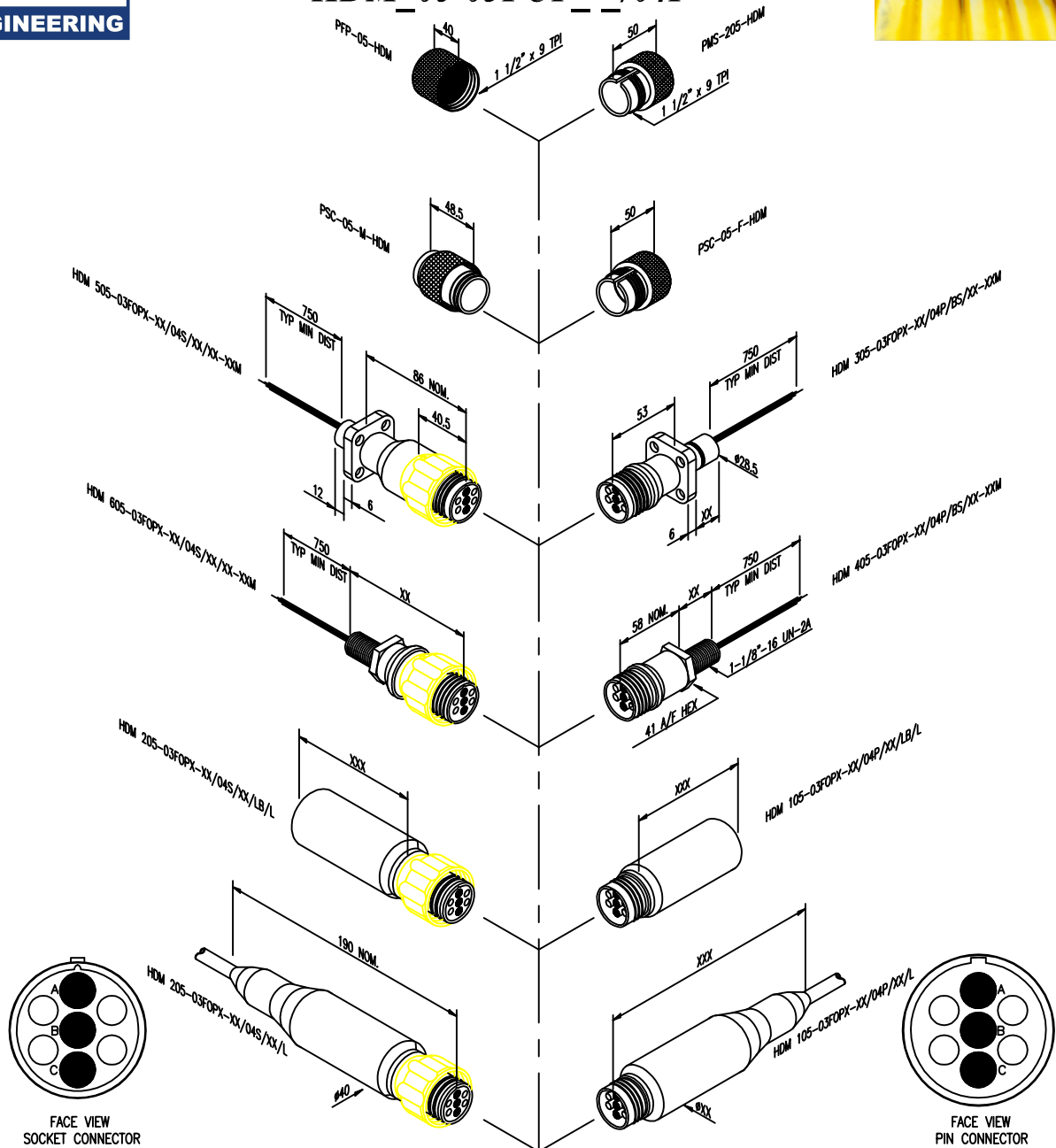




# HDM (Hydrobond Deck Mate) Surface Mateable all Optical Connectors & Hybrid Optical / Electrical Connectors

## HDM\_05-03FOP\_- /04P



### Electrical and Environmental:

- Optical Paths: 3 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:  $-20$  °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
- BackShell: 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 ruggedised X 1.0 m. Terminated with ST connectors
- O - Rings: NI70

### Mechanical:

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