

ELECTRICAL WET-MATE RUBBER MOULDED CONNECTORS

OCEAN5

An affordable yet reliable interconnect solution by OCEAN 5



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Overview

The OCEAN 5 connector series is developed to provide affordable yet reliable rubber moulded connectors that allow the user to make and break connections both on the surface and underwater.

Manufactured using only high quality materials, the bulkhead connector's metal shell is produced using stainless steel as standard, although other materials are available upon request. Contacts are gold plated providing corrosion resistance.

Specifications

Voltage Rating: 300/ 600 V	Current Rating: Varies with connector model
Contact Resistance: <10 mΩ	Insulation Resistance: >200 MΩ
Depth Rating: 600 bar	Temperature Rating: -40 to 60 °C
Mating Cycles: >500 times	
Moulded Body: Neoprene	Bulkhead Body: SS, Brass, others available
Contacts: Gold plated copper	

Applications

- ✓ Offshore oil and gas, renewable energy and subsea systems
- ✓ Defence systems and equipment
- ✓ Oceanographic systems, equipment and instrumentation solutions
- ✓ Remotely Operated Vehicle (ROV) and Remotely Operated Towed Vehicle (ROTV) systems
- ✓ Underwater camera, video and lighting systems
- ✓ Ocean bottom seismic systems
- ✓ Diving systems and equipment

Options

- Customised harness cables moulded to selected cables
- Customer specified cable, wire leads and bulkhead thread lengths
- Customer specified connector body material
- Certified pressure testing to specific ocean depths

Handling Instructions

- Before disconnecting ensure connectors are free of foreign contaminants. Visually check for and note any damage or abnormalities.
- After disconnecting visually check for and note any damage, cuts or abnormalities.
- Clean any grease, moisture or foreign particles from connectors and sealing surface area.
- In the event the internal contact surfaces are dirty or have been exposed to water, the connector should be flushed with distilled or deionized water and thoroughly dried.
- Electrically test the connector in accordance with the parameters of the system.
- Apply a thin film of an appropriate silicone grease or spray to the sealing surface.
- Cover/protect connector from foreign contaminants until ready to mate.
- Grease must be applied before every mating.
- Make sure the socket of female connector is completely sealed with grease.
- Do not pull cable to disconnect.
- Replace O-ring when reusing connectors.
- Keep the bulkhead O-ring groove clean.
- O-rings with cuts and nicks must be replaced.
- Avoid sharp bending of cable when mating connectors.
- Only qualified technicians should perform installation and torquing operations.
- Torque values specified apply only when connector is installed in a metal housing.
- Torque values listed are maximum values not to be exceeded.
- Locking sleeves are finger/hand tightened only.

Type	Material	ft. lb.	Torque-Nm
UNF 3/8-24	Brass	2.9	4.0
	Stainless steel	4.4	6.0
	Titanium	4.4	6.0
UNF 7/16-20	Brass	7.4	10
	Stainless steel	10.3	14
	Titanium	10.3	14
UNF 1/2-20	Brass	11.0	15.0
	Stainless steel	15.5	21.0
	Titanium	15.5	21.0
UNF 5/8-18	Brass	21.4	29.0
	Stainless steel	30.2	41.0
	Titanium	30.2	41.0
UNF 3/4-16	Brass	32.4	44.0
	Stainless steel	46.5	63.0
	Titanium	46.5	63.0
UNF 7/8-14	Brass	44.3	60.0
	Stainless steel	59.0	80.0
	Titanium	59.0	80.0

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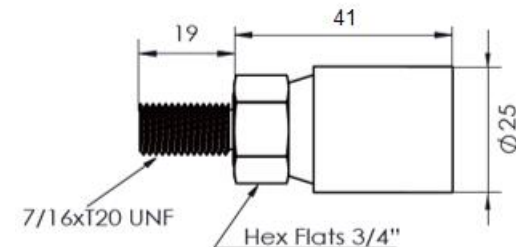
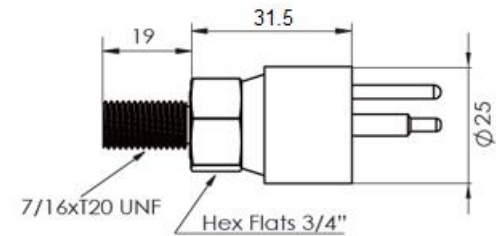
Circular

Bulkhead Connector (BH)

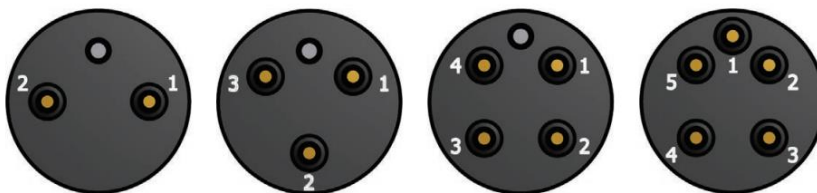
Ways: 2, 3, 4, 5



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 10 A	Bulkhead body: Brass, Stainless Steel 316, Titanium
Current(connector): 30 A	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Guide pin: Stainless Steel 316
Depth rating: 600 bar	Bulkhead leads: AWG 18 PTFE, 30cm
Temperature rating: -40 – 60 °C	O-rings: NBR 2-014



Face view (male)



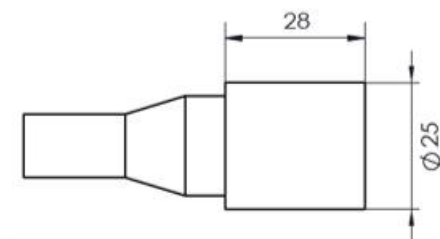
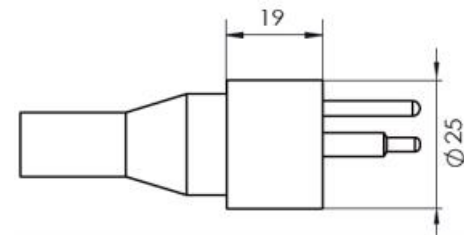
Circular

Inline Connector (IL)

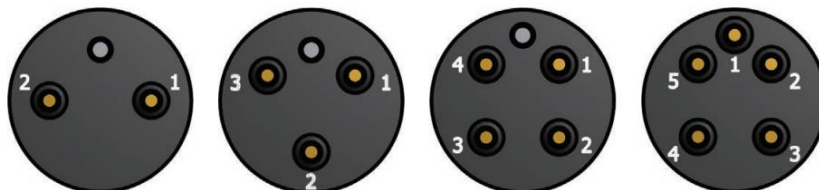
Ways: 2, 3, 4, 5



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 10 A	Contact: Gold Plated Beryllium Copper
Current(connector): 30 A	Socket: Gold Plated Brass
Insulation resistance: >200 Mohm	Guide pin: Stainless Steel 316
Contact resistance: <0.01 ohm	Inline cable: AWG 18 Neoprene, 60cm
Depth rating: 600 bar	O-rings: N/A
Temperature rating: -40 – 60 °C	



Face view (male)



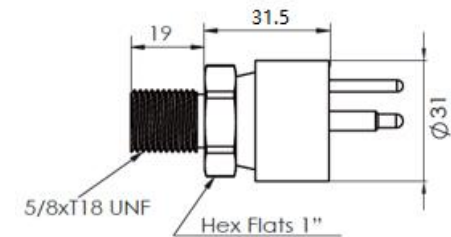
Circular

Bulkhead Connector (BH)

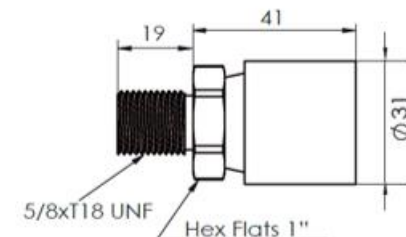
Ways: 6, 8, 10



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 10 A	Bulkhead body: Brass, Stainless Steel 316, Titanium
Current(connector): 50 A	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Guide pin: Stainless Steel 316
Depth rating: 600 bar	Bulkhead leads: AWG 18 PTFE, 30cm
Temperature rating: -40 – 60 °C	O-rings: NBR 2-017



Face view (male)



