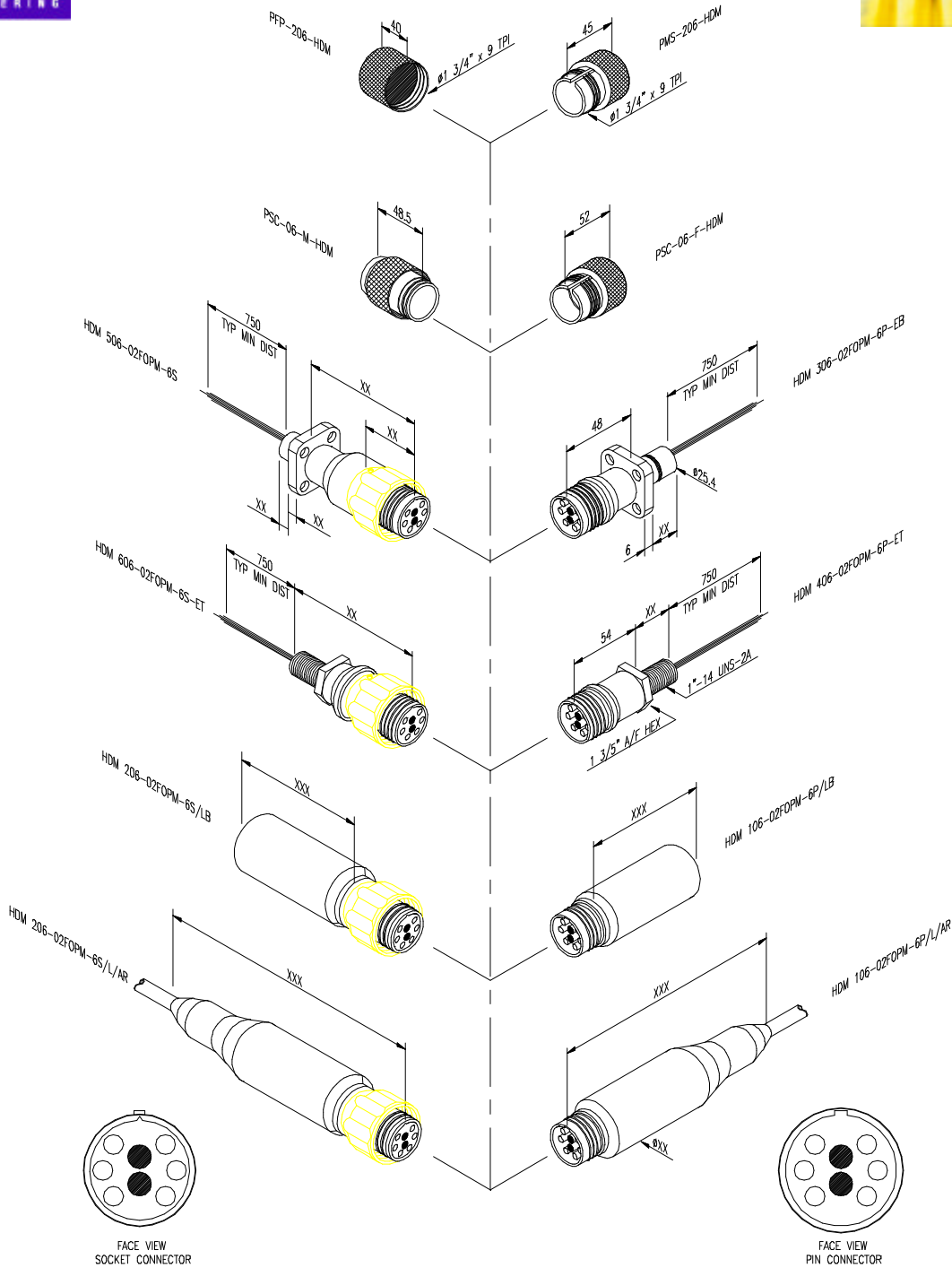
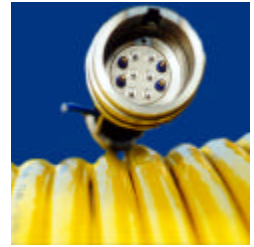




# HDM (Hydrobond Deck Mate) Surface Mateable all Optical Connectors & Hybrid Optical / Electrical Connectors HDM\_06-02FOP\_-\_/06P



### Electrical, Optical and Environmental:

Optical paths: 2 X Fibre Optic (Multi/Single Mode)  
 Typical Insertion Loss:  $\leq 0.5$  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:  $-20^\circ \text{C}$  to  $+60^\circ \text{C}$   
 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