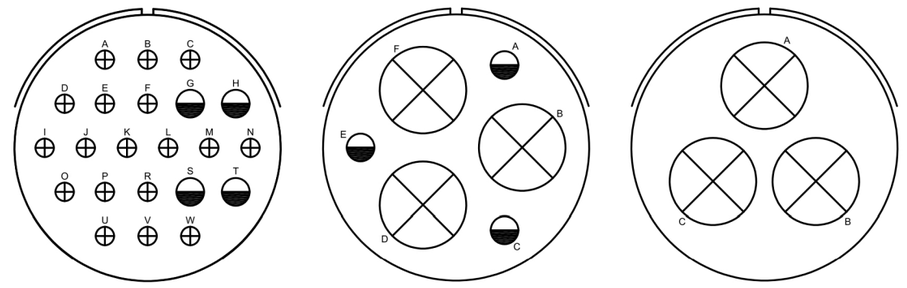
YH5015 Connector Insert Arrangements

Shell Size 32



Insert Arrangement	32-17	32-22	32-73
Service Rating	D	A	A
Number of Contacts	4	54	46
Contact Size	4	16	16

Shell Size 36



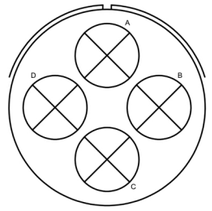
Insert Arrangement	36-1	36-3	36-4
Service Rating	D	D	A(B,C), D(A)
Number of Contacts	18 4	3 3	3
Contact Size	16 12	12 0	0

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-1651 standards.

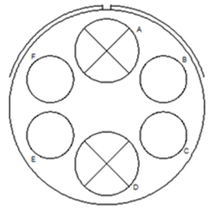
Contact Legend 0 4 8 12 16

YH5015 Connector Insert Arrangements

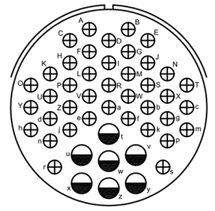
Shell Size 36



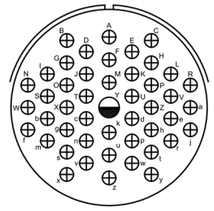
Insert Arrangement	36-5
Service Rating	A
Number of Contacts	4
Contact Size	0



Insert Arrangement	36-6
Service Rating	A
Number of Contacts	4 2
Contact Size	4 0

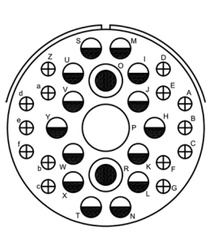


Insert Arrangement	36-7
Service Rating	A
Number of Contacts	40 7
Contact Size	16 12

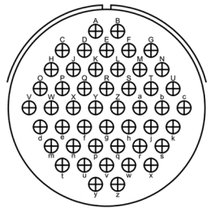


Insert Arrangement	36-8
Service Rating	A
Number of Contacts	46 1
Contact Size	16 12

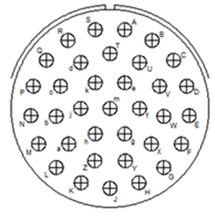
Shell Size 36



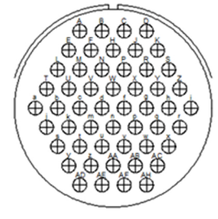
Insert Arrangement	36-9
Service Rating	A
Number of Contacts	14 14 2 1
Contact Size	16 12 8 4



Insert Arrangement	36-10
Service Rating	A
Number of Contacts	48
Contact Size	16

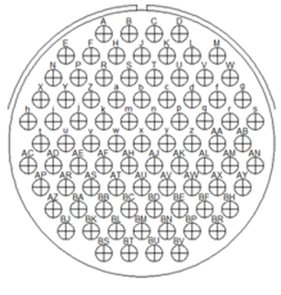


Insert Arrangement	36-15
Service Rating	A(ALL OTHERS), D(M)
Number of Contacts	35
Contact Size	16



Insert Arrangement	36-52
Service Rating	A(ALL OTHERS), D(M)
Number of Contacts	35
Contact Size	16

Shell Size 40



Insert Arrangement	40-56
Service Rating	A
Number of Contacts	85
Contact Size	16

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-1651 standards.

