D-Sub connectors - Stamped and Formed Contacts

DUAL PORT D-SUB CONNECTORS

Amphenol's 17H dual port connectors are a state of the art design. The front metal shell helps reduce EMI / RFI emissions.

Designed to save PC board space, Amphenol's dual port provides two I / O connectors in a minimal amount of board space.

Economical dual port connectors

Industrial

• Telecom

 Any industry standard I/O connections

Specifications

• Connectors according to MIL C24308

Materials and platings						
Shells	Steel, tin plated					
Insulator	Glass-filled thermoplastic, UL 94V-0					
Pin contacts	Brass, selected gold in mating area;					
	2.54µm (100µ") min. tin on termination					
	area over 1.27µm (50µ") min. nickel					
Socket contact	Phosphor bronze, selected gold in					
	mating area; 2.54µm (100µ") min. tin					
	on termination area over 1.27μm					
	(50µ") min. nickel					
Rear insert	Brass, 2.54μm (100μ") min. nickel plated					
Boardlock	Phosphor bronze, 2.54µm (100µ") min. tin					
	plated					
Screwlock	Brass, 2.54μm (100μ") min. nickel plated					

Electrical Data					
Current rating	3A				
Voltage rating	250V AC/rms 60Hz				
Withstanding voltage	1000V AC/rms 60Hz for one minute				
Insulation resistance	1000ΜΩ				
Contact resistance	20mΩ max				

Climatic Data							
Operating temperature Salt spray	-55°C to +125°C 24 hours						

Mechanical Data

Single contact insertion force 0.54kg (1.19lb) max Single contact withdrawal force 0.06kg (0.13lb) min Mating and unmating force

Unit: kg (lb)

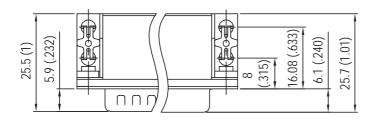
No. of Cts	Mate (max)	Unmate (min)
9	3.05 (6.74)	0.36 (0.79)
15	5.09 (11.24)	0.46 (1.01)
25	8.44 (18.66)	0.81 (1.8)
15 (Hi-den)	3.81 (8.42)	0.52 (1.14)

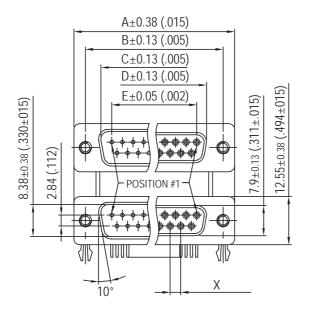
Standard plating thicknesses

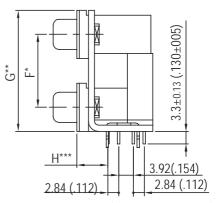
- gold flash
- 0.4µm (15µ") gold
- 0.76 µm (30µ") gold



Shell size dimensions- standard and high density



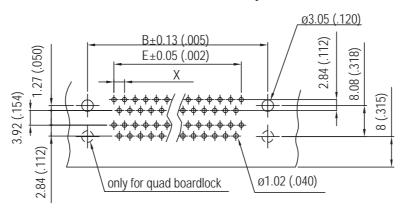




- * spacing between ports (see "how to order" for dimensions) * spacing between ports (see "how to order" for dimensions "profile distance (see "how to order" for dimensions) "Footprint options (see "how to order" for dimensions) H*** Standard Density (SD)
 High Density (HD)
 SD / SD = 8.08mm (.318")
 SD / HD = 5.08mm (.200")
 = 8.89mm (.350")
 HD / HD = 8.89mm (.350")
 = 5.08mm (.200")

- = 5.08mm (.200")

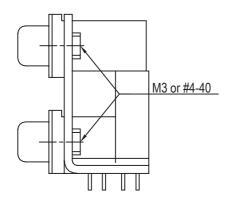
Recommended P.C.B. Layout

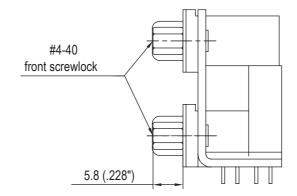


Shell	Nb OF	DIMENSIONS mm (inch)				
Size	CONTACTS	Α	В	C PLUG	D SOCKET	E
Е	9/HD 15	30.84 (1.21)	24.99 (.984)	16.92 (.666)	16.24 (.639)	11.09 (.437)
Α	15/HD 26	39.24 (1.54)	33.32 (1.31)	24.7 (.972)	24.56 (.967)	19.39 (.763)
В	25	53.04 (2.09)	47.04 (1.85)	38.96 (1.53)	38.38 (1.51)	33.24 (1.31)
Е	15 (Hi-den)	30.84 (1.21)	24.99 (.984)	16.92 (.666)	16.24 (.639)	10.31 (.406)
С	37	69.32 (2.73)	63.50 (2.50)	55.42 (2.18)	54.76 (2.16)	49.86 (1.96)

Panel mounting option

Flange mounting options:

