



2: Underwater Mateable Electrical Connector (Rubber Keyed)



HRS (Hydrobond Rubber Sealing) Connector

FEATURES

- Underwater Mateable
- Proven Shock Tested design
- Depth rated to 2,440 MSW
- Fully open face pressure sealed
- Metal Shell Construction
- Available in 5 shell sizes
- Bulkhead Mount and Panel Mount Designs available as standard
- Mounting O – Ring face seals and optional Barrel seals available as standard
- Pin Densities from 1 to 70 ways
- Voltage ratings up to 3,300 Volts RMS
- Current ratings up to 750 Amps
- Standard and Reverse gender configurations available
- Available in 316 Stainless Steel as standard or Titanium, Aluminium Silicon Bronze, Nickel Aluminium Bronze etc on request
- Non Magnetic versions available
- 0.75 metre conductor tails on all bulkhead connectors as standard with other lengths on request
- Optional Earth Bonding
- Optional Cathodic delamination versions available
- Termination options include fully water blocked, mechanical strain terminations and oil filled options
- Moulding options include Polyurethane and Polyethylene
- Acetal dust caps included on all connectors (additional lanyards on request)

BENEFITS

- Cost effective diver mateable solution
- Easy to use
- Fast Delivery lead times
- Wide variety of pin configurations allows cost effective system design
- Standard and reverse gender configurations allow for safe system design
- Wide variety of metal options allows for best corrosion resistant design
- Extensive track record

www.hydrogroup.plc.uk

Contact: sales@hydrogroup.plc.uk

Phone: +44 (0)1224 822996

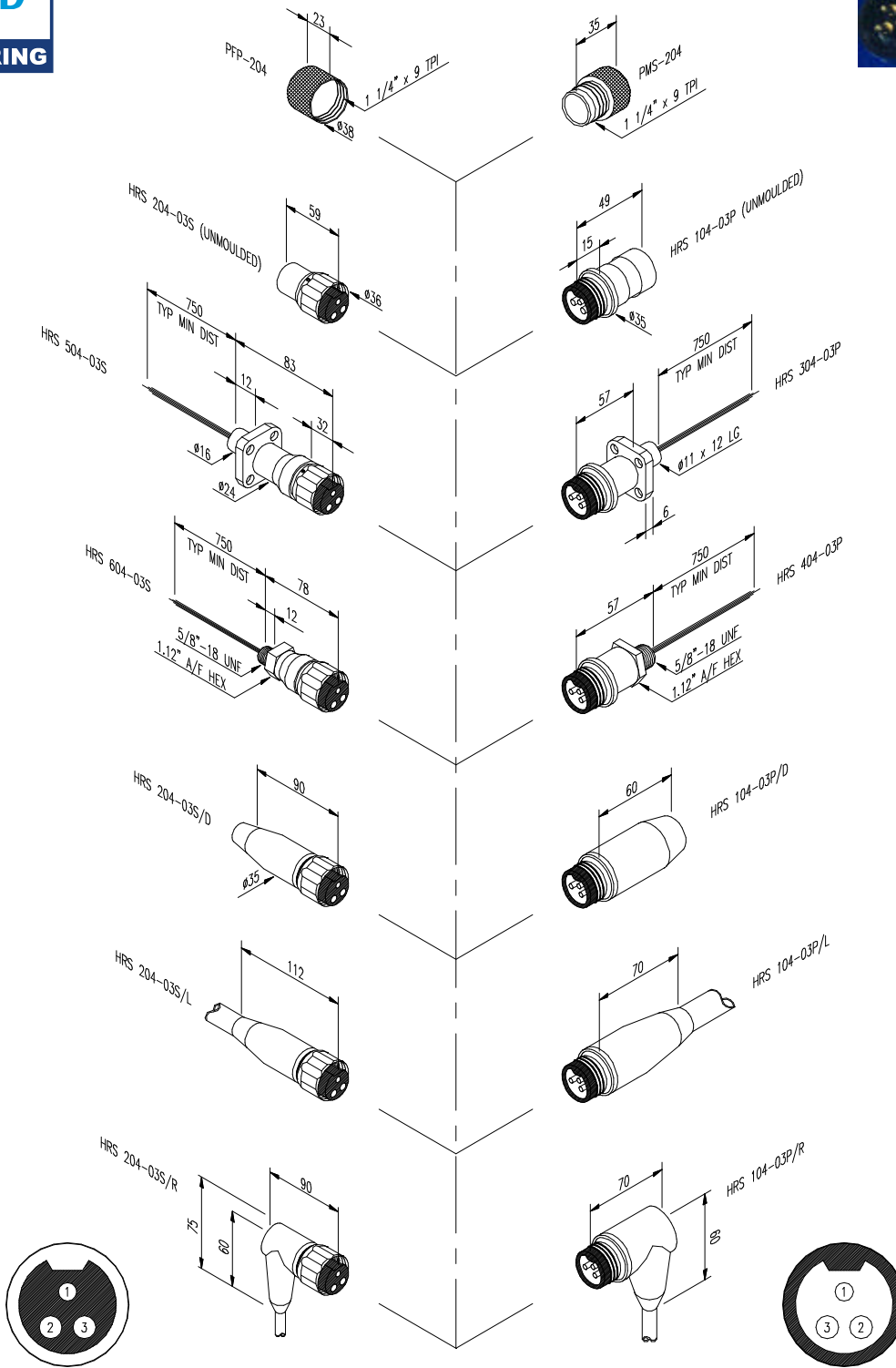
Fax: +44 (0)1224 825142



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BOND**

ENGINEERING

**HRS (Hydrobond Rubber Sealing)
Underwater Mateable Connector
HRS_04-03**



FACE VIEW
SOCKET CONNECTOR

FACE VIEW
PIN CONNECTOR

Electrical and Environmental:
 Pin Current Rating: 1 way 10 A, 2 way 25 A
 Pin Voltage Rating: 2,000 V rms
 Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
 Contact to Body IR: >1,000 MOhms @ 1,000 V dc
 Mated Depth Rating: 2,440 MSW
 Temperature Rating: -20 ° C to +60 ° C
 Conductor Tail Size: 18 AWG / 14 AWG
 Solder Bucket Size: 1 X 2.5 mm dia, 2 X 3.0 mm dia

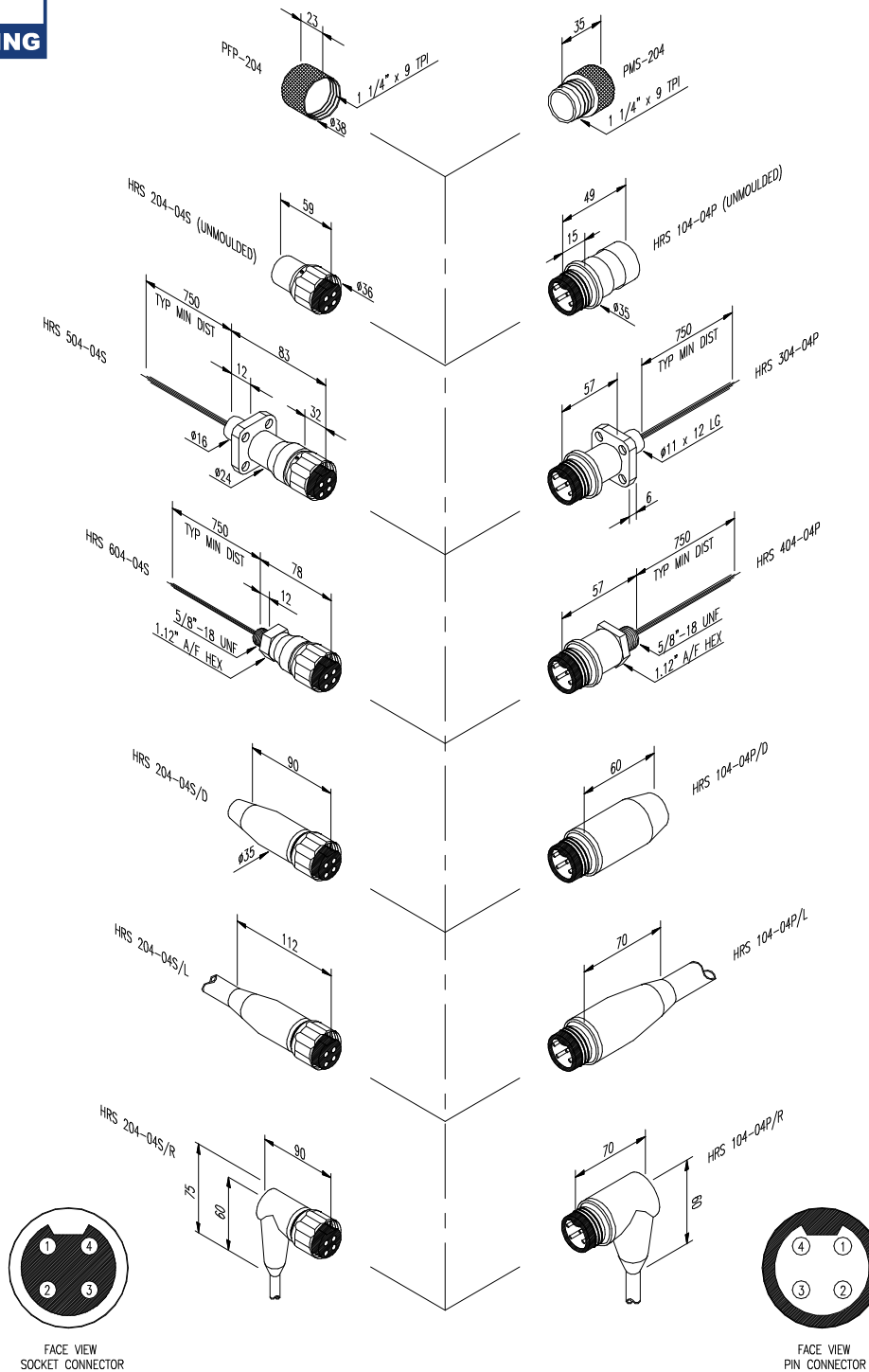
Standard Material Specification:
 Body: 316 Stainless Steel
 Fix Ring: Aluminium Silicon Bronze
 Back Shell: N/A
 Contact Pins: CZ121/Au
 Contact Sockets: CZ121/Au
 Insert Material: Neoprene
 Conductor Tails: Spec 44 X 0.75 m.
 O - Rings: NI70

Data Sheet:
 Issue: 02
 Approved by:
Mechanical:
 Lengths = mm
 Threads = Inches
Mounting Detail:
 See Mounting Detail
 Section of Binder

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HRS (Hydrobond Rubber Sealing) Underwater Mateable Connector HRS_04-04



Electrical and Environmental:

Pin Current Rating: 8 Amps
 Pin Voltage Rating: 2,000 V rms
 Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
 Contact to Body IR: >1,000 MOhms @ 1,000 V dc
 Mated Depth Rating: 2,440 MSW
 Temperature Rating: -20 ° C to +60 ° C
 Conductor Tail Size: 18 AWG
 Solder Bucket Size: 2.5 mm dia

Standard Material Specification:

Body: 316 Stainless Steel
 Fix Ring: Aluminium Silicon Bronze
 Back Shell: N/A
 Contact Pins: CZI21/Au
 Contact Sockets: CZI21/Au
 Insert Material: Neoprene
 Conductor Tails: Spec 44 X 0.75 m.
 O – Rings: NI70

Data Sheet:

Issue: 01
 Approved by:

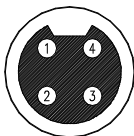
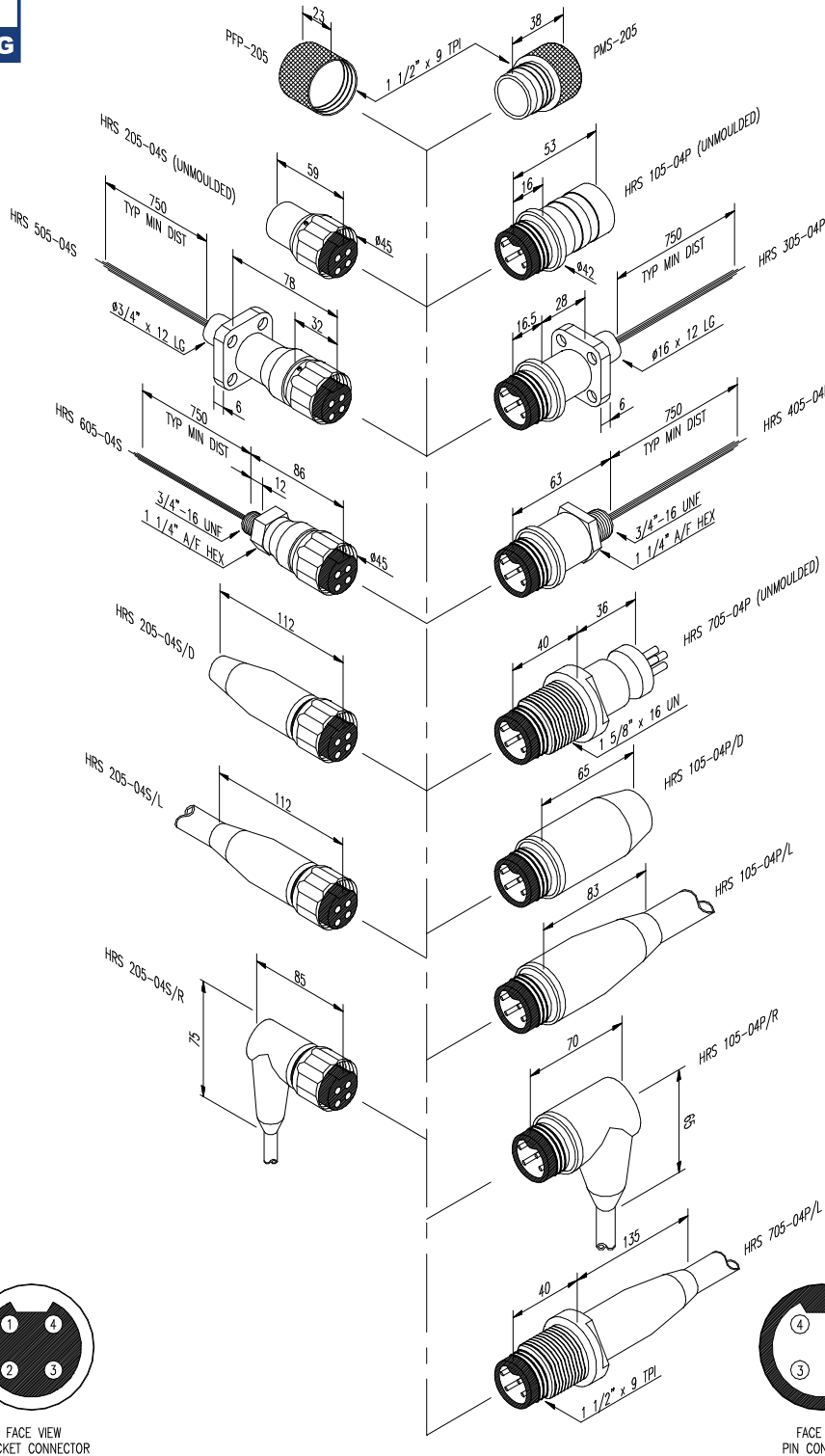
Mechanical:

Lengths = mm
 Threads = Inches
Mounting Detail:
 See Mounting Detail
 Section of Binder

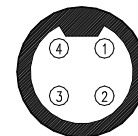
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**HRS (Hydrobond Rubber Sealing)
Underwater Mateable Connector
HRS_05-04**



FACE VIEW
SOCKET CONNECTOR



FACE VIEW
PIN CONNECTOR

Electrical and Environmental:

- Pin Current Rating: 16 Amps
- Pin Voltage Rating: 2,000 V rms
- Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
- Contact to Body IR: >1,000 MOhms @ 1,000 V dc
- Mated Depth Rating: 2,440 MSW
- Temperature Rating: -20 °C to +60 °C
- Conductor Tail Size: 16 AWG
- Solder Bucket Size: 3.0 mm dia

Standard Material Specification:

- Body: 316 Stainless Steel
- Fix Ring: Aluminium Silicon Bronze
- Back Shell: N/A
- Contact Pins: CZI21/Au
- Contact Sockets: CZI21/Au
- Insert Material: Neoprene
- Conductor Tails: Spec 44 X 0.75 m.
- O – Rings: NI70

Data Sheet:

- Issue: 02
- Approved by:

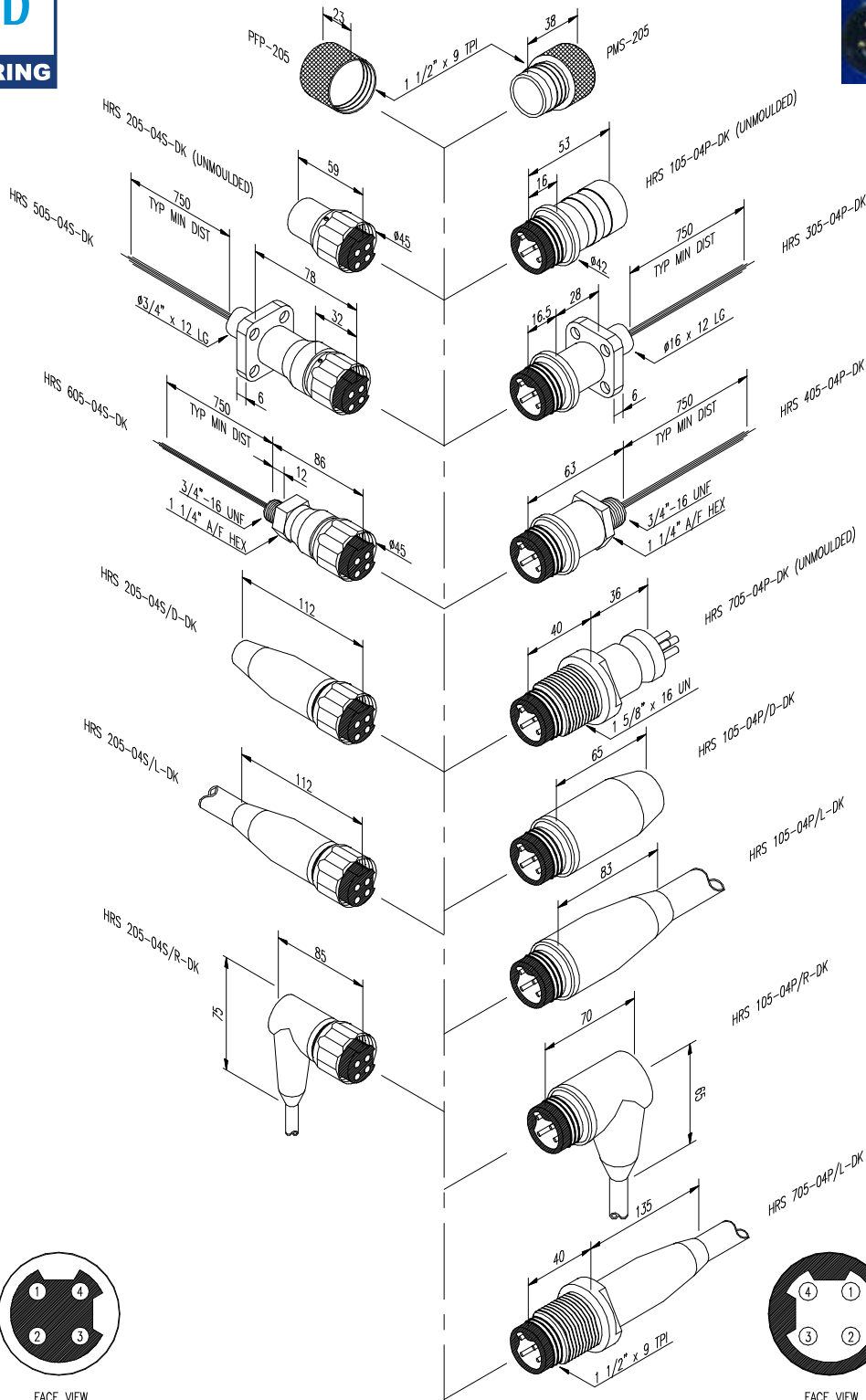
Mechanical:

- Lengths = mm
- Threads = Inches
- Mounting Detail:
See Mounting Detail
Section of Binder

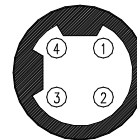
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**HRS (Hydrobond Rubber Sealing)
Underwater Mateable Connector
HRS_05-04_DK (Double Keyway)**



FACE VIEW
SOCKET CONNECTOR



FACE VIEW
PIN CONNECTOR

Electrical and Environmental:

- Pin Current Rating: 16 Amps
- Pin Voltage Rating: 2,000 V rms
- Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
- Contact to Body IR: >1,000 MOhms @ 1,000 V dc
- Mated Depth Rating: 2,440 MSW
- Temperature Rating: -20 °C to +60 °C
- Conductor Tail Size: 16 AWG
- Solder Bucket Size: 3.0 mm dia

Standard Material Specification:

- Body: 316 Stainless Steel
- Fix Ring: Aluminium Silicon Bronze
- Back Shell: N/A
- Contact Pins: CZ121/Au
- Contact Sockets: CZ121/Au
- Insert Material: Neoprene
- Conductor Tails: Spec 44 X 0.75 m.
- O - Rings: NI70

Data Sheet:

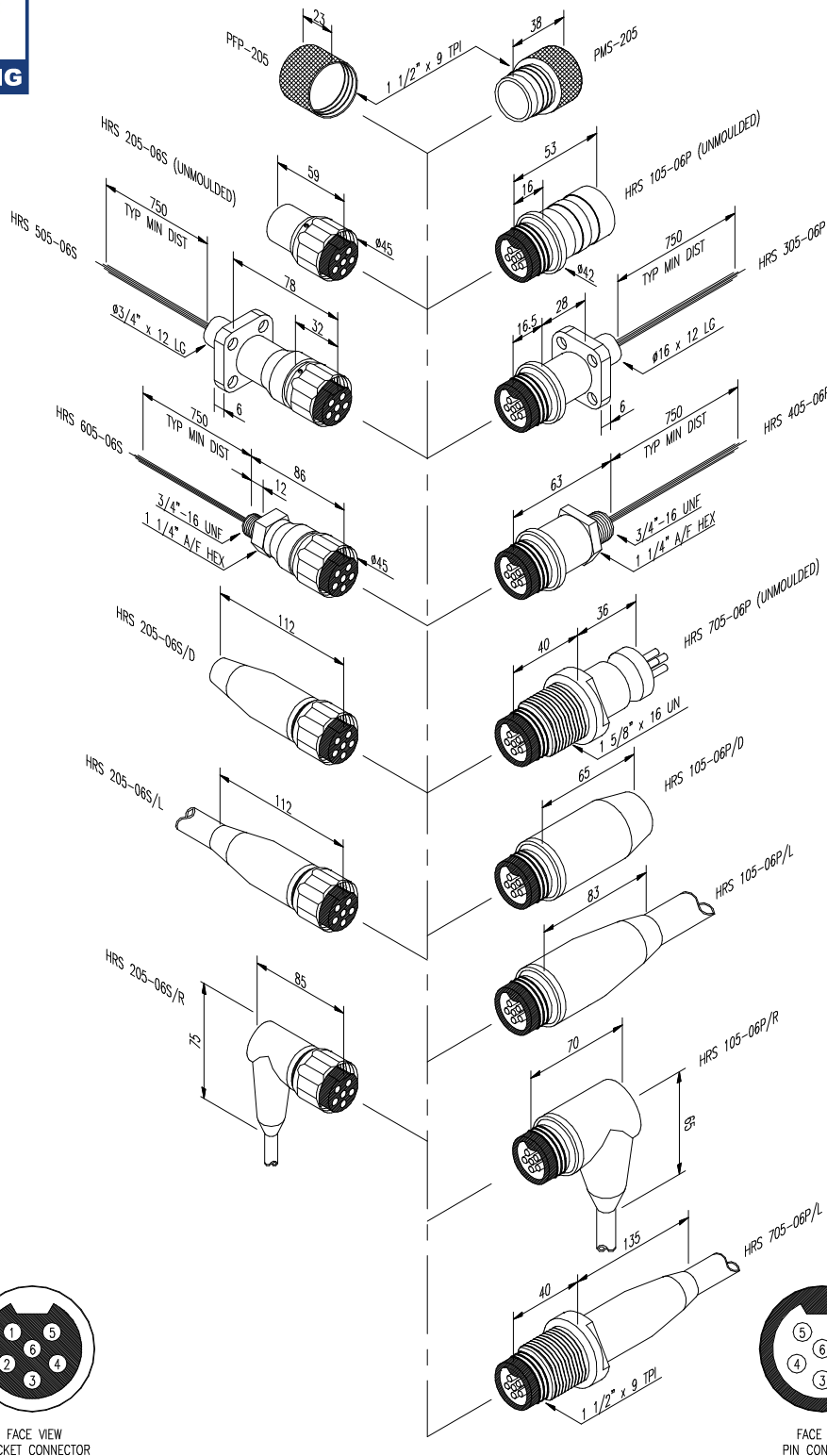
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- Approved by:

Mechanical:

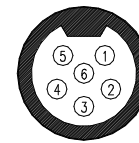
- Lengths = mm
- Threads = Inches
- Mounting Detail:
See Mounting Detail
Section of Binder



HRS (Hydrobond Rubber Sealing) Underwater Mateable Connector HRS_05-06



FACE VIEW
SOCKET CONNECTOR



FACE VIEW
PIN CONNECTOR

Electrical and Environmental:

- Pin Current Rating: 8 Amps
- Pin Voltage Rating: 2,000 V rms
- Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
- Contact to Body IR: >1,000 MOhms @ 1,000 V dc
- Mated Depth Rating: 2,440 MSW
- Temperature Rating: -20 ° C to +60 ° C
- Conductor Tail Size: 18 AWG
- Solder Bucket Size: 2.5 mm dia

Standard Material Specification:

- Body: 316 Stainless Steel
- Fix Ring: Aluminium Silicon Bronze
- Back Shell: N/A
- Contact Pins: CZ121/Au
- Contact Sockets: CZ121/Au
- Insert Material: Neoprene
- Conductor Tails: Spec 44 X 0.75 m.
- O – Rings: NI70

Data Sheet:

- Issue: 01
- Approved by:

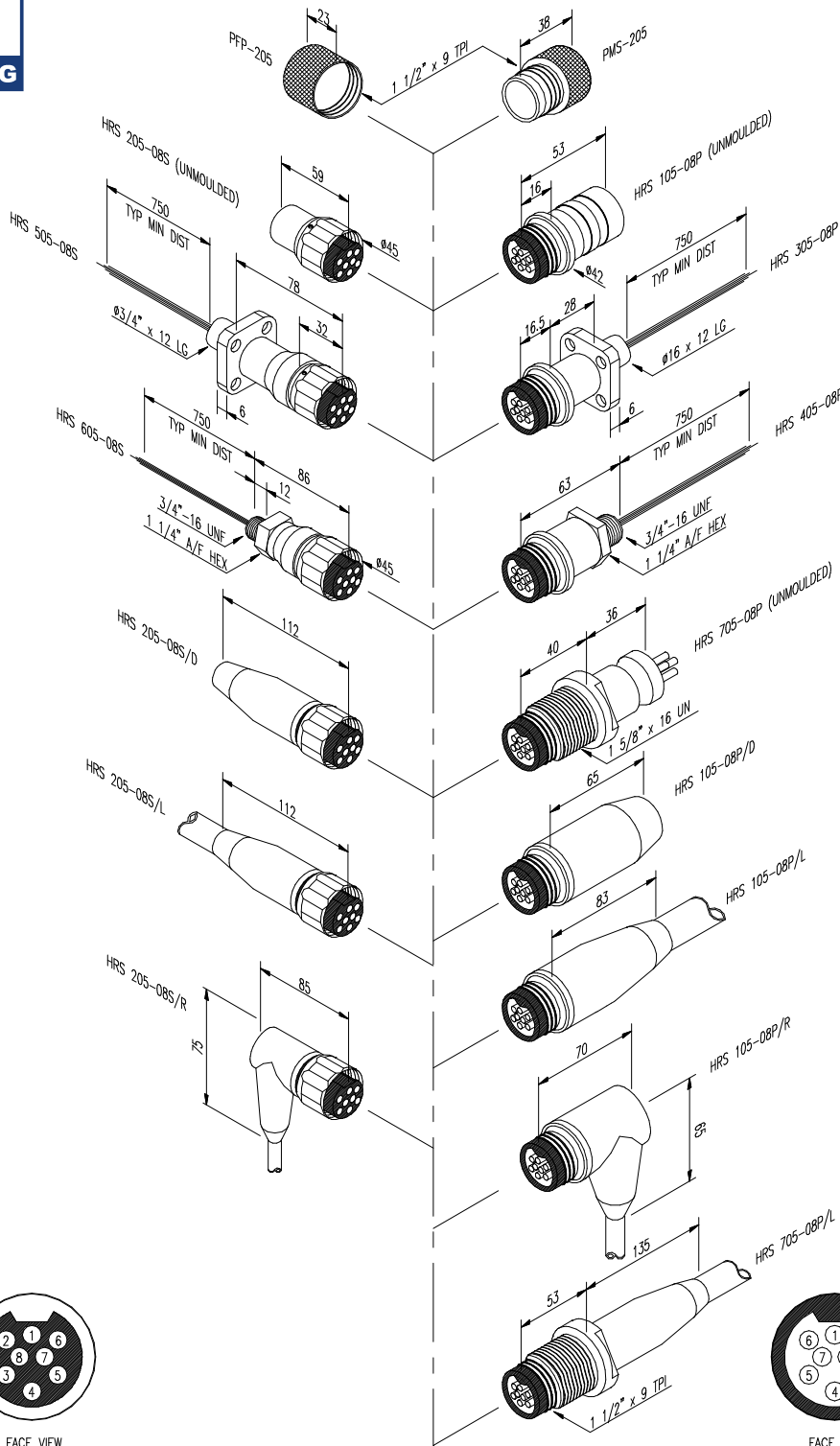
Mechanical:

- Lengths = mm
- Threads = Inches
- Mounting Detail:
See Mounting Detail
Section of Binder

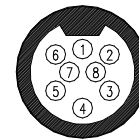
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**HRS (Hydrobond Rubber Sealing)
Underwater Mateable Connector
HRS_05-08**



FACE VIEW
SOCKET CONNECTOR



FACE VIEW
PIN CONNECTOR

Electrical and Environmental:

- Pin Current Rating: 6 Amps
- Pin Voltage Rating: 2,000 V rms
- Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
- Contact to Body IR: >1,000 MOhms @ 1,000 V dc
- Mated Depth Rating: 2,440 MSW
- Temperature Rating: -20 ° C to +60 ° C
- Conductor Tail Size: 18 AWG
- Solder Bucket Size: 2.5 mm dia

Standard Material Specification:

- Body: 316 Stainless Steel
- Fix Ring: Aluminium Silicon Bronze
- Back Shell: N/A
- Contact Pins: CZ121/Au
- Contact Sockets: CZ121/Au
- Insert Material: Neoprene
- Conductor Tails: Spec 44 X 0.75 mm.
- O - Rings: NI70

Data Sheet:

- Issue: 01
- Approved by:

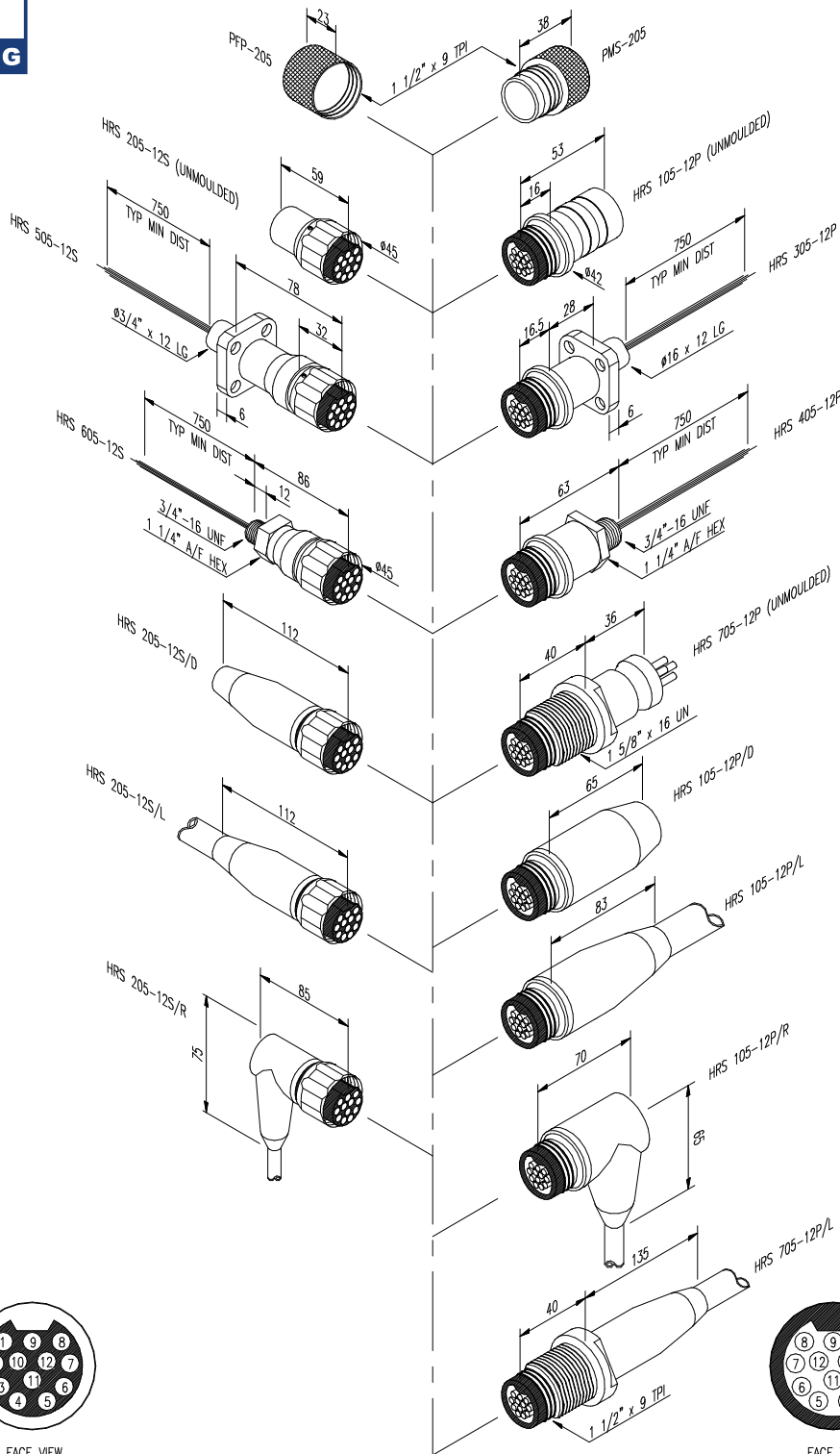
Mechanical:

- Lengths = mm
- Threads = Inches
- Mounting Detail: See Mounting Detail Section of Binder

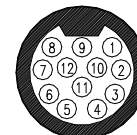
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**HRS (Hydrobond Rubber Sealing)
Underwater Mateable Connector
HRS_05-12**



FACE VIEW
SOCKET CONNECTOR



FACE VIEW
PIN CONNECTOR

Electrical and Environmental:

- Pin Current Rating: 5 Amps
- Pin Voltage Rating: 2,000 V rms
- Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
- Contact to Body IR: >1,000 MOhms @ 1,000 V dc
- Mated Depth Rating: 2,440 MSW
- Temperature Rating: -20 ° C to +60 ° C
- Conductor Tail Size: 18 AWG
- Solder Bucket Size: 2.5 mm dia

Standard Material Specification:

- Body: 316 Stainless Steel
- Fix Ring: Aluminium Silicon Bronze
- Back Shell: N/A
- Contact Pins: CZ121/Au
- Contact Sockets: CZ121/Au
- Insert Material: Neoprene
- Conductor Tails: Spec 44 X 0.75 m.
- O – Rings: NI70

Data Sheet:

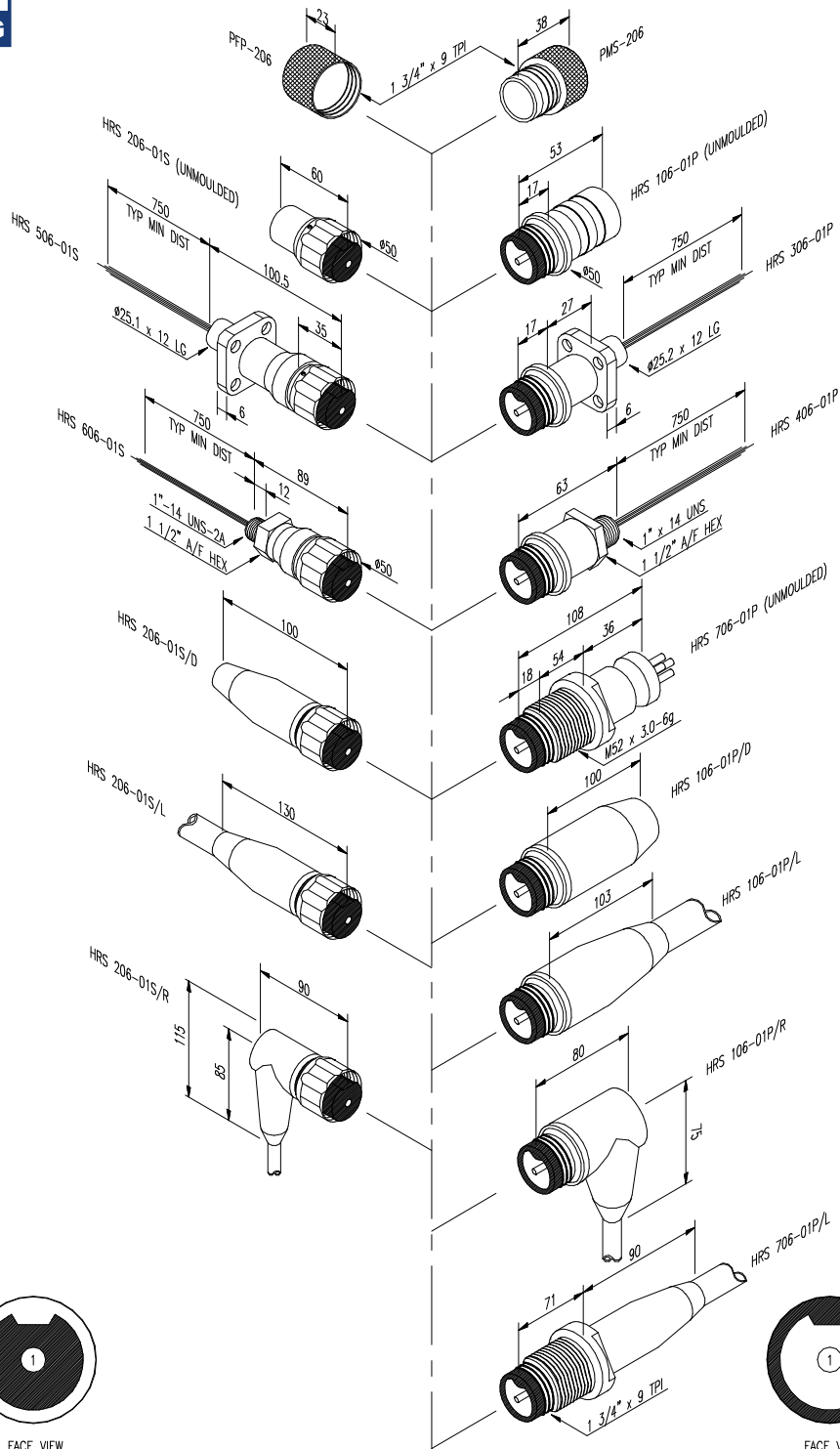
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- Approved by:

Mechanical:

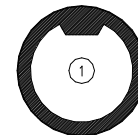
- Lengths = mm
- Threads = Inches
- Mounting Detail:
See Mounting Detail
Section of Binder



HRS (Hydrobond Rubber Sealing) Underwater Mateable Connector HRS_06-01



FACE VIEW
SOCKET CONNECTOR



FACE VIEW
PIN CONNECTOR

Electrical and Environmental:

- Pin Current Rating: 33 Amps (>33 Amps possible)
- Pin Voltage Rating: 6,000 V rms
- Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
- Contact to Body IR: >1,000 MOhms @ 1,000 V dc
- Mated Depth Rating: 2,440 MSW
- Temperature Rating: -20 ° C to +60 ° C
- Conductor Tail Size: 6.0 sq.mm
- Solder Bucket Size: 5.5 mm dia

Standard Material Specification:

- Body: 316 Stainless Steel
- Fix Ring: Aluminium Silicon Bronze
- Back Shell: N/A
- Contact Pins: CZ121/Au
- Contact Sockets: CZ121/Au
- Insert Material: Neoprene
- Conductor Tails: Polyrad X 0.75 m.
- O – Rings: NI70

Data Sheet:

- Issue: 01
- Approved by:

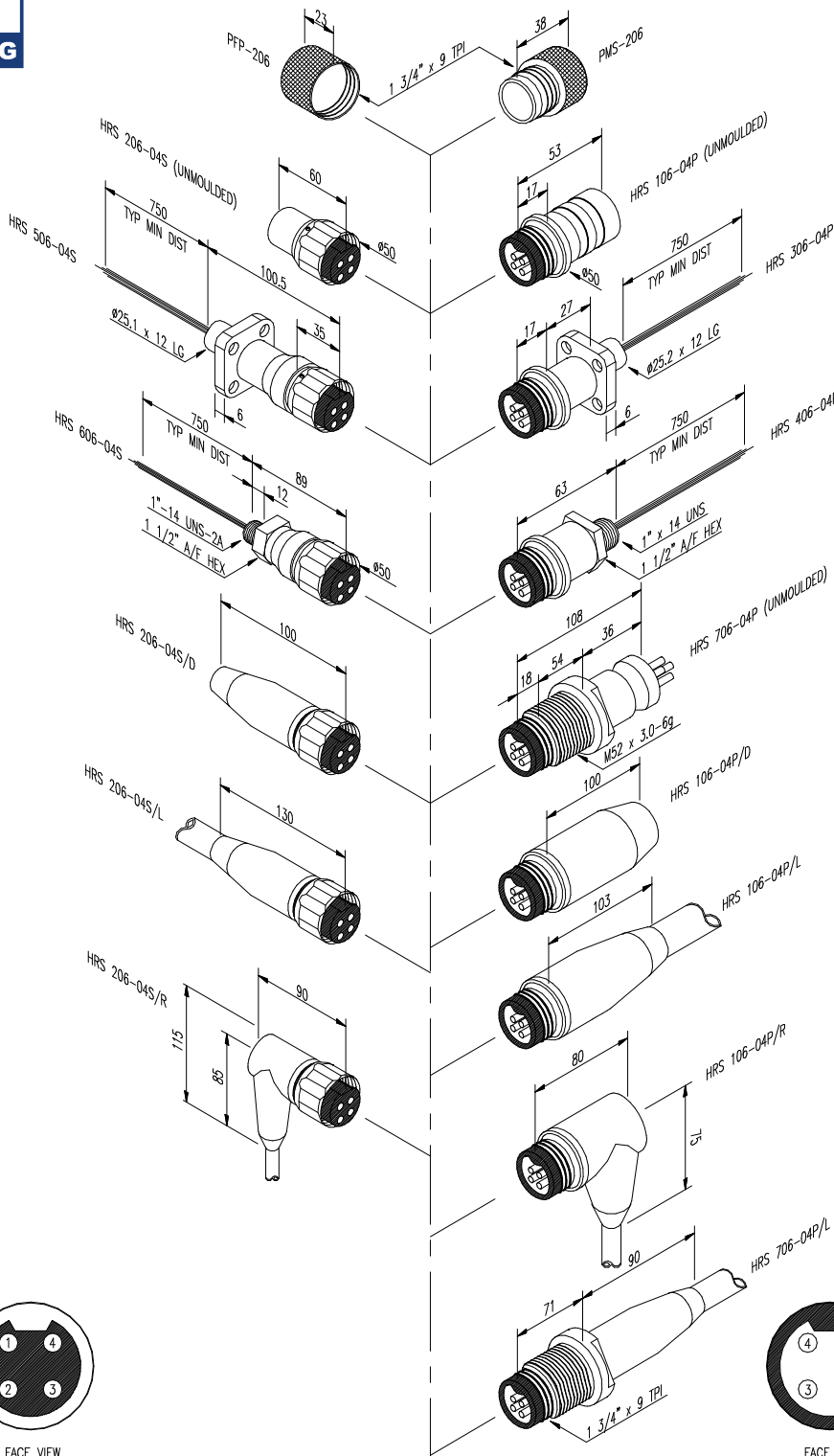
Mechanical:

- Lengths = mm
- Threads = Inches
- Mounting Detail:
See Mounting Detail
Section of Binder

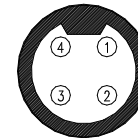
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**HRS (Hydrobond Rubber Sealing)
Underwater Mateable Connector
HRS_06-04**



FACE VIEW
SOCKET CONNECTOR



FACE VIEW
PIN CONNECTOR

Electrical and Environmental:

- Pin Current Rating: 16 Amps
- Pin Voltage Rating: 2,000 V rms
- Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
- Contact to Body IR: >1,000 MOhms @ 1,000 V dc
- Mated Depth Rating: 2,440 MSW
- Temperature Rating: -20 °C to +60 °C
- Conductor Tail Size: 2.5 sq.mm
- Solder Bucket Size: 3.0 mm dia

Standard Material Specification:

- Body: 316 Stainless Steel
- Fix Ring: Aluminium Silicon Bronze
- Back Shell: N/A
- Contact Pins: CZ121/Au
- Contact Sockets: CZ121/Au
- Insert Material: Neoprene
- Conductor Tails: Radox 125, 0.75 m.
- O – Rings: NI70

Data Sheet:

- Issue: 01
- Approved by:

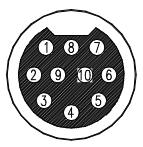
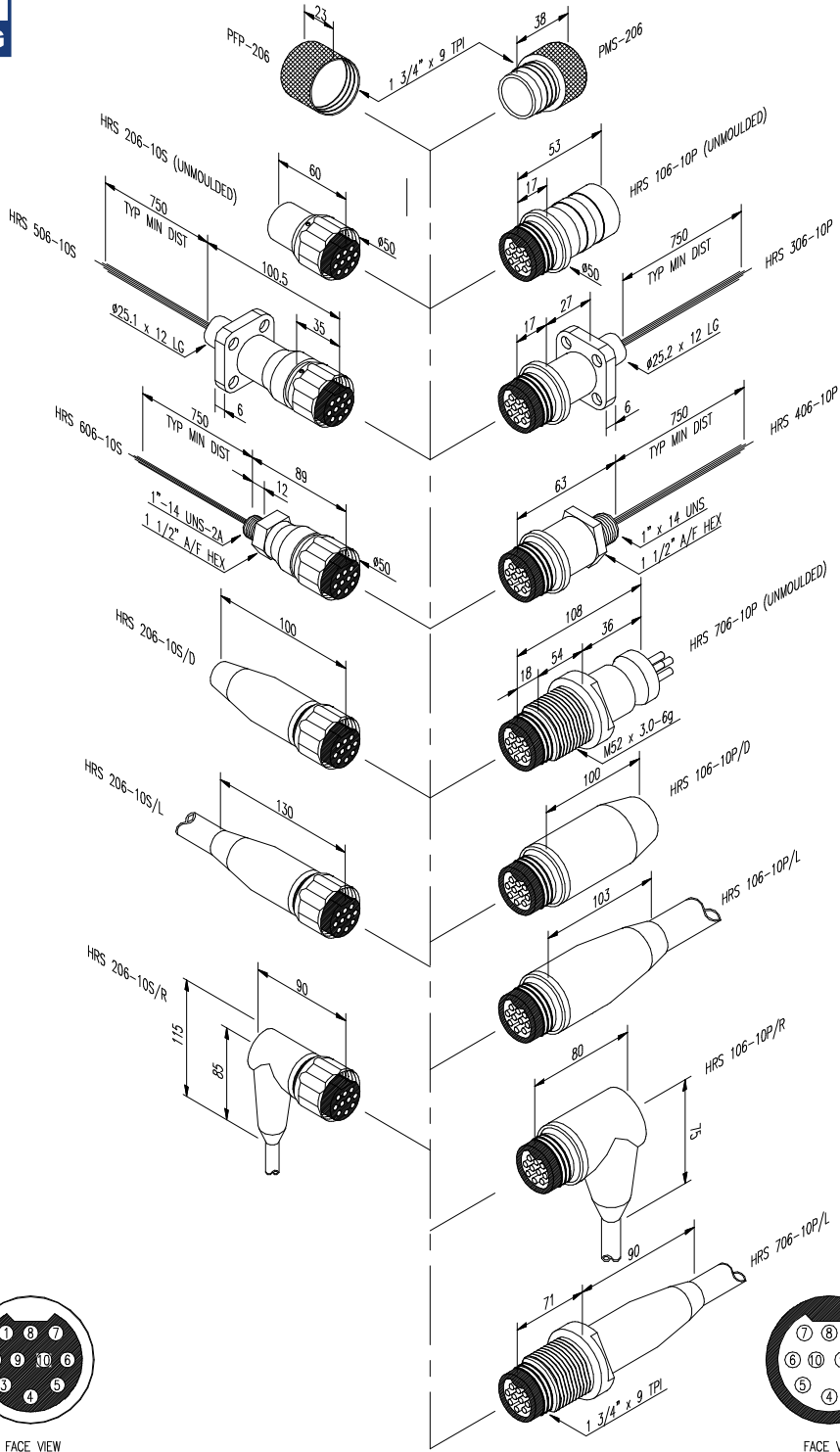
Mechanical:

- Lengths = mm
- Threads = Inches
- Mounting Detail:
See Mounting Detail
Section of Binder

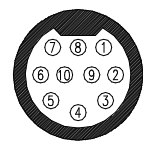
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**HRS (Hydrobond Rubber Sealing)
Underwater Mateable Connector
HRS_06-10**



FACE VIEW
SOCKET CONNECTOR



FACE VIEW
PIN CONNECTOR

Electrical and Environmental:
 Pin Current Rating: 5 Amps
 Pin Voltage Rating: 2,000 V rms
 Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
 Contact to Body IR: >1,000 MOhms @ 1,000 V dc
 Mated Depth Rating: 2,440 MSW
 Temperature Rating: -20 ° C to +60 ° C
 Conductor Tail Size: 18 AWG
 Solder Bucket Size: 2.5 mm dia