Contact Legend: 0 4 8 12 16

YH5015 Connector Insert Arrangements
Insert Availability and Identification

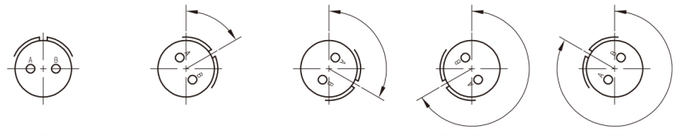
Shell Size	PIN	Pin 20	16	12	8	4	0
	10 size						
10S-2	1		1				
10SL-3	3		3				
10SL-4	2		2				
	12 size						
12S-3	2						
12S-4	1		1				
12-5	1			1			
	14 size						
14S-1	3		3				
14S-2	4		4				
14S-5	5		5				
14S-6	6		6				
14S-7	3		3				
14S-9	2		2				
14-3	1				1		
	16 size						
16-9	4		2	2			
16-10	3			3			
16-11	2			2			
16-12	1					1	
16-13	2			2			
16S-1	7		7				
16S-01	8		8				
16S-4	2		2				
16S-5	3		3				
16S-8	5		5				
	18 size						
18-1	10		10				
18-2	3		3				
18-3	2			2			
18-4	4		4				
18-5	3		1	2			
18-8	8		7	1			
18-9	7		5	2			
18-10	4			4			
18-11	5			5			
18-12	6		6				
18-13	4			3	1		
18-16	1			1			
18-19	10		10				
18-20	5		5				
18-21	3			3			
18-22	3		3				
18-32	8		8				
	20 size						
20-01	10		10				
20-03	3			1	2		
20-2	1						1
20-3	3			3			
20-4	4			4			
20-7	8		8				
20-8	6		4		2		
20-11	13		13				
20-14	5			3	2		
20-15	7			7			
20-16	9		7	2			
20-17	6		1	5			
20-18	9		6	3			
20-19	3				3		
20-22	6		3		3		
20-23	2				2		
20-24	4		2		2		
20-27	14		14				
20-29	17		17				
20-33	11		11				

Shell Size	PIN	Pin 20	16	12	8	4	0
	22 size						
22-1	2				2		
22-2	3				3		
22-4	4			2	2		
22-5	6		4	2			
22-7	1						1
22-8	2			2			
22-9	3			3			
22-10	4		4				
22-14	19		19				
22-15	6		1	5			
22-18	8		8				
22-19	14		14				
22-20	9		9				
22-21	3		2				1
22-22	4				4		
22-23	8			8			
22-27	9		8		1		
	24 size						
24-2	7			7			
24-03	12		12				
24-3	7		5	2			
24-4	4		3				1
24-5	16		16				
24-6	8			8			
24-7	16		14	2			
24-9	2					2	
24-10	7				7		
24-11	9			6	3		
24-12	5			3		2	
24-20	11		9	2			
24-22	4				4		
24-28	24		24				
24-58	13				7	3	3
	28 size						
28-2	14		12	2			
28-3	3				3		
28-6	3						3
28-7	2						2
28-9	12			6	6		
28-10	7			3	2	2	
28-11	22		18	4			
28-12	26		26				
28-15	35		35				
28-16	20		20				
28-17	15		15				
28-18	12		12				
28-19	10		6	4			
28-20	14		4	10			
28-21	37		37				
28-22	6		3			3	
28-51	12			12			
28-66	16			14	2		

Shell Size	PIN	Pin 20	16	12	8	4	0
	32 size						
32-1	5			3			2
32-3	9		4	2		2	1
32-5	2						2
32-6	23		16	2	3	2	
32-7	35		28	7			
32-8	30		24	6			
32-9	14		12			2	
32-13	23		18	5			
32-15	8		6				2
32-17	4					4	
32-22	54		54				
32-73	46		46				
	36 size						
36-1	22		18	4			
36-3	6			3			3
36-4	3						3
36-5	4						4
36-6	6					4	2
36-7	47		40	7			
36-8	47		46	1			
36-9	31		14	14	2	1	
36-10	48		48				
36-15	35		35				
36-52	52		52				
	40 size						
40-56	85		85				

Please make a direct inquiry for the information not contained in the table. (Follow the MIL-STD-1651 standards.)