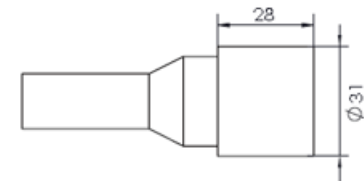
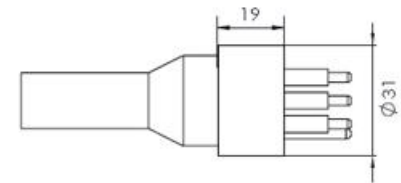
Circular

Inline Connector (IL)

Ways: 6, 8, 10



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 10 A	Contact: Gold Plated Brass
Current(connector): 50 A	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Inline cable: AWG 18 Neoprene, 60cm
Depth rating: 600 bar	O-rings: N/A
Temperature rating: -40 – 60 °C	



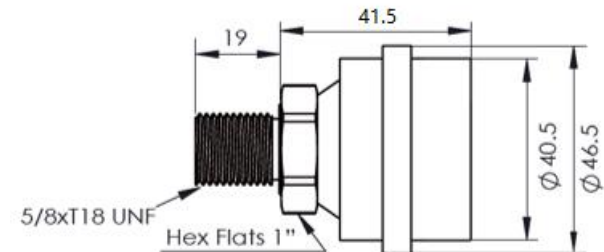
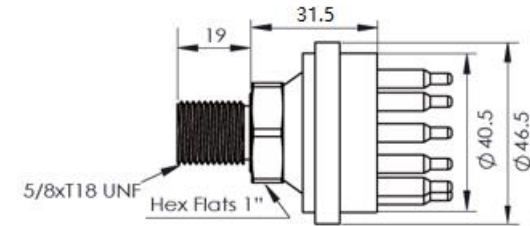
Face view (male)



Circular

Bulkhead Connector (BH)

Ways: 12, 16



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 10 A	Bulkhead body: Brass, Stainless Steel 316, Titanium
Current(connector): 60 A	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Guide pin: Stainless Steel 316
Depth rating: 600 bar	Bulkhead leads: AWG 18 PTFE, 30cm
Temperature rating: -40 – 60 °C	O-rings: NBR 2-017

Face view (male)



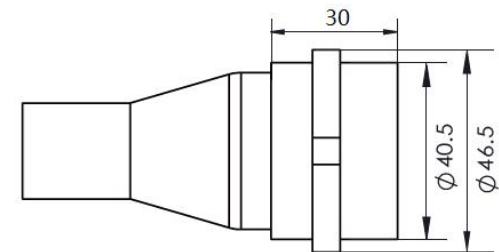
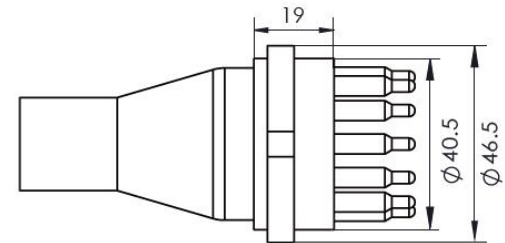
Circular

Inline Connector (IL)

Ways: 12, 16, 25



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 10 A (12, 16-way) 3 contacts 10 A, 22 contacts 5 A (25-way)	Contact: Gold Plated Brass
Current(connector): 60 A	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Inline cable: AWG 18 Neoprene, 60cm
Depth rating: 600 bar	O-rings: N/A
Temperature rating: -40 – 60 °C	



Face view (male)



Circular

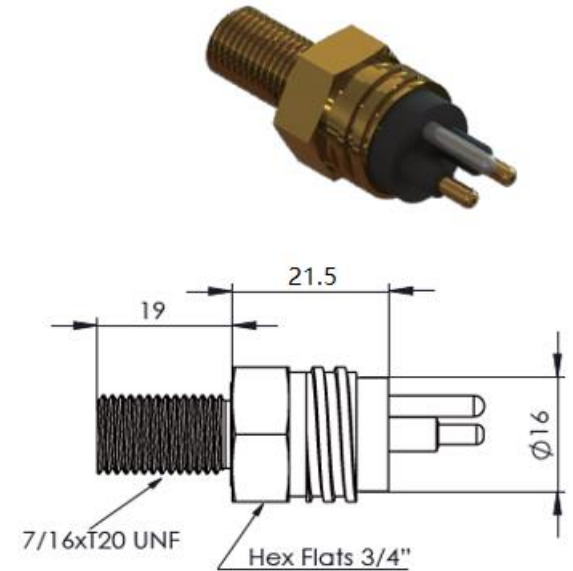
Micro Bulkhead Connector (MCBH)

Ways: 2, 3, 4, 5, 6, 8



Operating Specification	Material Specification
Voltage: 300 V	Connector body: Chloroprene Rubber
Current(contact): 10 A for 2, 3, 4-way 5 A for 5, 6, 8-way	Bulkhead body: Brass, Stainless Steel 316, Titanium
Current(connector): 20 A	Contact: Gold Plated Brass
Insulation resistance: >200 Mohm	Socket: Beryllium Copper
Contact resistance: <0.01 ohm	Guide pin: Stainless Steel 316
Depth rating: 600 bar	Bulkhead leads: AWG 18 PTFE, 30cm for 2, 3, 4-way AWG 20 PTFE, 30cm for 5, 6, 8-way
Temperature rating: -40 – 60 °C	O-rings: NBR 2-014

Face view (male)



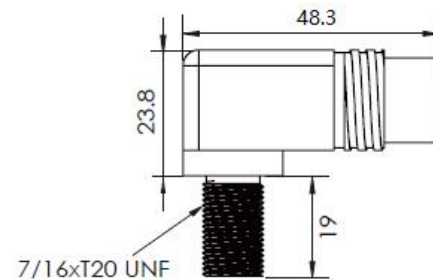
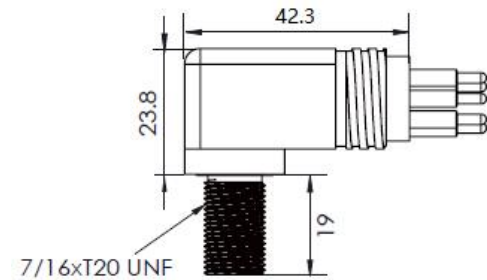
Circular

Micro Bulkhead RA Connector (MCBHRA)

Ways: 2, 3, 4, 5, 6, 8



Operating Specification	Material Specification
Voltage: 300 V	Connector body: Chloroprene Rubber
Current(contact): 10 A for 2, 3, 4-way 5 A for 5, 6, 8-way	Bulkhead body: Brass, Stainless Steel 316, Titanium
Current(connector): 20 A	Contact: Gold Plated Brass
Insulation resistance: >200 Mohm	Socket: Beryllium Copper
Contact resistance: <0.01 ohm	Guide pin: Stainless Steel 316
Depth rating: 600 bar	Bulkhead leads: AWG 18 PTFE, 30cm for 2, 3, 4-way AWG 20 PTFE, 30cm for 5, 6, 8-way
Temperature rating: -40 – 60 °C	O-rings: NBR 2-014



Face view (male)



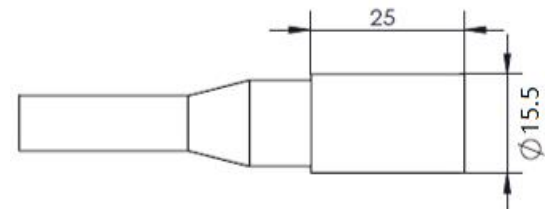
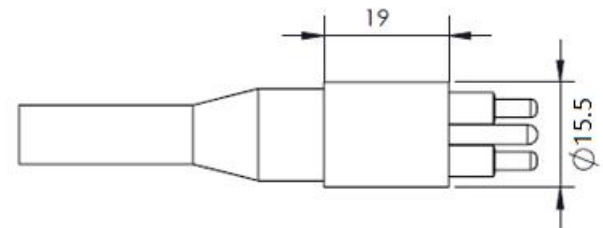
Circular

Micro Inline Connector (MCIL)

Ways: 2, 3, 4, 5, 6, 8



Operating Specification	Material Specification
Voltage: 300 V	Connector body: Chloroprene Rubber
Current(contact): 5 A	Contact: Gold Plated Beryllium Copper
Current(connector): 20 A	Socket: Gold Plated Brass
Insulation resistance: >200 Mohm	Guide pin: Stainless Steel 316
Contact resistance: <0.01 ohm	Inline cable: AWG 18 Neoprene, 60cm
Depth rating: 600 bar	O-rings: N/A
Temperature rating: -40 – 60 °C	



