

# Amphenol

## HDM Series

Hermaphroditic Duplex  
Miniature



The Fibre Optic Hermaphroditic range has now developed an additional product, the Hermaphroditic Duplex. This product has been specially designed to facilitate the interconnection of Fibre Optic Cable assemblies, thus eliminating the need for polarising the assemblies and the use of in-line adapters.

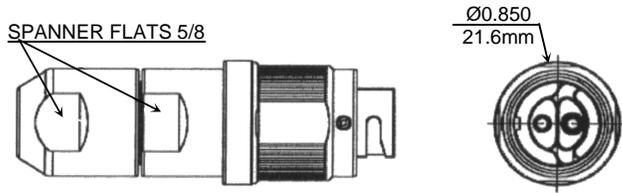
- Lightweight, small design, outer diameter of coupling ring measures less than 22.00mm
- Low loss ceramic PC technology in multimode and singlemode
- Connector and monobloc environmentally sealed
- Fully hermaphroditic wipe clean bayonet mating mechanism
- Fully removable front receptacle shell, for cleaning whilst insitu
- Plug backshell allows for the removal of the ferrule monobloc for ease of cleaning
- Choice of materials and plating
- High tension cable load capability

**Amphenol**

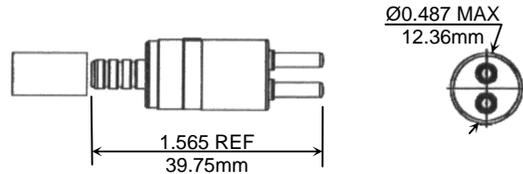
Visit our Website @  
[www.amphenol.co.uk](http://www.amphenol.co.uk)

Technical Information

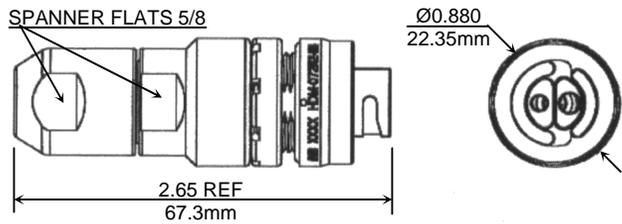
**HDM PLUG ASSEMBLY  
HDM-062XX-014**



**HDM MONOBLOC SUB ASSEMBLY  
HDM-49-06-014**

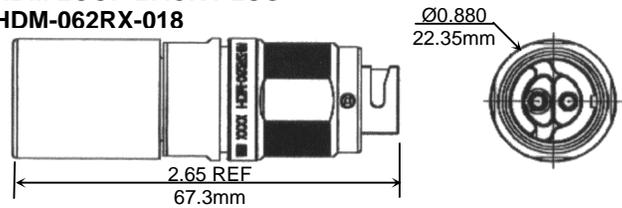


**HDM IN-LINE FREE JAM NUT  
RECEPTACLE ASSEMBLY  
HDM-072XX-014**

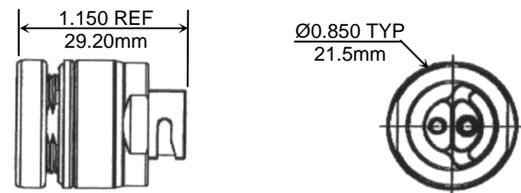


TO SUIT HDM-062XX-XXX  
AND HDM-072XX-XXX

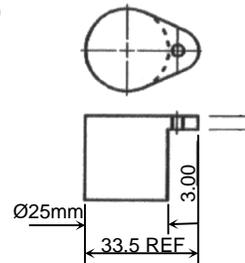
**HDM LOOP BACK PLUG  
HDM-062RX-018**



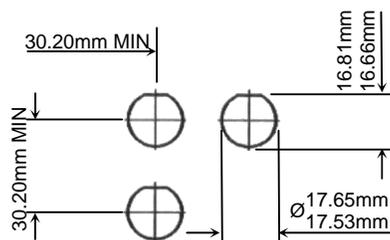
**HDM PANEL MOUNT JAM NUT  
RECEPTACLE ASSEMBLY  
HDM-072RX-011**



**HDM DUST CAP ASSEMBLY  
960-990**



**RECOMMENDED PANEL PIERCING  
FOR HDM-072XX-XXX SCALE 1:2**



**Performance**

Optical	
Insertion Loss	Typically 0.3dB using 62.5/125
Repeatability	<0.15dB
Fibre Types	50/125 62.5/125 9/125
Termination Method	Epoxy / Polish