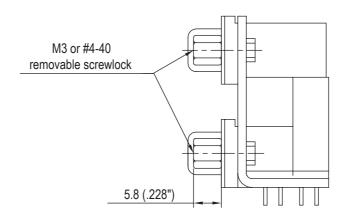




Threaded rear insert

0/4

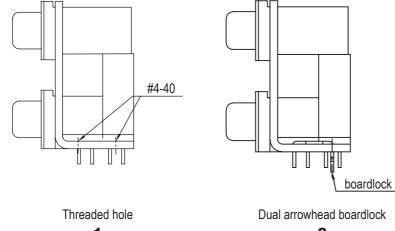
Fixed front female screwlock

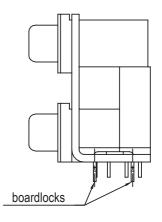


Removable female screwlock

1 / 5

Board mounting options:





2

Quad arrowhead boardlock

Dual Port Connectors

L17H Port Spacing Footprint Options 1 - **F** = 15.88mm (.625") SD / SD G = 28.42mm (1.12") **BLANK** = 8.08mm (.318") 2 - **F** = 19.05mm (.750") SD / HD **G** = 31.60mm (1.24") BLANK = 5.08mm (.200") = 8.89mm (.350") $3 - \mathbf{F} = 22.86$ mm (.900") 889 **G** = 35.41mm (1.39") HD / HD - SCSI BLANK = 8.89mm (.350") G = 12.80mm (.504") 508 = 5.08mm (.200") 7 - **F** = 20.70mm (.815") G = 32.20mm (1.26") **Flange Mounting Options** 0 = 4-40unc Rear Insert **Top Connector** 1 = 4-40unc Removable Screwlock 1 = 9 Pos. Male 3 = 3.05mm (.120") Clear Hole 2 = 9 Pos. Female 4 = M3 Rear Insert 3 = 15 Pos. Male 5 = M3 Removable Screwlock 4 = 15 Pos. Female 7 = 4-40unc Fixed Front Screwlock **5** = 25 Pos. Male 6 = 25 Pos. Female **Board Mounting Options** 7 = 15 Pos. High Density Female 1 = 4 * Threaded 4-40unc Inserts 8 = 50 Pos. Female SCSI 2 = Dual Arrowhead Boardlocks 9 = 26 Pos. High Density Female 3 = Quad Arrowhead Boardlocks J = 15 Pos. High Density Male 4 = 3.18mm (.125") Clear Hole D = 37 Pos. Male E = 37 Pos. Female F = 44 Pos. High Density Male **Shell Plating** G = 44 Pos. High Density Female M = 62 Pos. High Density Male 1 = Bright Tin / Nickel N = 62 Pos. High Density Female P = 78 Pos. High Density Male Q = 78 Pos. High Density Female **Contact Plating** 0 = Flash Gold **Bottom Connector** $1 = 0.4 \mu m (15 \mu'')$ Gold 1 = 9 Pos. Male $2 = 0.76 \mu m (30 \mu'') Gold$ 2 = 9 Pos. Female 3 = Full Flash Gold 3 = 15 Pos. Male $4 = 1.27 \mu m (50 \mu'') Gold$ 4 = 15 Pos. Female 5 = 25 Pos. Male **6** = 25 Pos. Female 7 = 15 Pos. High Density Female 8 = 50 Pos. Female SCSI 9 = 26 Pos. High Density Female K = 15 Pos. High Density Male D = 37 Pos. Male E = 37 Pos. Female

For special request, please consult factory

Do not hesitate to contact us for further information

F = 44 Pos. High Density Male
G = 44 Pos. High Density Female
M = 62 Pos. High Density Male
N = 62 Pos. High Density Female
P = 78 Pos. High Density Male
Q = 78 Pos. High Density Female
R = 9 Pos. Male + 9 Pos. Male
S = 9 Pos. Female + 9 Pos. Female

Amphenol

Amphenol IT & Communication Products

Block A3/A4, The 4th Industrial District of Industrial Headquarters, Dong Keng Road Gong Ming Town, Shen Zhen China Fax:+86(0)755 2754 9955

Technical Support

Tel:+86(0)755 2717 7945 Info-dsub@amphenol.com.cn http://www.dsubconnector.com

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for D-Sub Standard Connectors category:

Click to view products by Amphenol manufacturer:

Other Similar products are found below:

56F706-005-LI 56F711-015 LV242999-142T12 015-0341-000 015-0372-005 015-0372-008 015-8755-001 020419-0104 012-0467-000 012-9507-034 012-9507-114 020745-0008 609-25P CT2-18-11PCAU CT6-10SL-3SC CT6-10SL-4SC CT6-14S-2SC CT6E14SA7SC CT6N10SL-4SSA34 M83513/01-FC M83723/76W24619 L/C M85049/48-3-2F 6STD09PCM99B70X 6STD09SCM99B30X 6STD09SCT99S40X 6STD15PCT99S40X 6STD15SCT99S40X 6STF09PCM05B70X 7-135760-9 MC11E-10-6SN 747552-3 MD1-21PS MDM-15SCBRM7-F222 MDM96517-699 MDM96521-744 MDVB1-21SL1 MIK0-1-7SH003 MIKQ6-7SH076 MIKQ7-7PH077 MIKQ7-7PH11 MIKQ7-7PH32 MJSV-28SL61 MKJ4A1F14-55S 8-135760-3 8STD09PCM99B30X PG-KV/PV-16-GROM-SEALING GDA15P GDAY15PB 980-0000-170 980-0000-171