Face view (male)



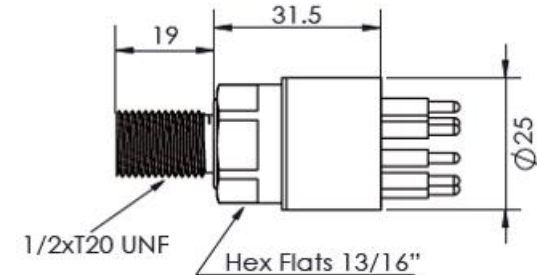
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Micro Bulkhead Connector (MCBH)

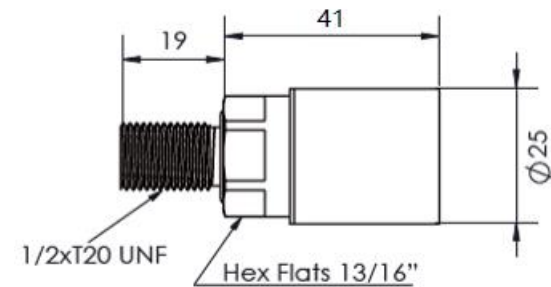
Ways: 10, 12, 16



Operating Specification	Material Specification
Voltage: 300 V	Connector body: Chloroprene Rubber
Current(contact): 5 A	Bulkhead body: Brass, Stainless Steel 316, Titanium
Current(connector): 30 A	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Guide pin: N/A
Depth rating: 600 bar	Bulkhead leads: AWG 20 PTFE, 30cm
Temperature rating: -40 – 60 °C	O-rings: NBR 2-015



Gold Plated Brass



Face view (male)



Circular

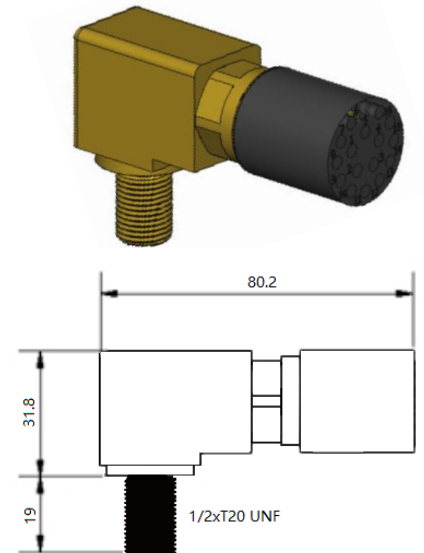
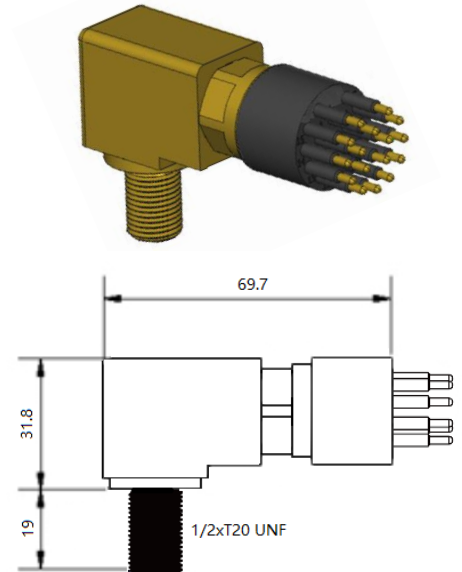
Micro Bulkhead RA Connector (MCBHRA)

Ways: 10, 12, 16



Operating Specification	Material Specification
Voltage: 300 V	Connector body: Chloroprene Rubber
Current(contact): 5 A	Bulkhead body: Brass, Stainless Steel 316, Titanium
Current(connector): 30 A	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Guide pin: N/A
Depth rating: 600 bar	Bulkhead leads: AWG 20 PTFE, 30cm
Temperature rating: -40 – 60 °C	O-rings: NBR 2-015

Face view (male)



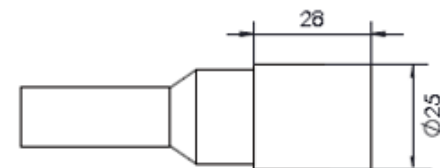
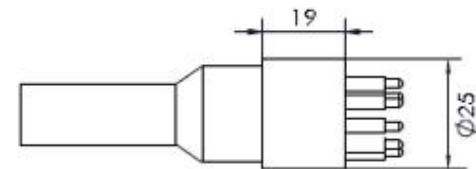
Circular

Micro Inline Connector (MCIL)

Ways: 10, 12, 16



Operating Specification	Material Specification
Voltage: 300 V	Connector body: Chloroprene Rubber
Current(contact): 5 A	Contact: Gold Plated Beryllium Copper
Current(connector): 30 A	Socket: Gold Plated Brass
Insulation resistance: >200 Mohm	Guide pin: N/A
Contact resistance: <0.01 ohm	Inline cable: AWG 18 Neoprene, 60cm
Depth rating: 600 bar	O-rings: N/A
Temperature rating: -40 – 60 °C	



Face view (male)



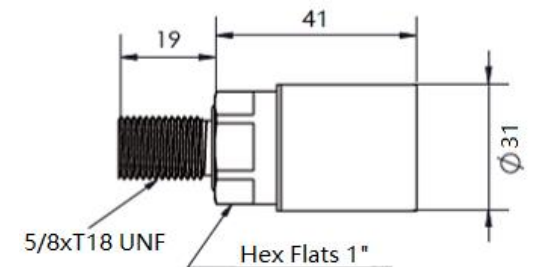
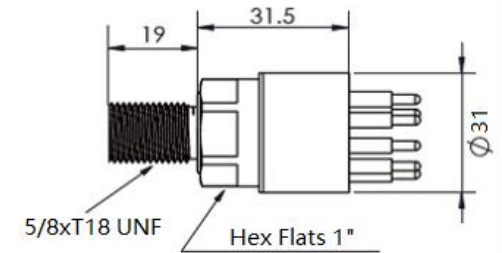
Circular

Micro Bulkhead Connector
(MCBH)
Ways: 21



Operating Specification	Material Specification
Voltage: 300 V	Connector body: Chloroprene Rubber
Current(contact): 5 A	Bulkhead body: Brass, Stainless Steel 316, Titanium
Current(connector): 40 A	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Guide pin: N/A
Depth rating: 600 bar	Bulkhead leads: AWG 20 PTFE, 30cm
Temperature rating: -40 – 60 °C	O-rings: NBR 2-015

Face view (male)



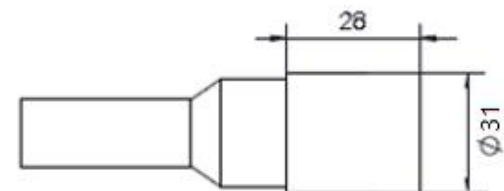
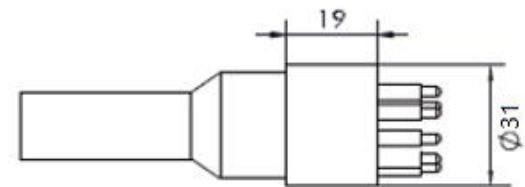
Circular

Micro Inline Connector (MCIL)

Ways: 21



Operating Specification	Material Specification
Voltage: 300 V	Connector body: Chloroprene Rubber
Current(contact): 5 A	Contact: Gold Plated Beryllium Copper
Current(connector): 40 A	Socket: Gold Plated Brass
Insulation resistance: >200 Mohm	Guide pin: N/A
Contact resistance: <0.01 ohm	Inline cable: AWG 18 Neoprene, 60cm
Depth rating: 600 bar	O-rings: N/A
Temperature rating: -40 – 60 °C	



Face view (male)



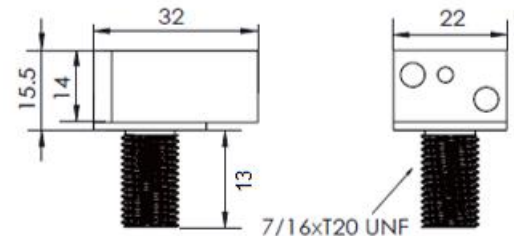
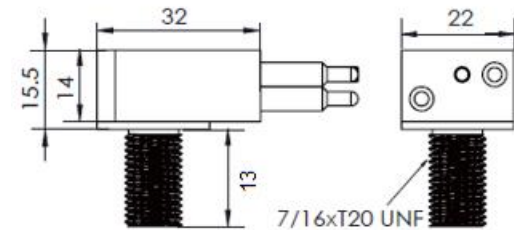
Low Profile