Environmental	
Temperature Range	-55°C / +85°C cable dependant

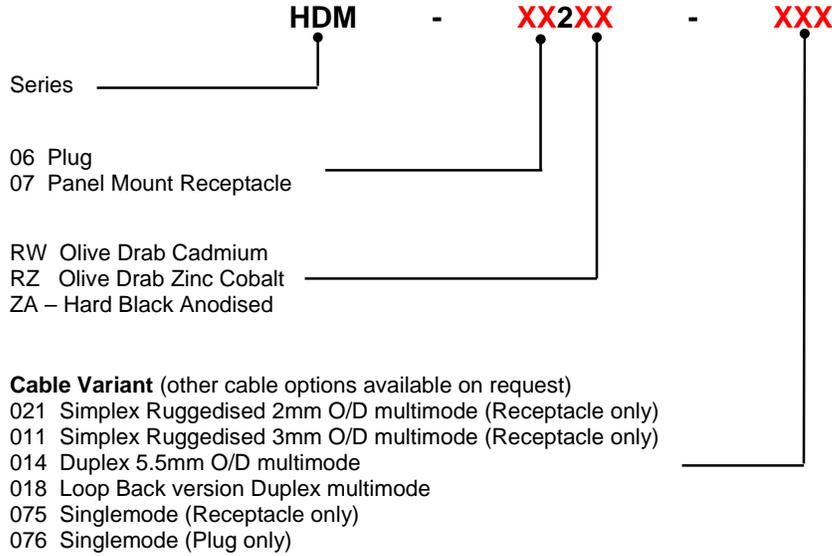
Mechanical	
Durability	500 matings
Materials	Shell : Aluminium
	Ferrule : Zirconia
	Alignment Sleeve : Ceramic
	Seals : Silicone

Termination Tooling	
Basic Kit	927 – 100 – 3000
HDM Add On	927 – 100 – 4200
Consumable Pack	927 – 100 – 6000 Approx 50 terminations

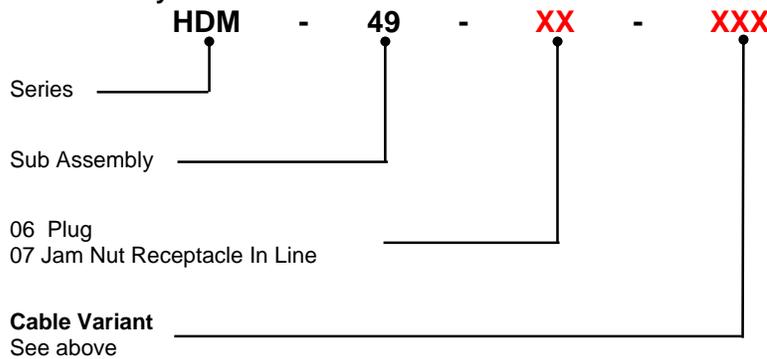


HDM Series – Hermaphroditic Duplex Miniature

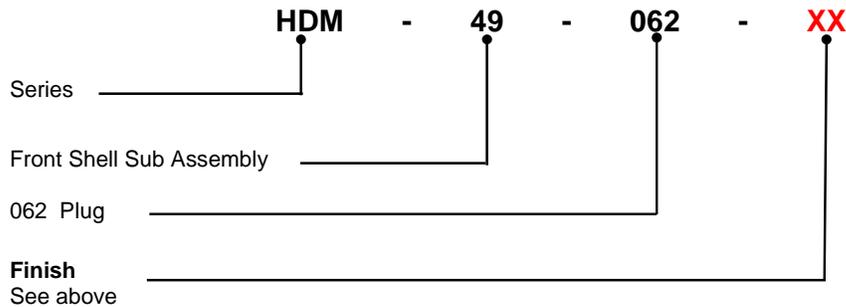
**Part Number Information**



**Sub Assembly**



**Front Shell Sub Assembly**



**Dust Cap**                    **960-990**                    -                    Includes Terelene Cord and Crimp ferrule

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