

HDA High Density Adaptor

From Board to Bulkhead

The HDA has been designed to bridge the optical high bandwidth gap from your board to bulkhead, quickly, easily and cost effectively. Utilising the industry standard US Conec MTP® receptacle in the rear of the adaptor and our proven expanded beam technology for the rugged interface, the HDA manages your board to chassis interface in a safe and easy way, protecting the internal connectivity whilst providing a harsh environment expanded beam interface for external connectivity.

Providing more flexibility and versatility during manufacture of your system, the HDA allows for board level assembly and box mounted accessories to remain isolated until much later in the assembly process. When connectivity is required from the transceiver to the HDA, a standard MTP® patch cord is used.

From 2 to 12 channels in singlemode and multimode and various connector configurations such as our MIL-83526/21 derived Junior, Mini, Senior and D38999 SIII derived connectors, getting from your board to the rugged outside world has never been easier.



Features

- US Conec MTP® Connectivity
- Singlemode & Multimode
- 2 to 12 channels
- Expanded Beam Rugged Interface
- Hermaphroditic & D38999 types
- No Termination Required
- Compatible with our Stratos active products

Applications

- Aerospace
- Harsh Environment
- Military Communications

HDA Bulkhead Connector Options

Series	No. of Channels	Bulkhead Flange Style	Panel Mounting	Panel Cut-Out Diameter	Option Possible
Mini-2	4CH	D-Hole	Rear	24.2mm	Yes
		SQ-Flange	Front	19mm	NO
D38999 #11	4CH	Jam Nut	Rear	20.96mm	Yes
		SQ-Flange	Front	15.88mm	NO
		SQ-Flange	Rear	20.22mm	Yes
Junior	4CH	D-Hole	Rear	30mm	Yes
		SQ-Flange	Front	25mm	NO
D38999 #13	4CH	Jam Nut	Rear	25.65mm	Yes
		SQ-Flange	Front	19.05mm	NO
		SQ-Flange	Rear	23.42mm	Yes
Senior	8CH	D-Hole	Rear	30.2mm	Yes
		SQ-Flange	Front	26mm	NO
D38999 #15	8CH	Jam Nut	Rear	28.83mm	Yes
		SQ-Flange	Front	23.01mm	NO
		SQ-Flange	Rear	26.59mm	Yes
Maxi	12CH	D-Hole	Rear	39.2mm	Yes
		SQ-Flange	Front	34mm	Yes
D38999 #17	12CH	Jam Nut	Rear	32.01mm	Yes
		SQ-Flange	Front	25.81mm	NO
		SQ-Flange	Rear	30.96mm	Yes

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Ordering Information

HDA S BD A 8 09 B MP

Connector Family

HDA = High Density Adaptor

END A - Connector Family

S = Senior

J = Junior

END A - Connector Type

BD = Bulkhead D-Hole Mount

Connector Shell Material

A = Aluminium Hard Anodise

AZBK = Aluminium Zinc Cobalt Black

AZOL = Aluminium Zinc Cobalt Olive

S = Stainless Steel

ZNBK = Aluminium Zinc Nickel Black

N = Nickel Aluminium Bronze

Number of Fibres

2 = 2 Optical Channels

4 = 4 Optical Channels

8 = 8 Optical Channels (Senior only)

Fibre Type

09 = 9/125

50 = 50/125

62 = 62.5/125

OM3 = 50/125 OM3

Wavelength of Operation

A = 850 / 1300nm

B = 1310 / 1550nm

C = 1310nm ONLY

D = 1550nm ONLY

END B - Connector Type

0 = No Electrical Contacts Size 20

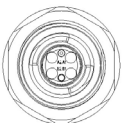
2 = 2 Electrical Contacts Size 20

0 = No Electrical Contacts Size 20

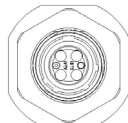
2 = 2 Electrical Contacts Size 20

2 = 2 Electrical Contacts Size 20

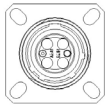
Optical Insert Arrangements



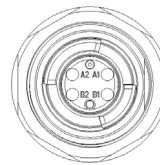
MINI-2 - 4CH
BULKHEAD
D-HOLE



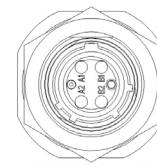
D38999 #11 - 4CH
BULKHEAD
JAM NUT



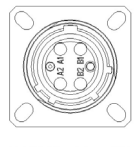
D38999 #11 - 4CH
BULKHEAD
SQ-FLANGE



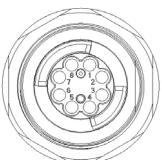
JUNIOR - 4CH
BULKHEAD
D-HOLE



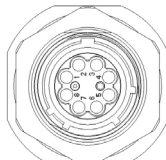
D38999 #13 - 4CH
BULKHEAD
JAM NUT



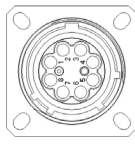
D38999 #13 - 4CH
BULKHEAD
SQ-FLANGE



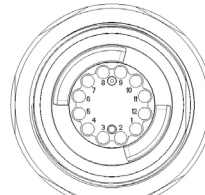
SENIOR - 8CH
BULKHEAD
D-HOLE



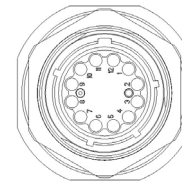
D38999 #15 - 8CH
BULKHEAD
JAM NUT



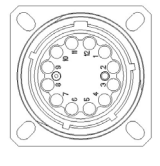
D38999 #15 - 8CH
BULKHEAD
SQ-FLANGE



MAXI - 12CH
BULKHEAD
D-HOLE



D38999 #17 - 12CH
BULKHEAD
JAM NUT



D38999 #17 - 12CH
BULKHEAD
SQ-FLANGE



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