Bulkhead Connector (LPBH)

Ways: 2



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 10 A	Bulkhead body: Brass, Stainless Steel 316, Titanium
Current(connector): 20 A	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Guide pin: Stainless Steel 316
Depth rating: 600 bar	Bulkhead leads: AWG 18 PTFE, 30cm
Temperature rating: -40 – 60 °C	O-rings: NBR 2-014



Face view (male)



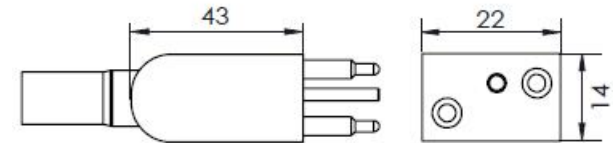
Low Profile

Inline Connector (LPIL)

Ways: 2



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 10 A	Contact: Gold Plated Beryllium Copper
Current(connector): 20 A	Socket: Gold Plated Brass
Insulation resistance: >200 Mohm	Guide pin: Stainless Steel 316
Contact resistance: <0.01 ohm	Inline cable: AWG 18 Neoprene, 60cm
Depth rating: 600 bar	O-rings: N/A
Temperature rating: -40 – 60 °C	



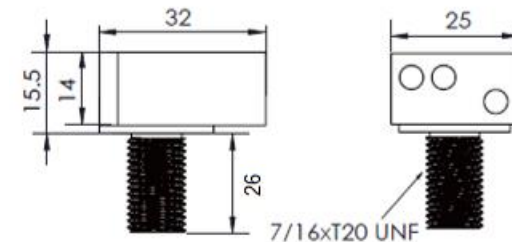
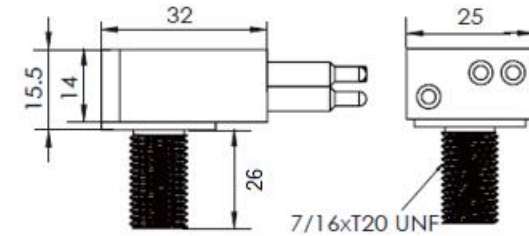
Face view (male)



Low Profile

Bulkhead Connector (LPBH)

Ways: 3 and 4



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 10 A	Bulkhead body: Brass, Stainless Steel 316, Titanium
Current(connector): 30A/ 40 A	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Guide pin: N/A
Depth rating: 600 bar	Bulkhead leads: AWG 18 PTFE, 30cm
Temperature rating: -40 – 60 °C	O-rings: NBR 2-014

Face view (male)



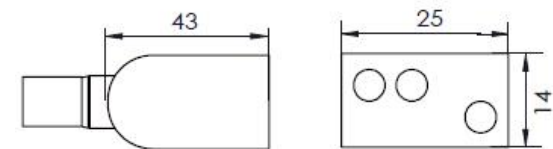
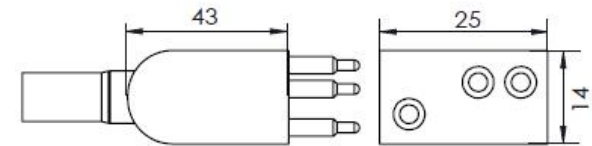
Low Profile

Inline Connector (LPIL)

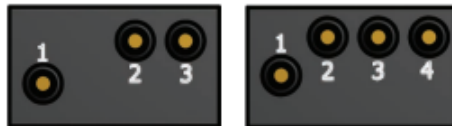
Ways: 3 and 4



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 10 A	Contact: Gold Plated Beryllium Copper
Current(connector): 30A/ 40 A	Socket: Gold Plated Brass
Insulation resistance: >200 Mohm	Guide pin: N/A
Contact resistance: <0.01 ohm	Inline cable: AWG 18 Neoprene, 60cm
Depth rating: 600 bar	O-rings: N/A
Temperature rating: -40 – 60 °C	



Face view (male)



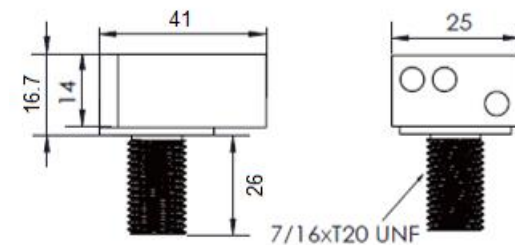
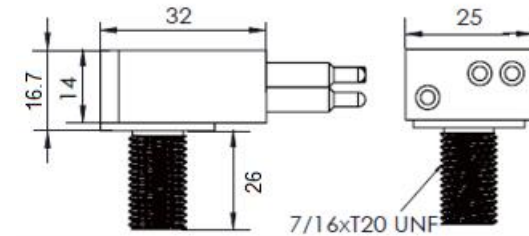
Low Profile

Bulkhead Connector (LPBH)

Ways: 5



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 10 A	Bulkhead body: Brass, Stainless Steel 316, Titanium
Current(connector): 40 A	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Guide pin: N/A
Depth rating: 600 bar	Bulkhead leads: AWG 18 PTFE, 30cm
Temperature rating: -40 – 60 °C	O-rings: NBR 2-014



Face view (male)



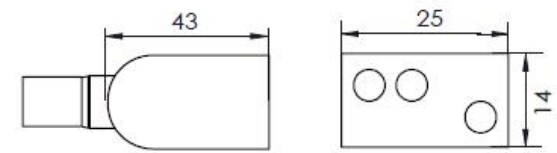
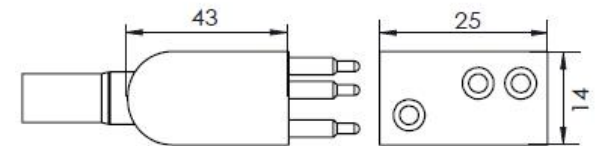
Low Profile

Inline Connector (LPIL)

Ways: 5



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 10 A	Contact: Gold Plated Beryllium Copper
Current(connector): 40 A	Socket: Gold Plated Brass
Insulation resistance: >200 Mohm	Guide pin: N/A
Contact resistance: <0.01 ohm	Inline cable: AWG 18 Neoprene, 60cm
Depth rating: 600 bar	O-rings: N/A
Temperature rating: -40 – 60 °C	



Face view (male)



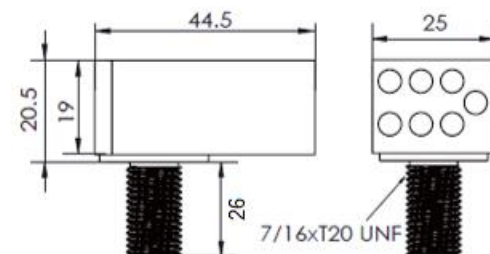
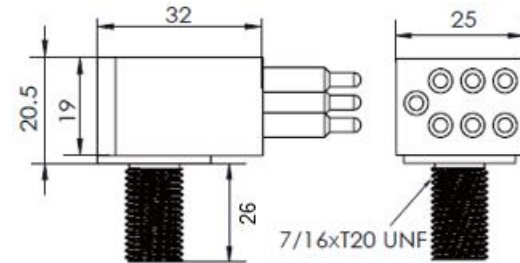
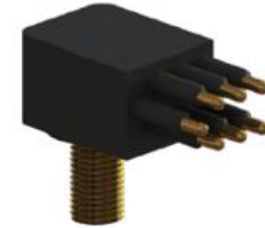
Low Profile

Bulkhead Connector (LPBH)

Ways: 7



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 10 A	Bulkhead body: Brass, Stainless Steel 316, Titanium
Current(connector): 40 A	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Guide pin: N/A
Depth rating: 600 bar	Bulkhead leads: AWG 18 PTFE, 30cm
Temperature rating: -40 – 60 °C	O-rings: NBR 2-014



Face view (male)