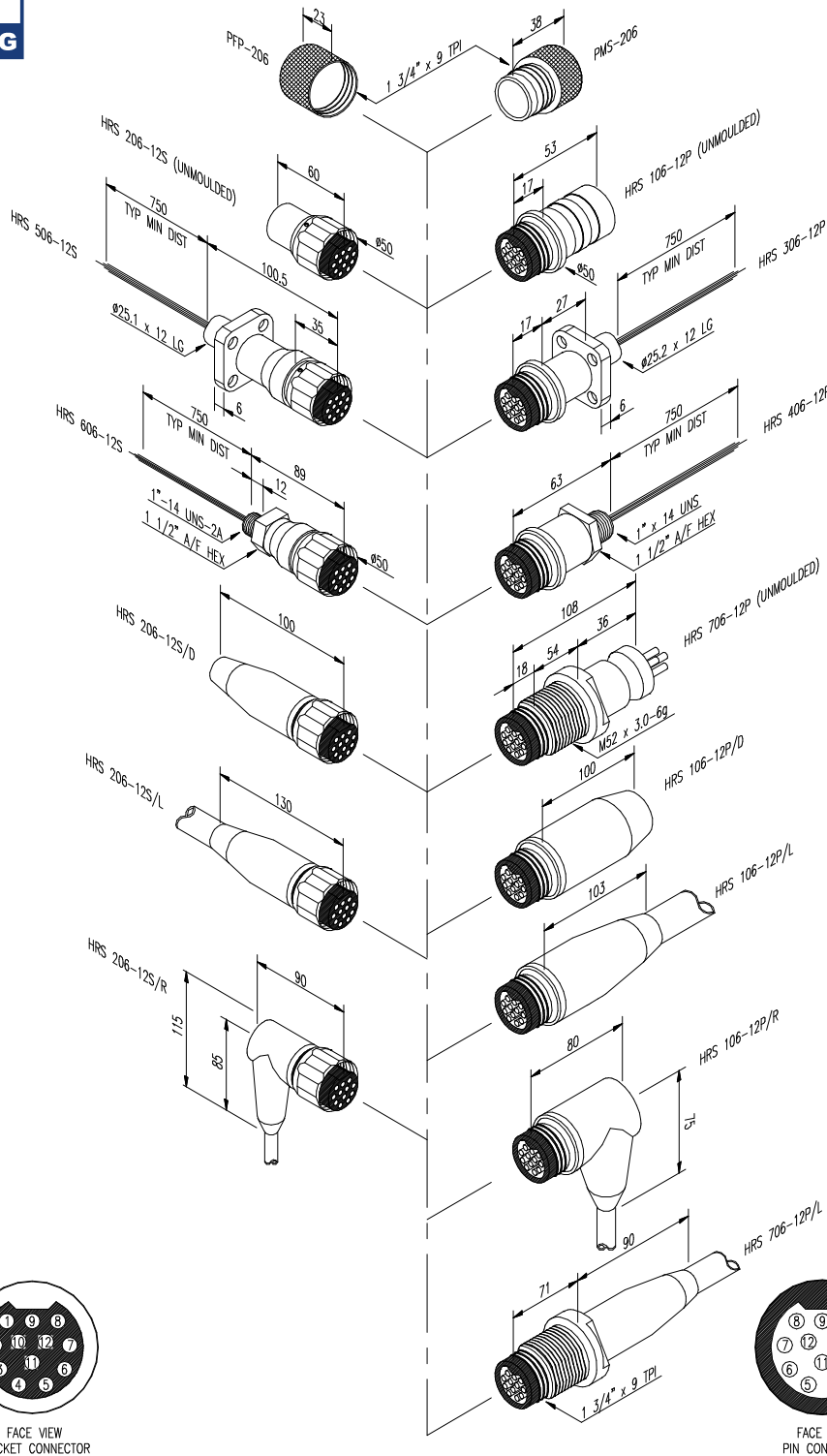
Standard Material Specification:
 Body: 316 Stainless Steel
 Fix Ring: Aluminium Silicon Bronze
 Back Shell: N/A
 Contact Pins: CZI21/Au
 Contact Sockets: CZI21/Au
 Insert Material: Neoprene
 Conductor Tails: Spec 44 X 0.75 m.
 O – Rings: NI70

Data Sheet:
 Issue: 01
Approved by:
Mechanical:
 Lengths = mm
 Threads = Inches
Mounting Detail:
 See Mounting Detail
 Section of Binder

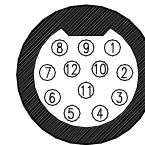
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**HRS (Hydrobond Rubber Sealing)
Underwater Mateable Connector
HRS_06-12**



FACE VIEW
SOCKET CONNECTOR



FACE VIEW
PIN CONNECTOR

Electrical and Environmental:

- Pin Current Rating: 5 Amps
- Pin Voltage Rating: 2,000 V rms
- Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
- Contact to Body IR: >1,000 MOhms @ 1,000 V dc
- Mated Depth Rating: 2,440 MSW
- Temperature Rating: -20 ° C to +60 ° C
- Conductor Tail Size: 18 AWG
- Solder Bucket Size: 2.5 mm dia

Standard Material Specification:

- Body: 316 Stainless Steel
- Fix Ring: Aluminium Silicon Bronze
- Back Shell: N/A
- Contact Pins: CZ121/Au
- Contact Sockets: CZ121/Au
- Insert Material: Neoprene
- Conductor Tails: Spec 44 X 0.75 m.
- O – Rings: NI70

Data Sheet:

- Issue: 01
- Approved by:

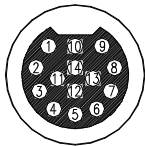
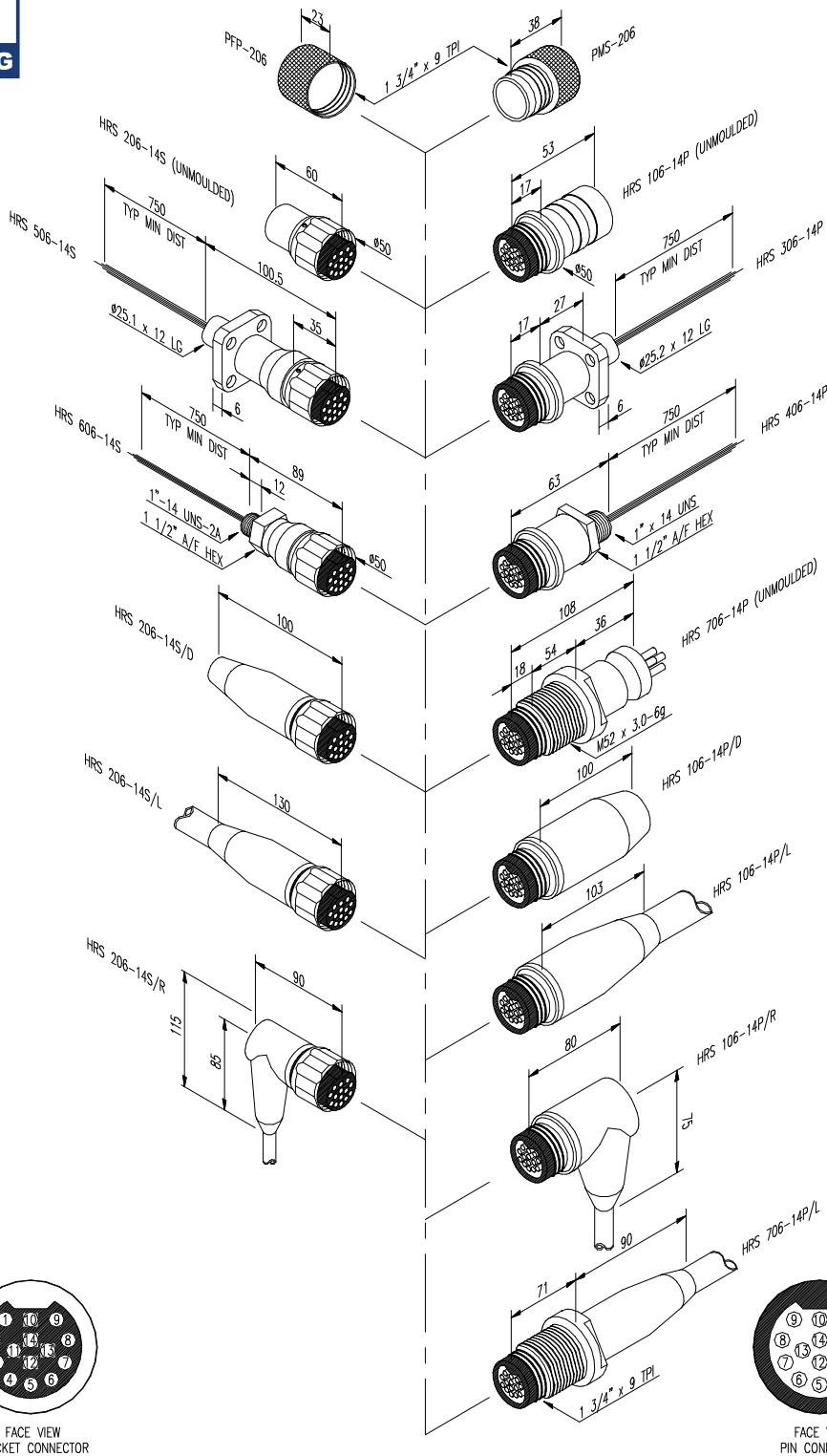
Mechanical:

- Lengths = mm
- Threads = Inches
- Mounting Detail:
See Mounting Detail
Section of Binder

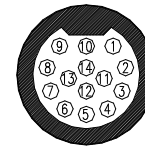
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**HRS (Hydrobond Rubber Sealing)
Underwater Mateable Connector
HRS_06-14**



FACE VIEW
SOCKET CONNECTOR



FACE VIEW
PIN CONNECTOR

Electrical and Environmental:

- Pin Current Rating: 5 Amps
- Pin Voltage Rating: 2,000 V rms
- Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
- Contact to Body IR: >1,000 MOhms @ 1,000 V dc
- Mated Depth Rating: 2,440 MSW
- Temperature Rating: -20 ° C to +60 ° C
- Conductor Tail Size: 18 AWG
- Solder Bucket Size: 2.5 mm dia

Standard Material Specification:

- Body: 316 Stainless Steel
- Fix Ring: Aluminium Silicon Bronze
- Back Shell: N/A
- Contact Pins: CZ121/Au
- Contact Sockets: CZ121/Au
- Insert Material: Neoprene
- Conductor Tails: Spec 44 X 0.75 m.
- O – Rings: NI70

Data Sheet:

- Issue: 01
- Approved by:

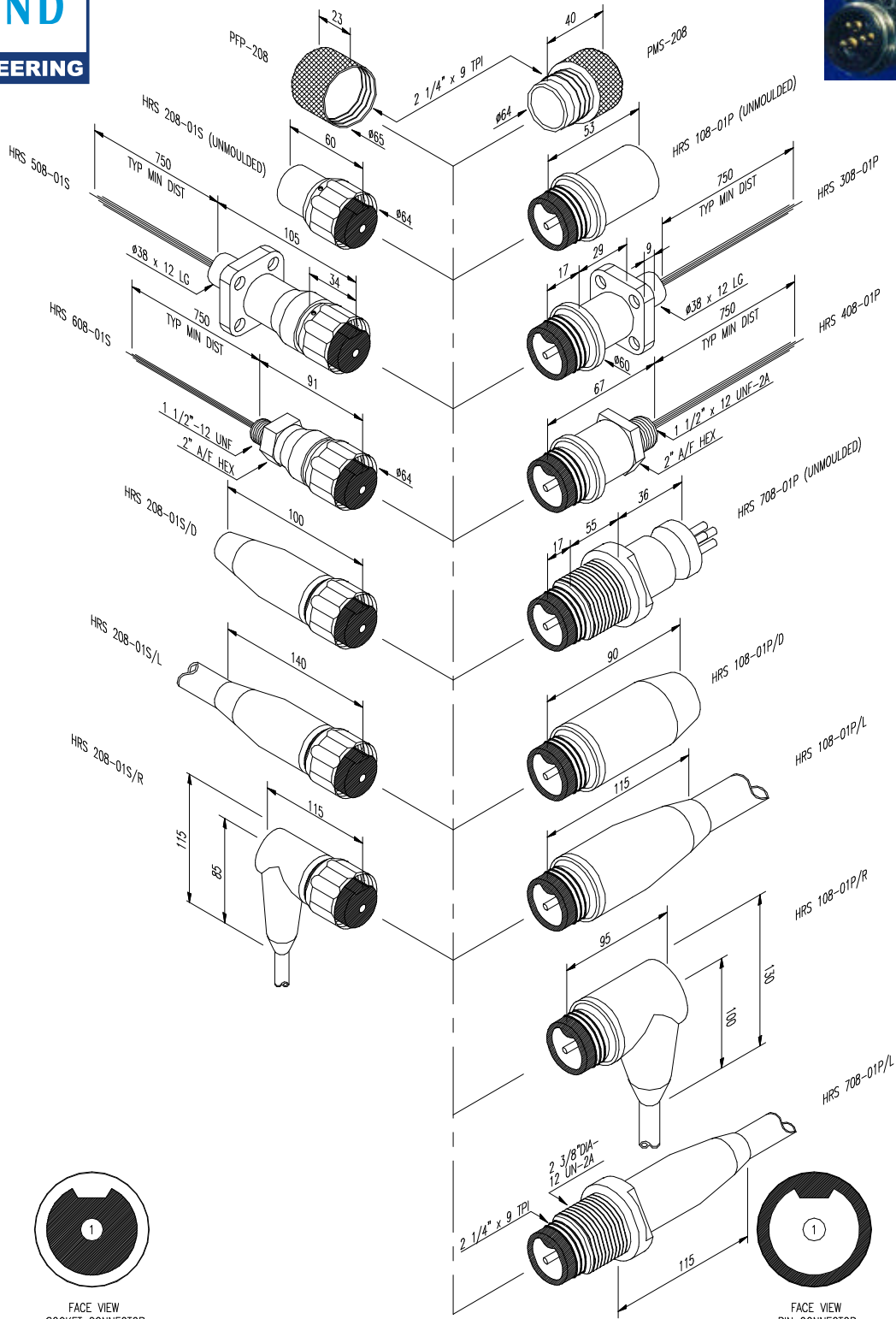
Mechanical:

- Lengths = mm
- Threads = Inches
- Mounting Detail:
See Mounting Detail
Section of Binder

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**HRS (Hydrobond Rubber Sealing)
Underwater Matable Connector
HRS_08-01**



Electrical and Environmental:

Pin Current Rating: 400 Amps
 Pin Voltage Rating: 2,000 V rms
 Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
 Contact to Body IR: >1,000 MOhms @ 1,000 V dc
 Mated Depth Rating: 2,440 MSW
 Temperature Rating: -20 ° C to +60 ° C
 Conductor Tail Size: High Voltage Cable
 Conductor Crimp Size: 185 sq.mm

Standard Material Specification:

Body: 316 Stainless Steel
 Fix Ring: Aluminium Silicon Bronze
 Back Shell: N/A
 Contact Pins: CZ121/Au
 Contact Sockets: CZ121/Au
 Insert Material: Neoprene
 Conductor Tails: N/A
 O – Rings: NI70