YH5015 Connector Polarization Positions



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

Shell Size	Insert Arrangement	Service Rating	Total Contact	Contact Size 0	4	8	12	16	Alternate Positions W	X	Y	Z
10S	10S-2	A	1					1	–	–	–	–
	10SL-3	A	3					3	–	–	–	–
	10SL-4	A	2					2	–	–	–	–
12S	12S-3	A	2					2	70	145	215	290
	12S-4	D	1					1	–	–	–	–
12	12-5	D	1				1		–	–	–	–
14S	14S-1	A	3					3	–	–	–	–
	14S-2	Inst	4					4	–	120	240	–
	14S-5	Inst	5					5	–	110	–	–
	14S-6	Inst	6					6	–	–	–	–
	14S-7	A	3					3	90	180	270	–
	14S-9	A	2					2	70	145	215	290
14	14-3	1	1			1			–	–	–	–
16S	16S-1	A	7					7	80	–	–	250
	16S-01	Inst	8					8	–	–	–	–
	16S-4	D	2					2	35	110	250	325
	16S-5	A	3					3	70	145	215	290
	16S-8	A	5					2	–	170	265	–
16	16-9	A	4				2	2	35	110	250	325
	16-10	A	3				3	35	90	180	270	–
	16-11	A	2				2		35	110	150	325
	16-12	A	1		1				–	–	–	–
	16-13	A	2				2		35	110	250	325
18	18-1	A/Inst	10					10	7	145	–	290
	18-2	D	3					3	–	–	–	–
	18-3	D	2				2		35	110	250	325
	18-4	D	4					4	35	110	250	325
	18-5	D	3				2	1	80	110	250	280
	18-8	A	8				1	7	70	–	–	290
	18-9	Inst	7				2	5	80	110	250	280
	18-10	A	4				4		–	120	240	–
	18-11	A	5				5		–	170	265	–
	18-12	A	6					6	80	–	–	280
	18-13	A	4			1	3		80	110	250	280
	18-16	C	1				1		–	–	–	–
	18-19	A	10					10	–	120	240	–
	18-20	A	5					5	90	180	270	–
	18-21	A	3				3		–	–	–	–
	18-22	D	3					3	70	145	215	290
	18-32	A	8					8	70	145	215	290
20	20-01	A	10					10	–	–	–	–
	20-03	A	3				2	1	–	–	–	–
	20-2	D	1		1				–	–	–	–
	20-3	D	3					3		70	145	215	290
	20-4	D	4					4		45	110	250	–
	20-7	A/D	8						8	80	110	250	280
	20-8	Inst	6						4	80	110	250	280
	20-11	Inst	13						13	–	–	–	–
	20-14	A	5				2	3		80	110	250	280
	20-15	A	7					7		80	–	–	280
	20-16	A	9					2	7	80	110	250	280
	20-17	A	6					5	1	90	180	270	–
	20-18	A	9					3	6	35	110	250	325
	20-19	A	3				3			90	180	270	–
	20-22	A	6				3		3	80	110	250	280
	20-23	A	2				2			35	110	250	325
	20-24	A	4				2		2	35	110	250	325
	20-27	A	14						14	35	110	250	325
	20-29	A	17						17	80	–	–	280
	20-33	A	11						11	–	–	–	–
22	22-1	D	2				2			35	110	250	325
	22-2	D	3				3			70	145	215	290
	22-4	A	4				2	2		35	110	250	325
	22-5	D	6				2	4		35	110	250	325
	22-7	E	1		1					–	–	–	–
	22-8	E	2					2		35	110	250	325
	22-9	E	3					3		70	145	215	290
	22-10	E	4						4	35	110	250	325
	22-14	A	19						19	80	110	250	280
	22-15	E/A	6					5	1	80	110	250	280
	22-18	D/A	8						8	80	110	250	280
	22-19	A	14						14	80	110	250	280
	22-20	A	9						9	35	110	250	325
	22-21	A	3		1				2	80	110	250	280
	22-22	A	4				4			–	110	250	–
	22-23	D/A	8					8		80	–	250	280
	22-27	D/A	9				1		8	80	–	250	280
24	24-2	D	7					7		80	–	–	280
	24-03	A	12						12	–	–	–	–
	24-3	D	7					2	5	80	110	250	280
	24-4	D	4		1				3	80	110	250	280
	24-5	A	16						16	80	110	250	280
	24-6	D/A	8					8		80	110	250	280
	24-7	A	16					2	14	80	110	250	280
	24-9	A	2			2				35	110	250	325
	24-10	A	7				7			80	–	–	280
	24-11	A	9				3	6		35	110	250	325
	24-12	A	5			2		3		80	110	250	280
	24-20	D	11					2	9	80	110	250	280
	24-22	D	4				4			45	110	250	–
	24-28	Inst	24						24	80	110	250	280
	24-58	Inst	13	7	3	3				–	–	–	–
32	32-1	E/D	5	2			3			80	110	250	280
	32-3	D	9	1	2			2	4	80	110	250	280
	32-5	D	2	2						80	110	250	325
	32-6	A	23			2	3	2	16	80	110	250	280
	32-7	Inst/A	35					7	28	80	125	235	280
	32-8	A	30					6	24	80	125	235	280
	32-9	D	14			2			12	80	110	250	280
	32-13	D	23					5	18	80	110	250	280
	32-15	D	8	2				6		35	110	250	280
	32-17	D	4		4					45	110	250	–
	32-22	A	54						54	80	110	250	280
	32-73	A	46						46	36	–	–	–
36	36-1	D	22					4	18	80	110	250	280
	36-3	D	6	3				3		70	145	215	290
	36-4	D/A	3	3						70	145	215	290
	36-5	A	4	4						–	120	240	–
	36-6	A	6	2	4					35	110	250	325
	36-7	A	47					7	40	80	110	250	280
	36-8	A	47					1	46	80	110	250	280
	36-9	A	31		1	2	14	14	80	125	235	280
	36-10	A	48					48	80	125	235	280
	36-15	A/D	35					35	60	125	245	305
	36-52	A/D	52					52	72	144	216	288
40	40-56	A	85					85	72	144	216	288