Low Profile

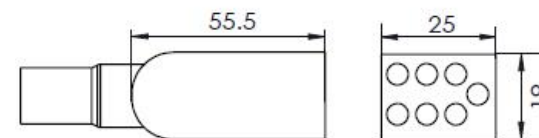
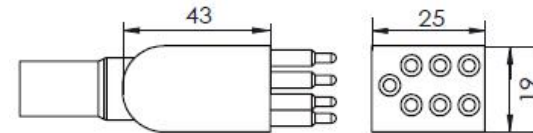
Inline Connector (LPIL)

Ways: 7



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 10 A	Contact: Gold Plated Beryllium Copper
Current(connector): 40 A	Socket: Gold Plated Brass
Insulation resistance: >200 Mohm	Guide pin: N/A
Contact resistance: <0.01 ohm	Inline cable: AWG 18 Neoprene, 60cm
Depth rating: 600 bar	O-rings: N/A
Temperature rating: -40 – 60 °C	

Face view (male)



Low Profile

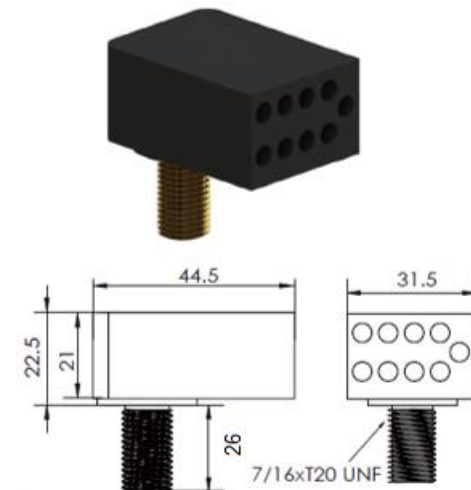
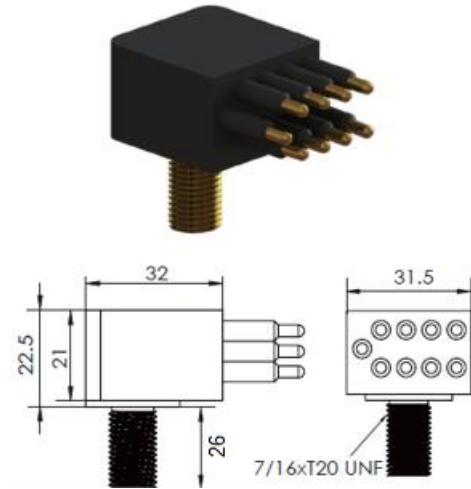
Bulkhead Connector (LPBH)

Ways: 9



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 10 A	Bulkhead body: Brass, Stainless Steel 316, Titanium
Current(connector): 40 A	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Guide pin: N/A
Depth rating: 600 bar	Bulkhead leads: AWG 18 PTFE, 30cm
Temperature rating: -40 – 60 °C	O-rings: NBR 2-014

Face view (male)



Low Profile

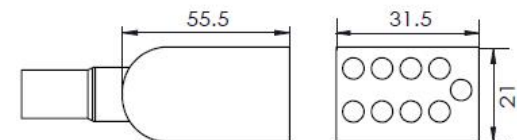
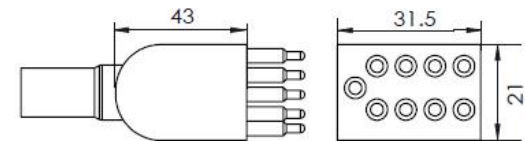
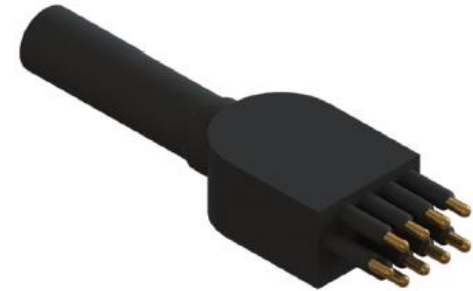
Inline Connector (LPIL)

Ways: 9



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 10 A	Contact: Gold Plated Beryllium Copper
Current(connector): 40 A	Socket: Gold Plated Brass
Insulation resistance: >200 Mohm	Guide pin: N/A
Contact resistance: <0.01 ohm	Inline cable: AWG 18 Neoprene, 60cm
Depth rating: 600 bar	O-rings: N/A
Temperature rating: -40 – 60 °C	

Face view (male)



Low Profile

Micro Bulkhead Connector

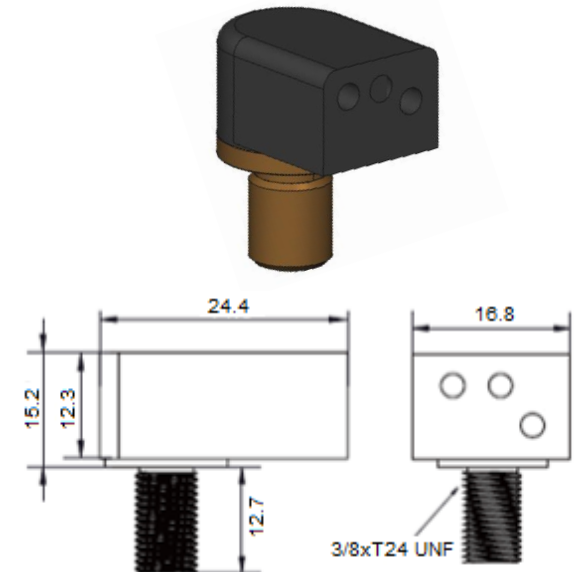
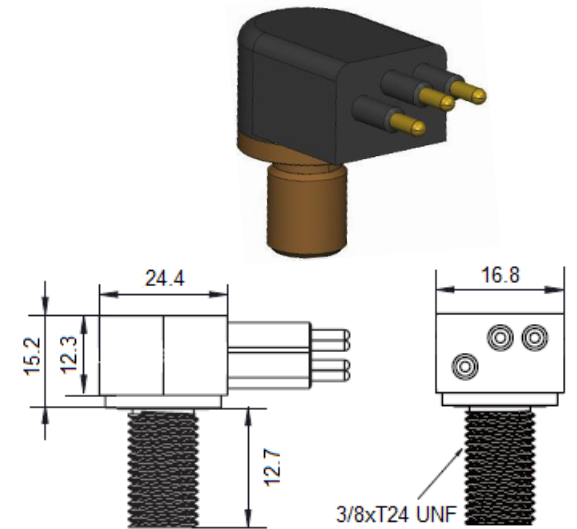
(MCLPBH)

Ways: 3



Operating Specification	Material Specification
Voltage: 300 V	Connector body: Chloroprene Rubber
Current(contact): 5 A	Bulkhead body: Brass, Stainless Steel 316, Titanium
Current(connector): 10 A	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Guide pin: N/A
Depth rating: 600 bar	Bulkhead leads: AWG 20 PTFE, 30cm
Temperature rating: 4 – 60 °C	O-rings: NBR 2-014

Face view (male)

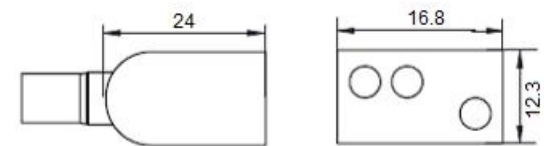
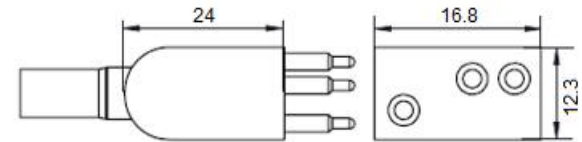


Low Profile

Micro Inline Connector
(LPMIL)
Ways: 3



Operating Specification	Material Specification
Voltage: 300 V	Connector body: Chloroprene Rubber
Current(contact): 5 A	Contact: Gold Plated Beryllium Copper
Current(connector): 10 A	Socket: Gold Plated Brass
Insulation resistance: >200 Mohm	Guide pin: N/A
Contact resistance: <0.01 ohm	Inline cable: AWG 18 Neoprene, 60cm
Depth rating: 600 bar	O-rings: N/A
Temperature rating: 4 – 60 °C	



Face view (male)



