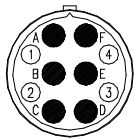
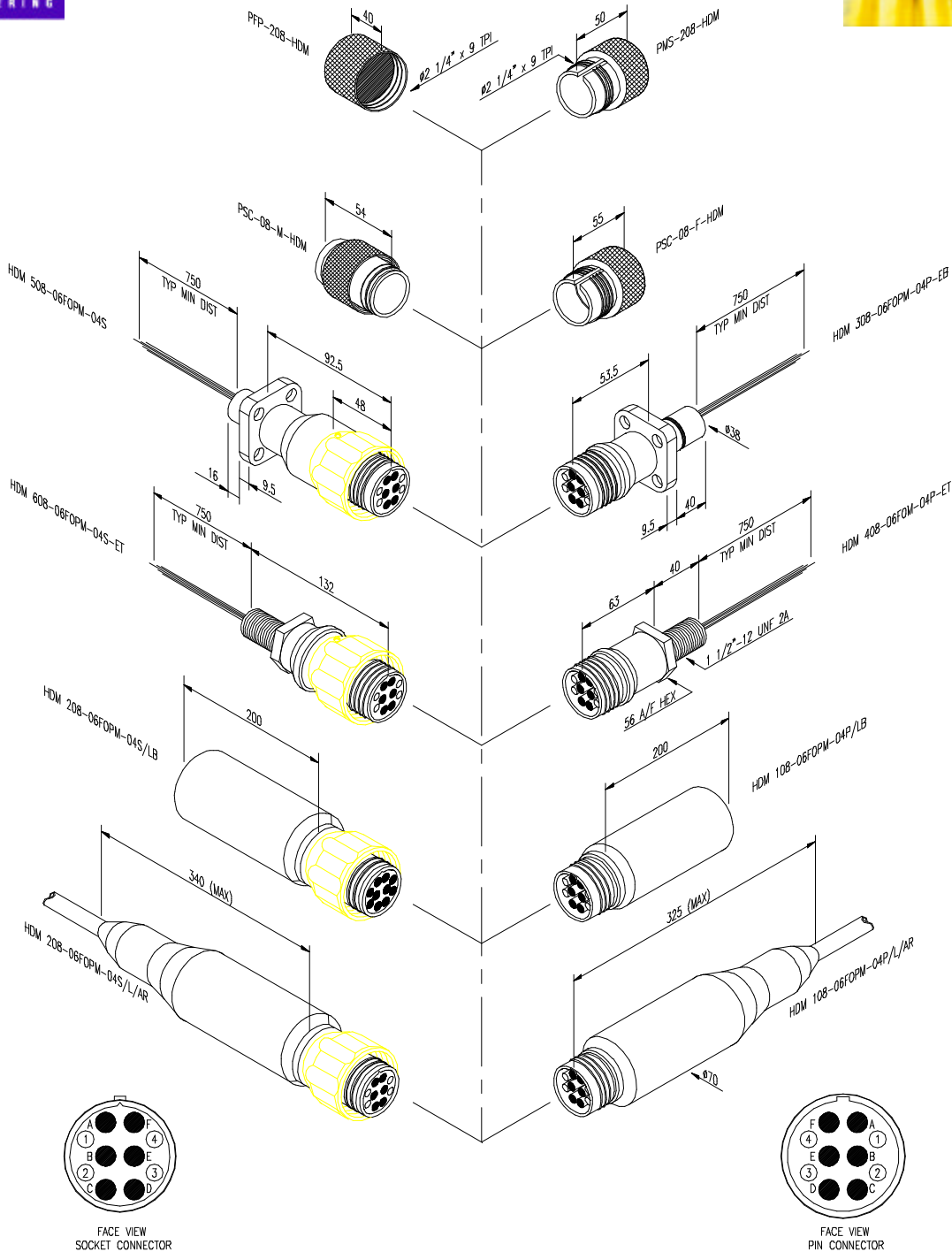
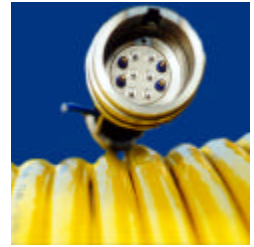
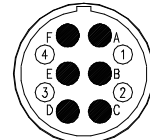




# HDM (Hydrobond Deck Mate) Surface Mateable all Optical Connectors & Hybrid Optical / Electrical Connectors HDM\_08-06FOP\_-\_ /04P



FACE VIEW  
SOCKET CONNECTOR



FACE VIEW  
PIN CONNECTOR

**Electrical, Optical and Environmental:**

Optical paths: **6 X Fibre Optic (Multi/Single Mode)**  
 Typical Insertion Loss: **≤ 0.5 dB**  
 Typical (SM) Back Reflection: **< - 30 dB return loss**  
 Pin Current Rating: **20 Amps**  
 Pin Voltage Rating: **1,000 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: **3,450 MSW**  
 Temperature Rating: **-20 ° C to +60 ° C**  
 Conductor Tail Size: **12 AWG**  
 Solder Bucket Size: **2.5 mm dia**

**Standard Material Specification:**

Body: **316 Stainless Steel**  
 Fix Ring: **Aluminium Silicon Bronze**  
 Back Shell: **N/A**  
 Optical Ferrule: **Ceramic**  
 Optical alignment sleeve: **Ceramic**  
 Contact Pins: **CZ121/Au**  
 Contact Sockets: **CZ121/Au**  
 Insert Material: **Peek**  
 Conductor Tails: **Spec 44 X 1.0 m.**  
 Optical Tails: **Simplex ruggardised X 1.0 m. Terminated with ST connectors**  
 O – Rings: **NI70**

**Data Sheet:**

Issue: **01**  
 Approved by:

**Mechanical:**

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