Data Sheet:

Issue: 01
 Approved by:

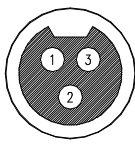
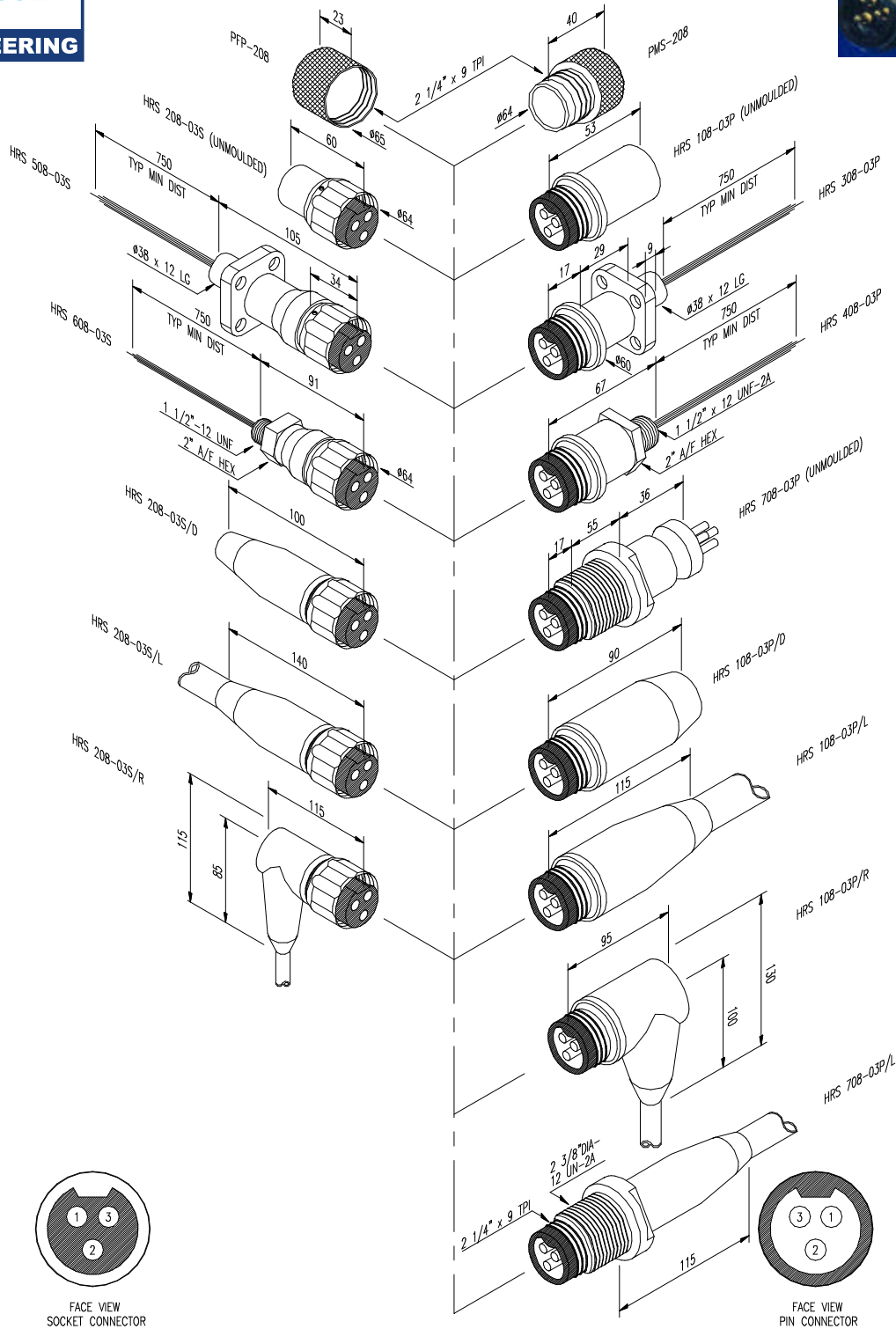
Mechanical:

Lengths = mm
 Threads = Inches
 Mounting Detail:
 See Mounting Detail
 Section of Binder

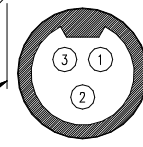
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**HRS (Hydrobond Rubber Sealing)
Underwater Mateable Connector
HRS_08-03**



FACE VIEW
SOCKET CONNECTOR



FACE VIEW
PIN CONNECTOR

Electrical and Environmental:
 Pin Current Rating: 95 Amps
 Pin Voltage Rating: 3,300 V rms
 Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
 Contact to Body IR: >1,000 MOhms @ 1,000 V dc
 Mated Depth Rating: 2,440 MSW
 Temperature Rating: -20 ° C to +60 ° C
 Conductor Tail Size: 25 sq.mm
 Solder Bucket Size: 5.5 mm dia

Standard Material Specification:
 Body: 316 Stainless Steel
 Fix Ring: Aluminium Silicon Bronze
 Back Shell: N/A
 Contact Pins: CZ121/Au
 Contact Sockets: CZ121/Au
 Insert Material: Neoprene
 Conductor Tails: Radox 125
 O – Rings: NI70

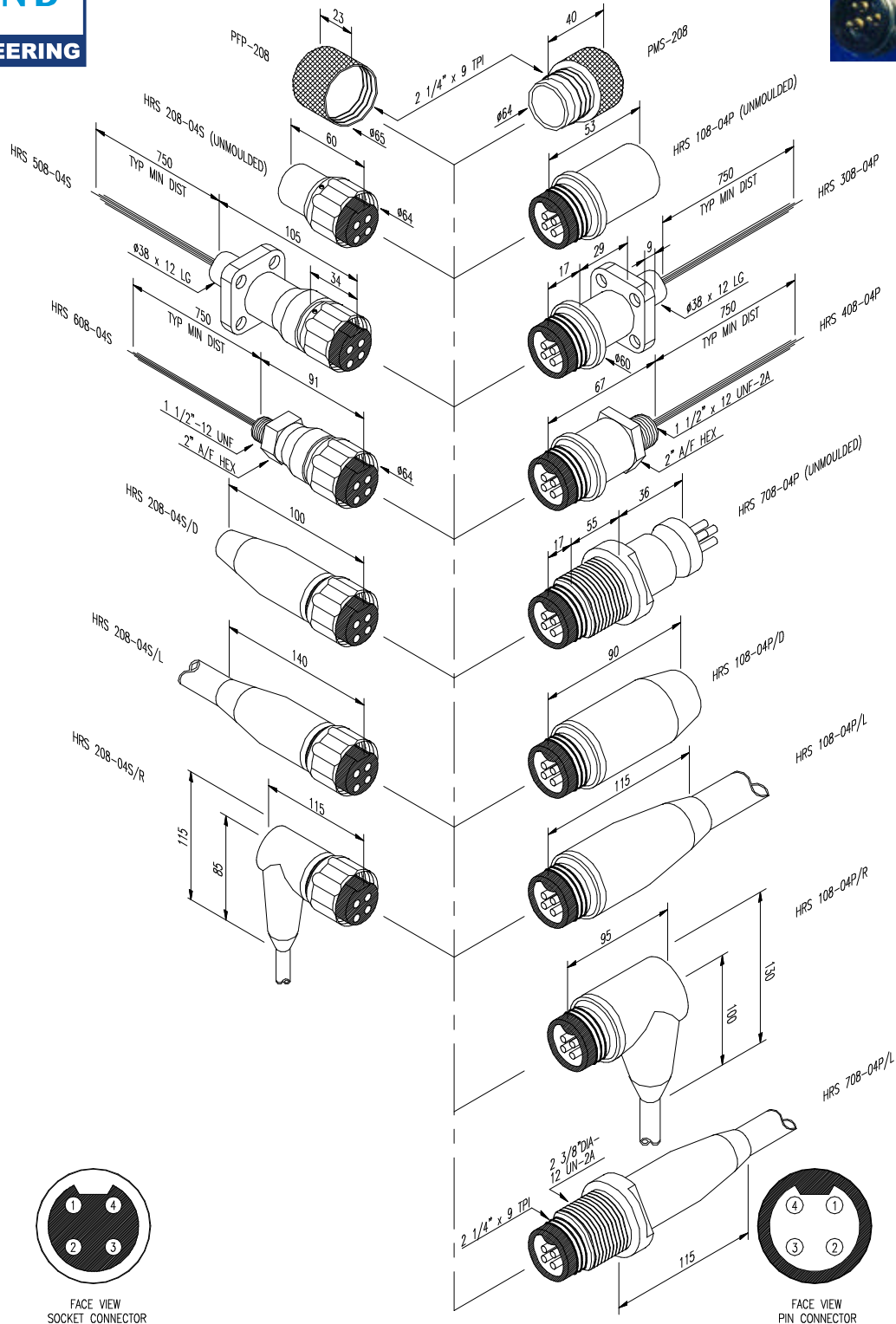
Data Sheet:
 Issue: 01
 Approved by:

Mechanical:
 Lengths = mm
 Threads = Inches
Mounting Detail:
 See Mounting Detail
 Section of Binder

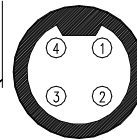
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**HRS (Hydrobond Rubber Sealing)
Underwater Mateable Connector
HRS_08-04**



FACE VIEW
SOCKET CONNECTOR



FACE VIEW
PIN CONNECTOR

Electrical and Environmental:

Pin Current Rating: 80 Amps
 Pin Voltage Rating: 2,000 V rms
 Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
 Contact to Body IR: >1,000 MOhms @ 1,000 V dc
 Mated Depth Rating: 2,440 MSW
 Temperature Rating: -20 ° C to +60 ° C
 Conductor Tail Size: 25 sq.mm
 Solder Bucket Size: 8.0 mm dia

Standard Material Specification:

Body: 316 Stainless Steel
 Fix Ring: Aluminium Silicon Bronze
 Back Shell: N/A
 Contact Pins: CZ121/Au
 Contact Sockets: CZ121/Au
 Insert Material: Neoprene
 Conductor Tails: Polyrad X 0.75 m.
 O – Rings: NI70

Data Sheet:

Issue: 01
 Approved by:

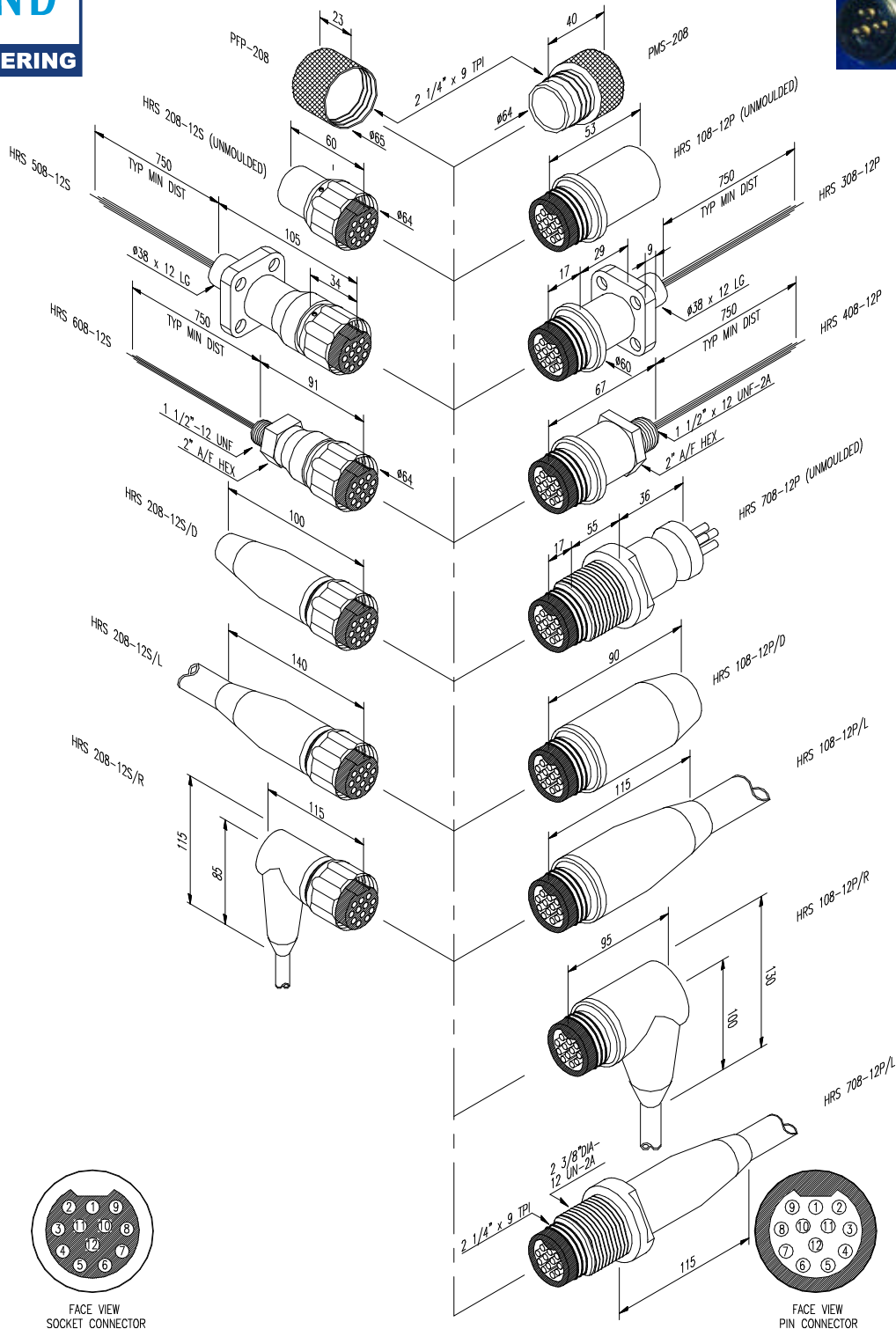
Mechanical:

Lengths = mm
 Threads = Inches
 Mounting Detail:
 See Mounting Detail
 Section of Binder

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HRS (Hydrobond Rubber Sealing) Underwater Mateable Connector HRS_08-12



Electrical and Environmental:

Pin Current Rating: 12 Amps
 Pin Voltage Rating: 2,000 V rms
 Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
 Contact to Body IR: >1,000 MOhms @ 1,000 V dc
 Mated Depth Rating: 2,440 MSW
 Temperature Rating: -20 ° C to +60 ° C
 Conductor Tail Size: 12 AWG
 Solder Bucket Size: 3.0 mm dia

Standard Material Specification:

Body: 316 Stainless Steel
 Fix Ring: Aluminium Silicon Bronze
 Back Shell: N/A
 Contact Pins: CZ121/Au
 Contact Sockets: CZ121/Au
 Insert Material: Neoprene
 Conductor Tails: Spec 44 X 0.75 m.
 O – Rings: NI70

Data Sheet:

Issue: 01
 Approved by:

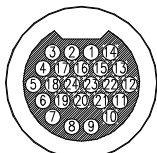
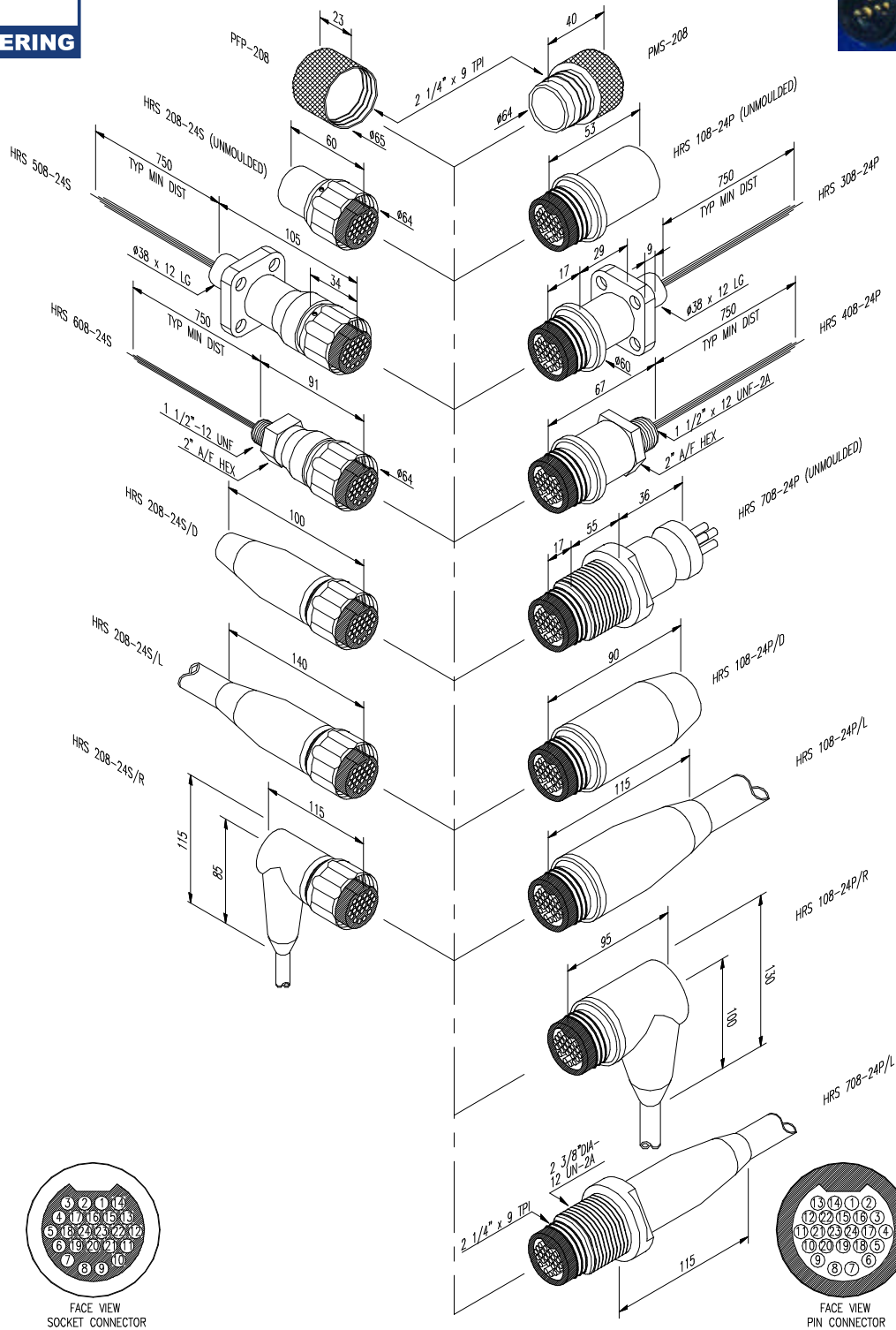
Mechanical:

Lengths = mm
 Threads = Inches
 Mounting Detail:
 See Mounting Detail
 Section of Binder

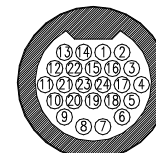
**HYDRO
BOND**

ENGINEERING

HRS (Hydrobond Rubber Sealing) Underwater Mateable Connector HRS_08-24



FACE VIEW
SOCKET CONNECTOR



FACE VIEW
PIN CONNECTOR

Electrical and Environmental:

- Pin Current Rating: 5 Amps
- Pin Voltage Rating: 2,000 V rms
- Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
- Contact to Body IR: >1,000 MOhms @ 1,000 V dc
- Mated Depth Rating: 2,440 MSW
- Temperature Rating: -20 °C to +60 °C
- Conductor Tail Size: 18 AWG
- Solder Bucket Size: 2.5 mm dia

Standard Material Specification:

- Body: 316 Stainless Steel
- Fix Ring: Aluminium Silica Bronze
- Back Shell: N/A
- Contact Pins: CZ121/Au
- Contact Sockets: CZ121/Au
- Insert Material: Neoprene
- Conductor Tails: Spec 44 X 0.75 m.
- O – Rings: NI70

Data Sheet:

- Issue: 01
- Approved by:

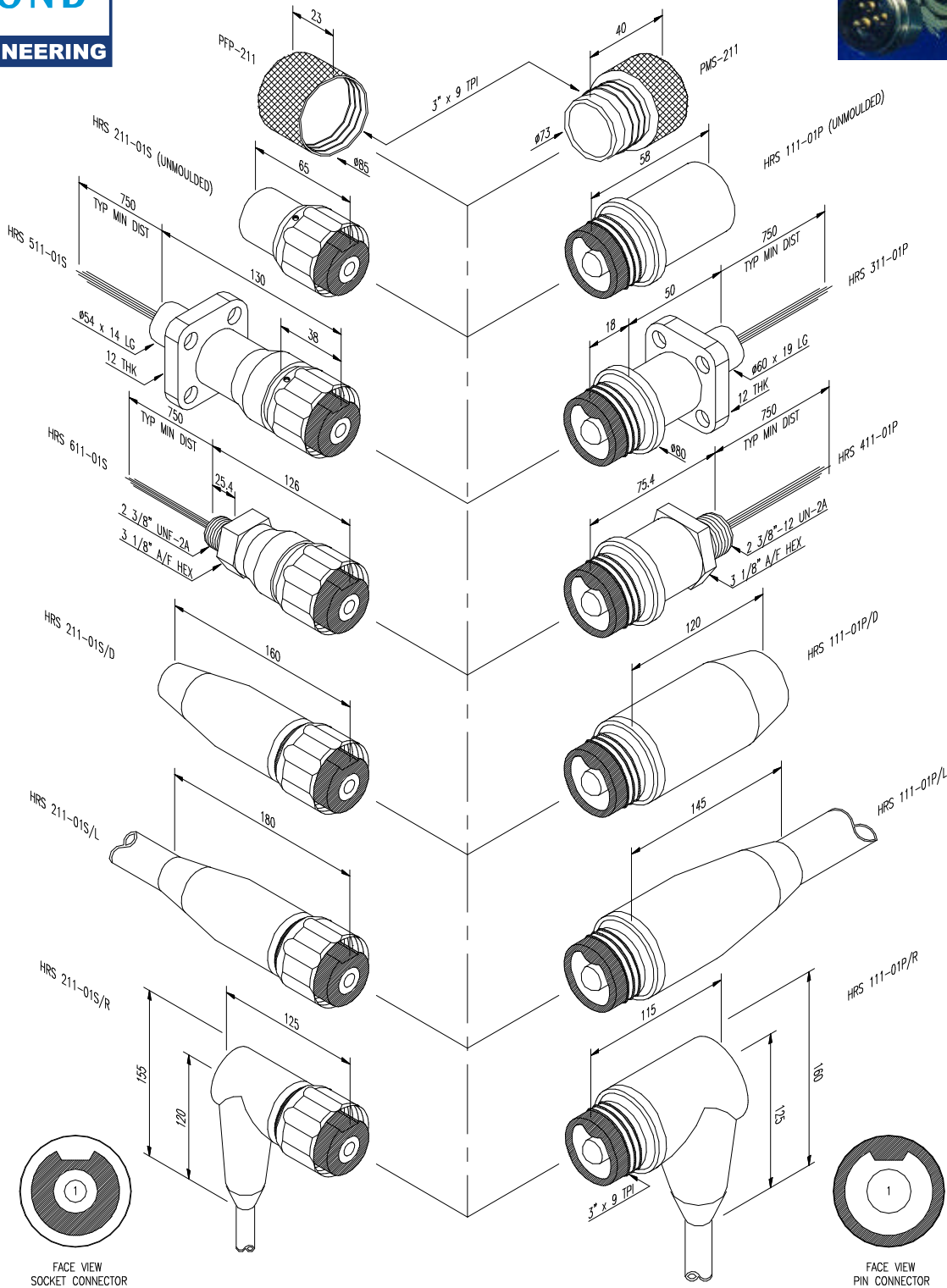
Mechanical:

- Lengths = mm
- Threads = Inches
- Mounting Detail:
See Mounting Detail
Section of Binder

**HYDRO
BOND**

ENGINEERING

**HRS (Hydrobond Rubber Sealing)
Underwater Mateable Connector
HRS_11-01**



Electrical and Environmental:

Pin Current Rating: 750 Amp
 Pin Voltage Rating: 2,000 V rms
 Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
 Contact to Body IR: >1,000 MOhms @ 1,000 V dc
 Mated Depth Rating: 2,440 MSW
 Temperature Rating: -20 °C to +60 °C
 Conductor Tail Size: Details on Application
 Crimp Bucket Size: 27 mm dia.