Low Profile

Micro Bulkhead Connector

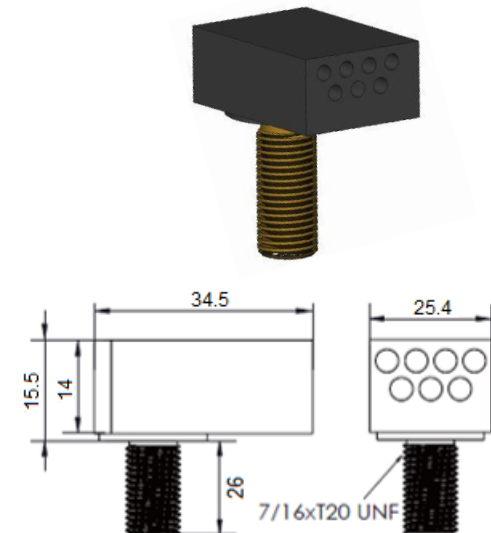
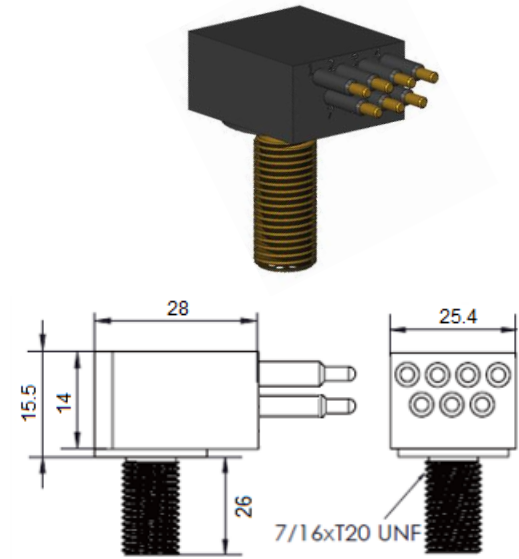
(MCLPBH)

Ways: 7 and 9



Operating Specification	Material Specification
Voltage: 300 V	Connector body: Chloroprene Rubber
Current(contact): 5 A	Bulkhead body: Brass, Stainless Steel 316, Titanium
Current(connector): 20 A	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Guide pin: N/A
Depth rating: 600 bar	Bulkhead leads: AWG 20 PTFE, 30cm
Temperature rating: 4 – 60 °C	O-rings: NBR 2-014

Face view (male)

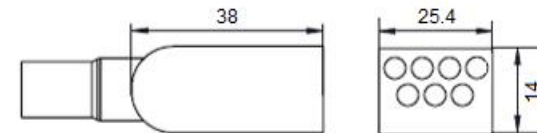
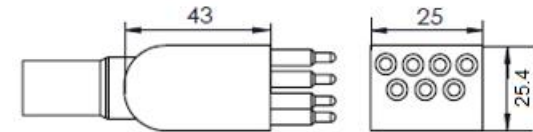


Low Profile

Micro Inline Connector
(LPMIL)
Ways: 7 and 9



Operating Specification	Material Specification
Voltage: 300 V	Connector body: Chloroprene Rubber
Current(contact): 5 A	Contact: Gold Plated Beryllium Copper
Current(connector): 20 A	Socket: Gold Plated Brass
Insulation resistance: >200 Mohm	Guide pin: N/A
Contact resistance: <0.01 ohm	Inline cable: AWG 18 Neoprene, 60cm
Depth rating: 600 bar	O-rings: N/A
Temperature rating: 4 – 60 °C	



Face view (male)



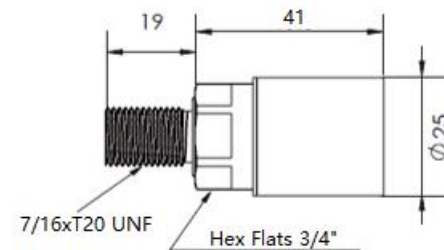
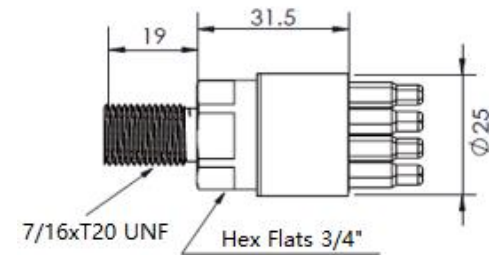
Ethernet

Bulkhead Connector (DBH8)

Ways: 8



Operating Specification	Material Specification
Voltage: 250 V	Connector body: Chloroprene Rubber
Data rate: >1 Gbit/s	Bulkhead body: Brass, Stainless Steel 316, Titanium
Insulation resistance: >200 Mohm	Contact: Gold Plated Beryllium Copper
Contact resistance: <0.01 ohm	Socket: Gold Plated Brass
Depth rating: 600 bar	Bulkhead leads: CAT 5E cable, 100cm
Temperature rating: -40 – 60 °C	O-rings: NBR 2-014



Face view (male)



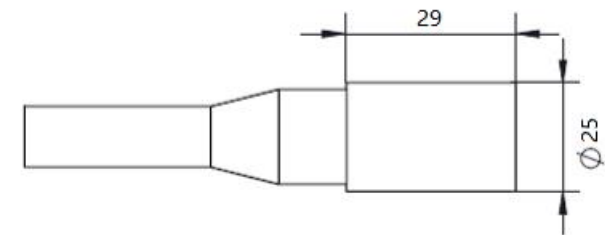
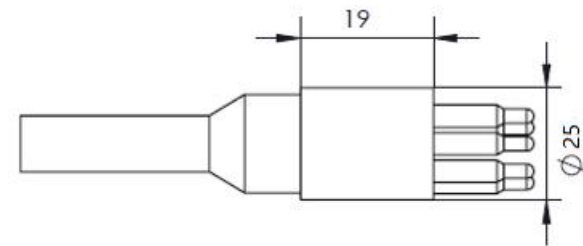
Ethernet

Inline Connector (DIL8)

Ways: 8



Operating Specification	Material Specification
Voltage: 250 V	Connector body: Chloroprene Rubber
Data rate: >1 Gbit/s	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Inline cable: 4 x TP AWG 24, 100cm
Depth rating: 600 bar	O-rings: NBR 2-015
Temperature rating: -40 – 60 °C	



Face view (male)



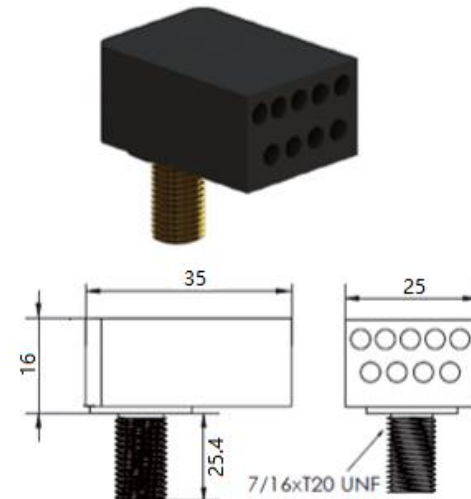
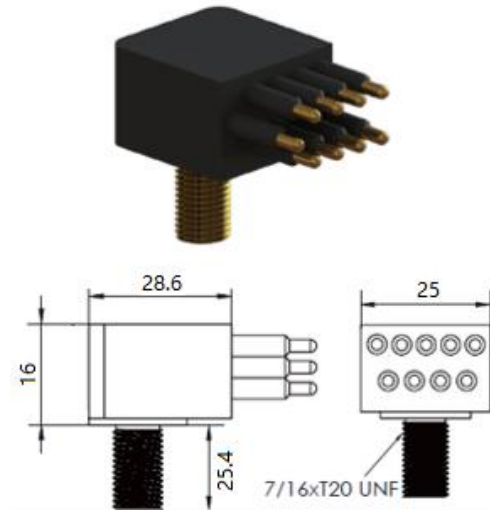
Ethernet

LP Bulkhead Connector
(DLPBH9)
Ways: 9



Operating Specification	Material Specification
Voltage: 250 V	Connector body: Chloroprene Rubber
Data rate: >1 Gbit/s	Bulkhead body: Brass, Stainless Steel 316, Titanium
Insulation resistance: >200 Mohm	Contact: Gold Plated Beryllium Copper
Contact resistance: <0.01 ohm	Socket: Gold Plated Brass
Depth rating: 600 bar	Bulkhead leads: CAT 5E cable, 100cm
Temperature rating: -40 – 60 °C	O-rings: NBR 2-014

Face view (male)



Ethernet

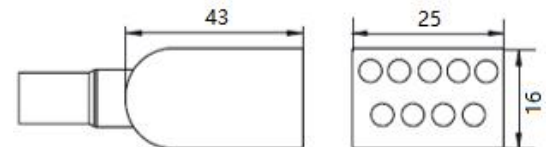
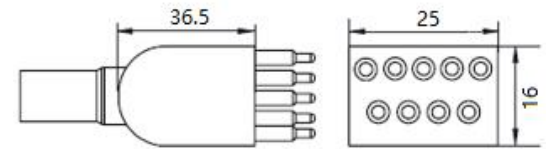
LP Inline Connector (DLPIL9)

Ways: 9



Operating Specification	Material Specification
Voltage: 250 V	Connector body: Chloroprene Rubber
Data rate: >1 Gbit/s	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Inline cable: 4 x TP AWG 24, 100cm
Depth rating: 600 bar	O-rings: N/A
Temperature rating: -40 – 60 °C	

Face view (male)



Power Ethernet

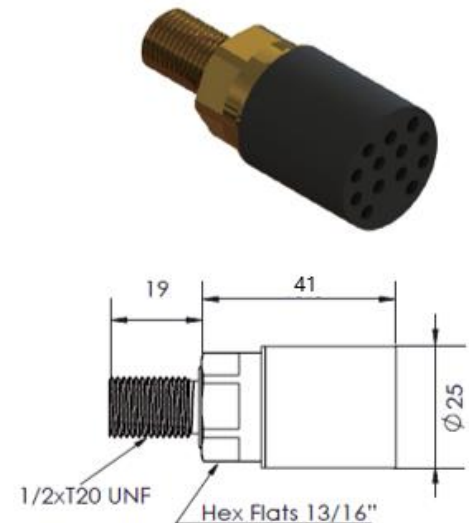
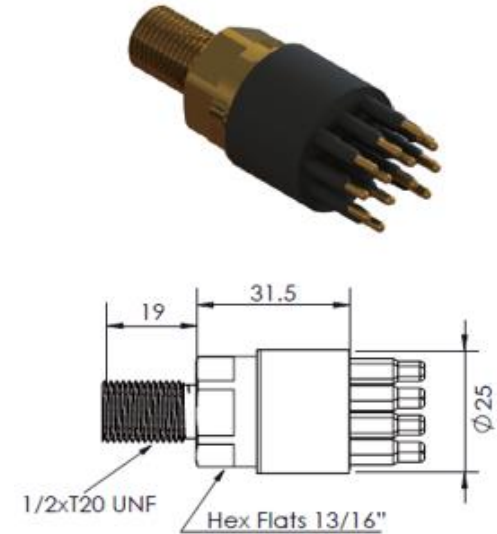
Bulkhead Connector (DBH13)

Ways: 13



Operating Specification	Material Specification
Voltage: 600 V (power) 250 V (data)	Connector body: Chloroprene Rubber
Data rate: >1 Gbit/s	Bulkhead body: Brass, Stainless Steel 316, Titanium
Insulation resistance: >200 Mohm	Contact: Gold Plated Beryllium Copper
Contact resistance: <0.01 ohm	Socket: Gold Plated Brass
Depth rating: 600 bar	Bulkhead leads: CAT 5E cable, 4 x AWG 20 PTFE, 100cm
Temperature rating: -40 – 60 °C	O-rings: NBR 2-015

Face view (male)



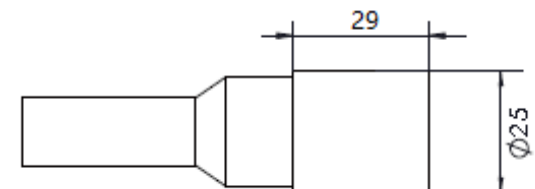
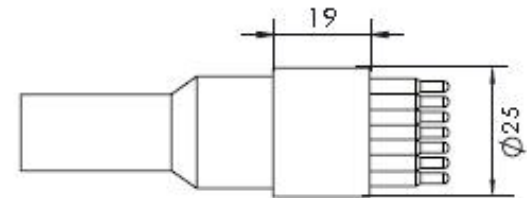
Power Ethernet

Inline Connector (DIL13)

Ways: 13



Operating Specification	Material Specification
Voltage: 600 V (power) 250 V (data)	Connector body: Chloroprene Rubber
Data rate: >1 Gbit/s	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Inline cable: 4 x TP AWG 24, 4 x AWG 18, 100cm
Depth rating: 600 bar	O-rings: N/A
Temperature rating: -40 – 60 °C	



Face view (male)



Power Ethernet

LP Bulkhead Connector

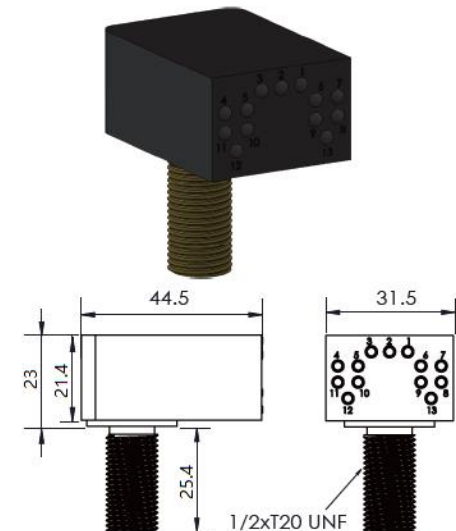
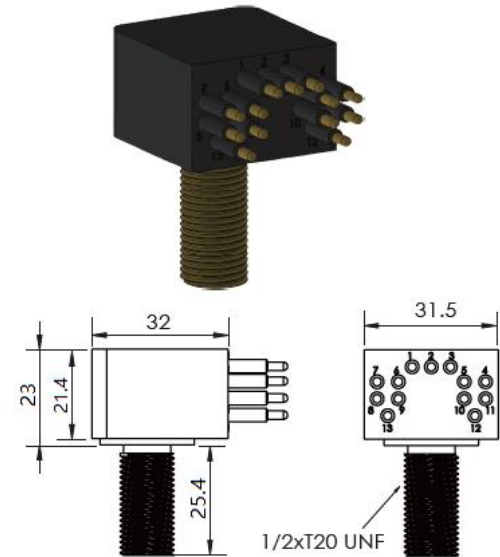
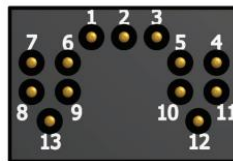
(DLPBH13)

Ways: 13



Operating Specification	Material Specification
Voltage: 600 V (power) 250 V (data)	Connector body: Chloroprene Rubber
Data rate: >1 Gbit/s	Bulkhead body: Brass, Stainless Steel 316, Titanium
Insulation resistance: >200 Mohm	Contact: Gold Plated Beryllium Copper
Contact resistance: <0.01 ohm	Socket: Gold Plated Brass
Depth rating: 600 bar	Bulkhead leads: CAT 5E cable, 4 x AWG 20 PTFE, 100cm
Temperature rating: -40 – 60 °C	O-rings: NBR 2-015

Face view (male)



Power Ethernet

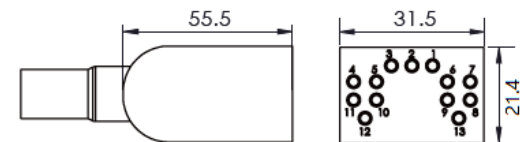
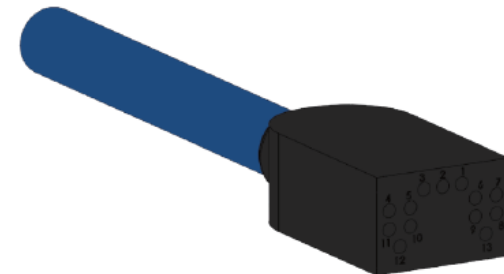
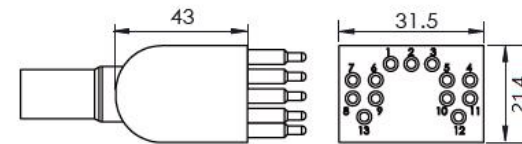
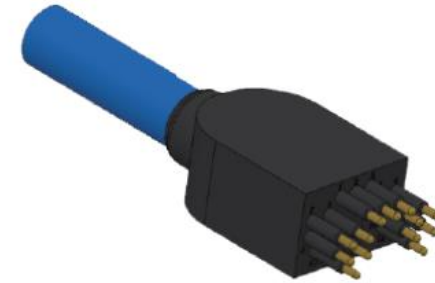
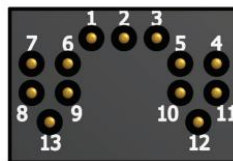
LP Inline Connector (DLPIL13)