Standard Material Specification:

Body: 316 Stainless Steel
 Fixed Ring: Aluminium Silica Bronze
 Back Shell: N/A
 Contact Pins: CZ121/AU
 Contact Sockets: CZ121/AU
 Insert Material: Neoprene
 Conductor Tails: EPR,CSP,PU
 BS6195. X 0.75 m.
 O – Rings: NI70

Data Sheet:

Issue: 02
 Approved by:

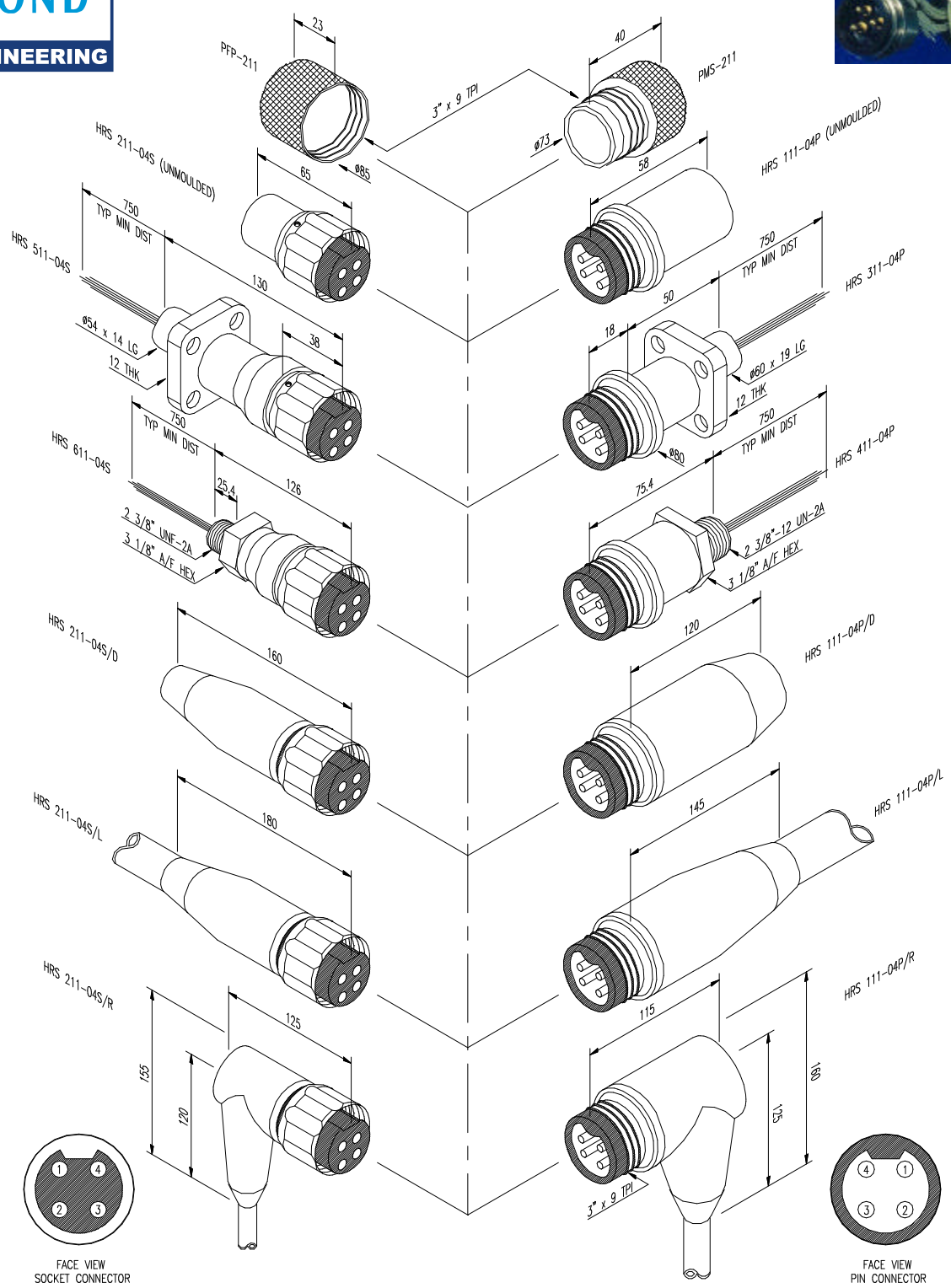
Mechanical:

Lengths = mm
 Threads = Inches
 Mounting Detail:
 See Mounting Detail
 Section of Binder

**HYDRO
BOND**

ENGINEERING

**HRS (Hydrobond Rubber Sealing)
Underwater Mateable Connector
HRS_11-04**



Electrical and Environmental:
 Pin Current Rating: 150 Amp
 Pin Voltage Rating: 2,000 V rms
 Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
 Contact to Body IR: >1,000 MOhms @ 1,000 V dc
 Mated Depth Rating: 2,440 MSW
 Temperature Rating: -20 ° C to +60 ° C
 Conductor Tail Size: 35 sq.mm
 Solder Bucket Size: 5.75 mm dia

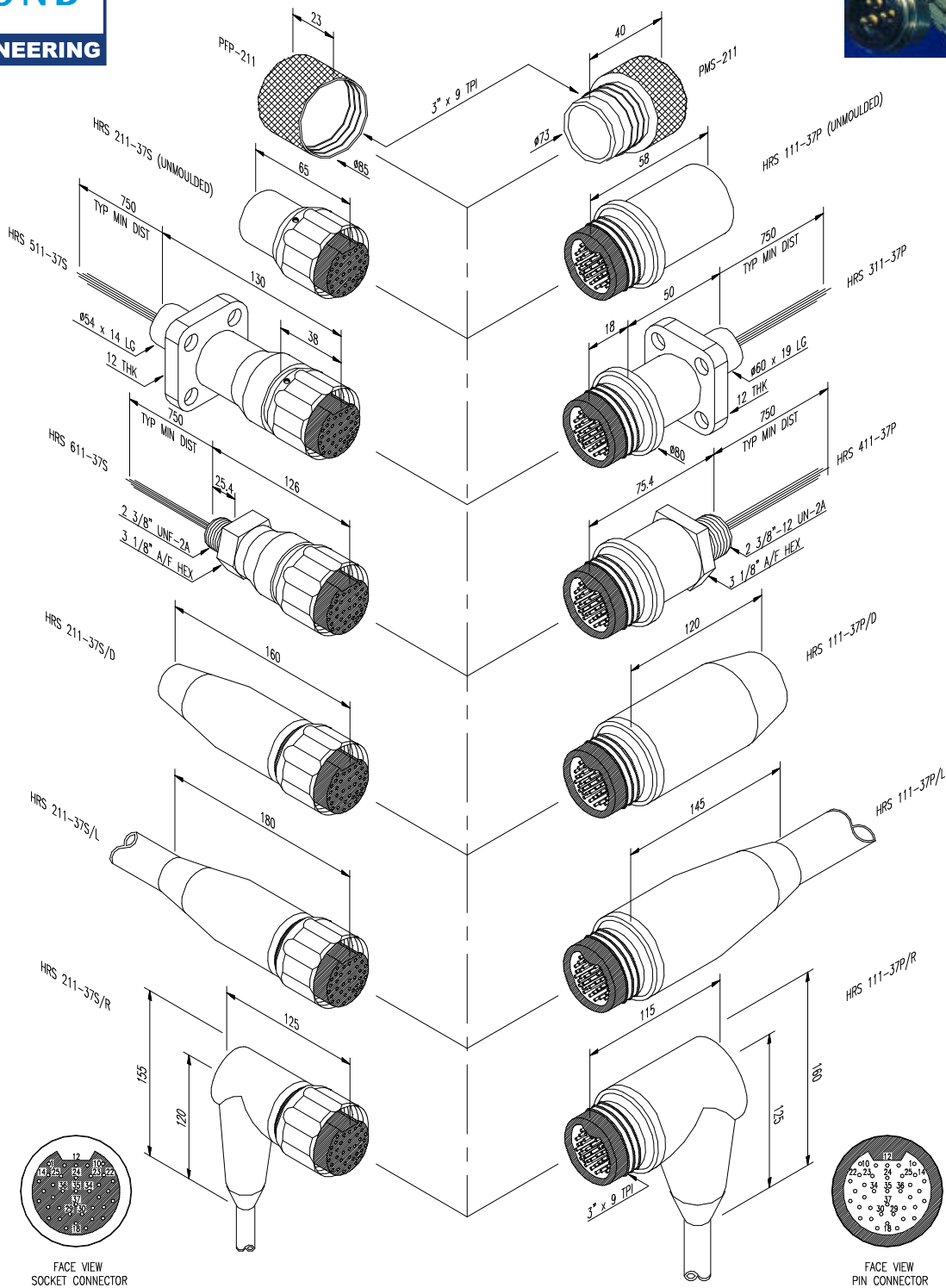
Standard Material Specification:
 Body: 316 Stainless Steel
 Fix Ring: Aluminium Silicon Bronze
 Back Shell: N/A
 Contact Pins: CZ121/Au
 Contact Sockets: CZ121/Au
 Insert Material: Neoprene
 Conductor Tails: Radox 125, 0.75 m.
 O – Rings: NI70

Data Sheet:
 Issue: 01
Approved by:
Mechanical:
 Lengths = mm
 Threads = Inches
Mounting Detail:
 See Mounting Detail Section of Binder

**HYDRO
BOND**

ENGINEERING

HRS (Hydrobond Rubber Sealing) Underwater Mateable Connector HRS_11-37



Electrical and Environmental:

- Pin Current Rating: 4 Amps
- Pin Voltage Rating: 2,000 V rms
- Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
- Contact to Body IR: >1,000 MOhms @ 1,000 V dc
- Mated Depth Rating: 2,440 MSW
- Temperature Rating: -20 °C to +60 °C
- Conductor Tail Size: 18 AWG
- Solder Bucket Size: 2.5 mm dia

Standard Material Specification:

- Body: 316 Stainless Steel
- Fix Ring: Aluminium Silicon Bronze
- Back Shell: N/A
- Contact Pins: CZ121/Au
- Contact Sockets: CZ121/Au
- Insert Material: Neoprene
- Conductor Tails: Spec 44 X 0.75 m.
- O – Rings: NI70

Data Sheet:

- Issue: 01
- Approved by:

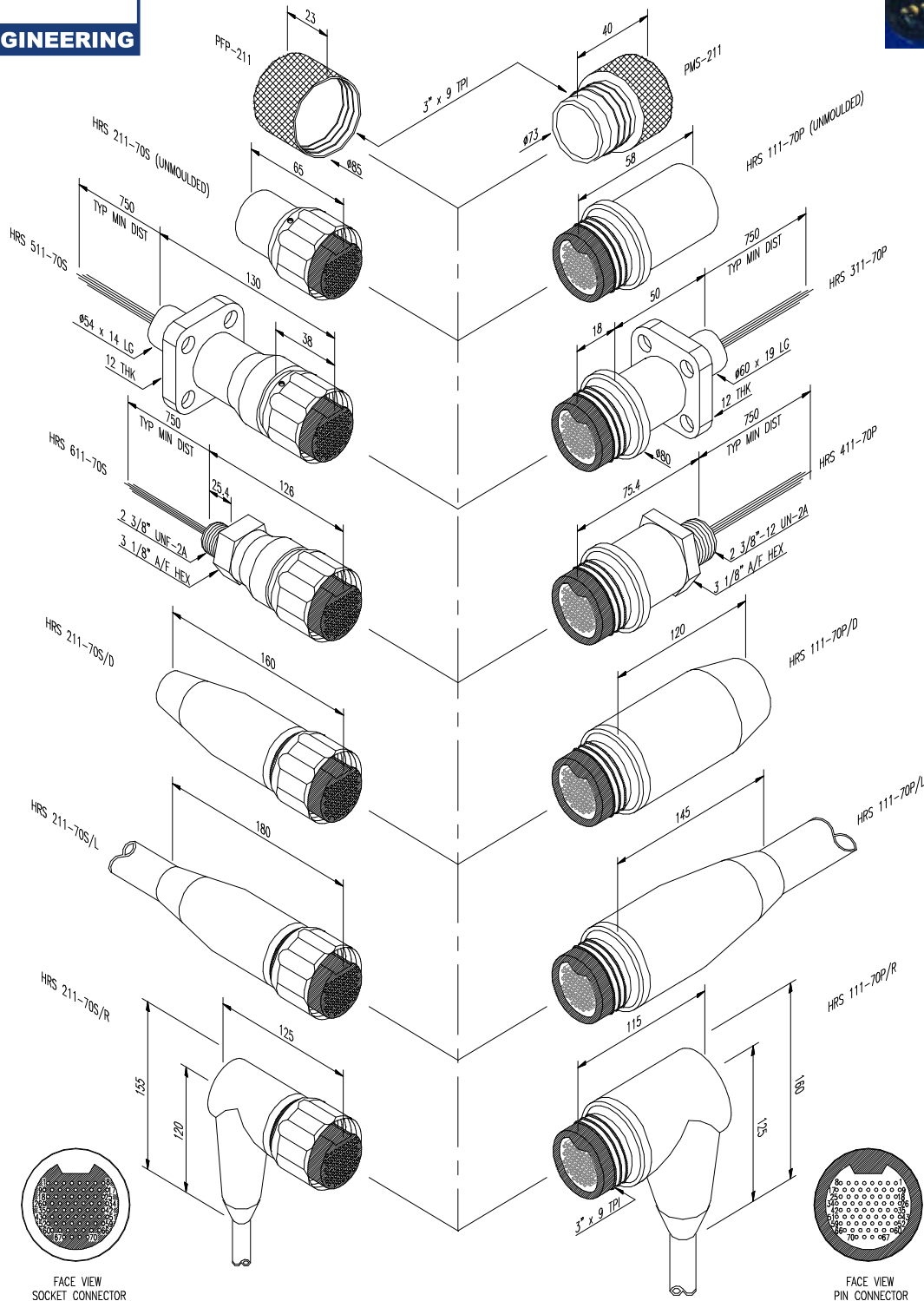
Mechanical:

- Lengths = mm
- Threads = Inches
- Mounting Detail:**
See Mounting Detail
Section of Binder

**HYDRO
BOND**

ENGINEERING

**HRS (Hydrobond Rubber Sealing)
Underwater Mateable Connector
HRS_11-70**



Electrical and Environmental:

Pin Current Rating: 2 Amps
 Pin Voltage Rating: 2,000 V rms
 Contact to Contact IR: >1,000 MOhms @ 1,000 V dc
 Contact to Body IR: >1,000 MOhms @ 1,000 V dc
 Mated Depth Rating: 2,440 MSW
 Temperature Rating: -20 °C to +60 °C
 Conductor Tail Size: 18 AWG
 Solder Bucket Size: 2.5 mm dia

Standard Material Specification:

Body: 316 Stainless Steel
 Fix Ring: Aluminium Silicon Bronze
 Back Shell: N/A
 Contact Pins: CZ121/Au
 Contact Sockets: CZ121/Au
 Insert Material: Neoprene
 Conductor Tails: Spec 44 X 0.75 m.
 O – Rings: NI70

Data Sheet:

Issue: 01
 Approved by:

Mechanical:

Lengths = mm
 Threads = Inches
 Mounting Detail:
 See Mounting Detail
 Section of Binder