Ways: 13



Operating Specification	Material Specification
Voltage: 600 V (power) 250 V (data)	Connector body: Chloroprene Rubber
Data rate: >1 Gbit/s	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Inline cable: 4 x TP AWG 24, 4 x AWG 18, 100cm
Depth rating: 600 bar	O-rings: N/A
Temperature rating: -40 – 60 °C	

Face view (male)

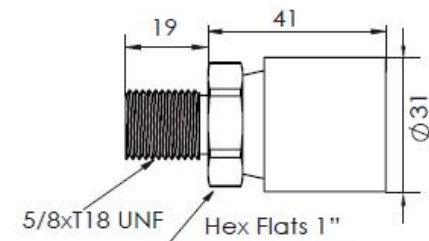
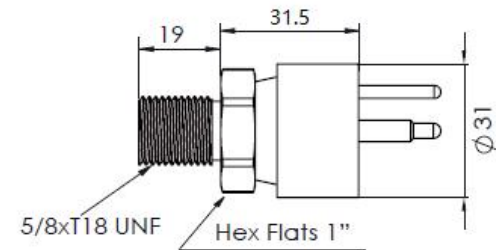


Power Connector

Power Battery
Bulkhead Connector(BHB)
Ways: 2, 3, 4



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 25 A	Bulkhead body: Brass, Stainless Steel 316, Titanium
Current(connector): 50 A	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Guide pin: Stainless Steel 316
Depth rating: 600 bar	Bulkhead leads: AWG 18 PTFE, 30cm
Temperature rating: 4 – 60 °C	O-rings: NBR 2-017

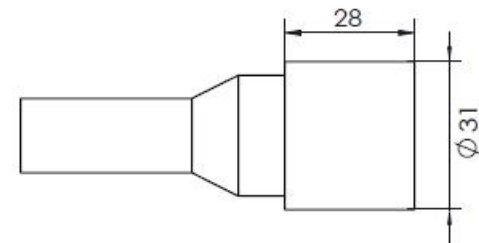
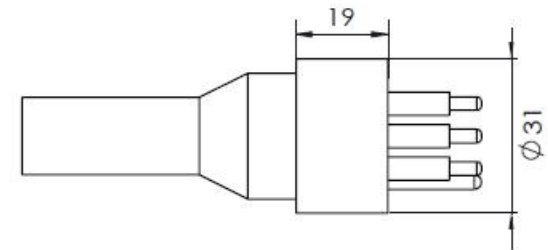


Face view (male)



Power Connector

Power Battery
 Inline Connector (ILB)
 Ways: 2, 3, 4



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 25 A	Contact: Gold Plated Beryllium Copper
Current(connector): 50 A	Socket: Gold Plated Brass
Insulation resistance: >200 Mohm	Guide pin: Stainless Steel 316
Contact resistance: <0.01 ohm	Inline cable: AWG 18 Neoprene, 60cm
Depth rating: 600 bar	O-rings: N/A
Temperature rating: 4 – 60 °C	

Face view (male)



Power Connector

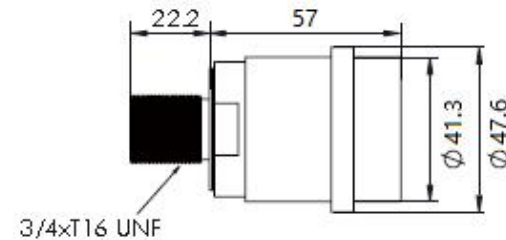
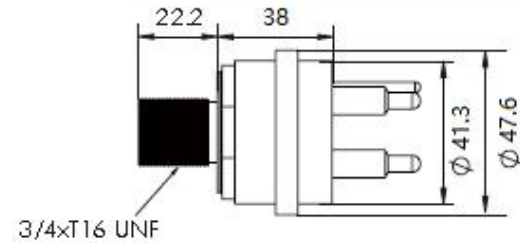


High Power Bulkhead Connector

(HPBH)

Ways: 4

Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 50 A	Bulkhead body: Brass, Stainless Steel 316, Titanium
Current(connector): 200 A	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Guide pin: Stainless Steel 316
Depth rating: 600 bar	Bulkhead leads: AWG 10 PTFE, 30cm
Temperature rating: 4 – 60 °C	O-rings: NBR 2-022



Face view (male)

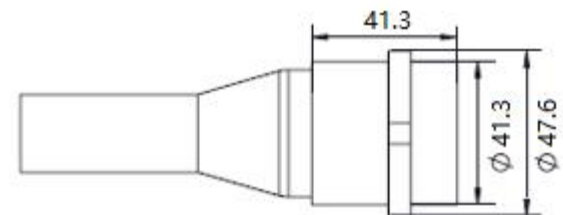
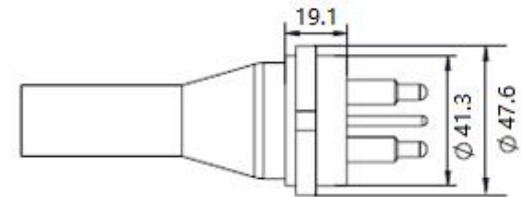


Power Connector

High Power Inline Connector

(HPIL)

Ways: 4



Operating Specification	Material Specification
Voltage: 600 V	Connector body: Chloroprene Rubber
Current(contact): 50 A	Contact: Gold Plated Beryllium Copper
Current(connector): 200 A	Socket: Gold Plated Brass
Insulation resistance: >200 Mohm	Guide pin: Stainless Steel 316
Contact resistance: <0.01 ohm	Inline cable: AWG 8 Neoprene, 60cm
Depth rating: 600 bar	O-rings: N/A
Temperature rating: 4 – 60 °C	

Face view (male)



HF 50 Ω Coax/ Electric

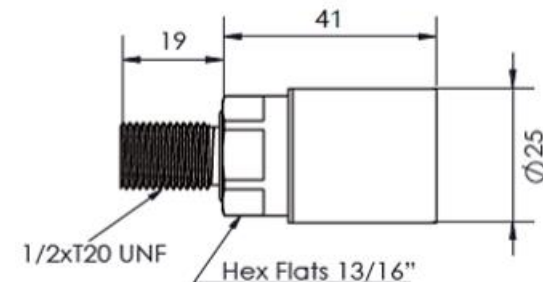
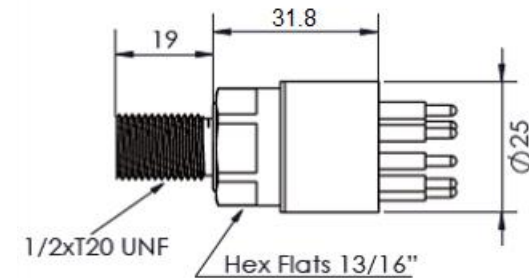
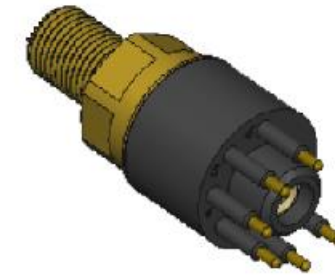


Bulkhead Connector

(HP50CXBH)

Ways: 1CX, CX6E

Operating Specification	Material Specification
Voltage: 300 V (Electrical) 800 V (Coax)	Connector body: Chloroprene Rubber
Current(contact): 5 A	Bulkhead body: Brass, Stainless Steel 316, Titanium
Current(connector): 20 A	Contact: Gold Plated Beryllium Copper
Insulation resistance: >200 Mohm	Socket: Gold Plated Brass
Contact resistance: <0.01 ohm	Frequency: 0.3 GHz / 0.6 GHz / 0.9 GHz / 1.2 GHz / 1.5 GHz / 1.8 GHz / 2.1 GHz / 2.4 GHz / 2.7 GHz / 3.0 GHz
Depth rating: 600 bar	Bulkhead leads: RG316 coax and 6 x 20 AWG PTFE, 100cm
Temperature rating: -40 – 60 °C	O-rings: NBR 2-015



Face view (male)

