

Dual Port Connectors

SPECIFICATIONS:

MATERIALS AND PLATINGS

Shells	Steel, tin plated
Contacts	Precision formed copper alloy
Contact Plating	Gold over nickel
Contact Forces	Engagement: 12 oz. max. (340.2 g) Separation: .75 oz. min. (21.26 g)

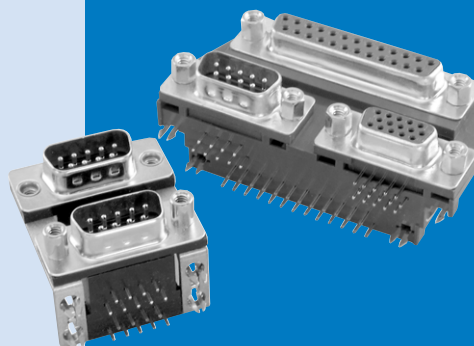
ELECTRICAL DATA

Current Rating	5 amps
Dielectric Withstanding Voltage	1000 VAC/60 sec.
Dielectric	Glass filled thermoplastic, black, UL 94 VO
Contact Resistance	15 milliohms max.

CLIMATIC DATA

Temperature Range	-67°F (-55°C) to 221°F (105°C)
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617 H SERIES

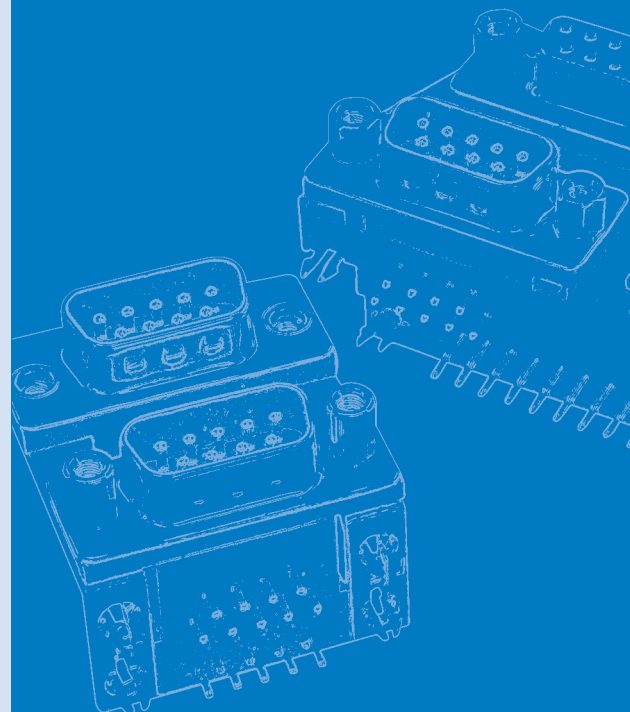


Amphenol's 617 series dual port connectors are a state of the art design. The front metal shell helps reduce EMI/RFI emissions.

Contacts are selectively plated for high performance at a low cost.

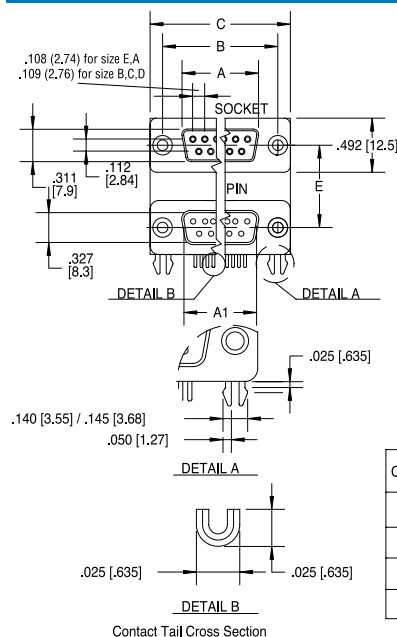
Designed to save PC board space, Amphenol's dual port "D" provides two input output connectors in a minimal amount of board space.

These connectors are available with various stacking options: same gender, mixed gender and multiple pin counts.



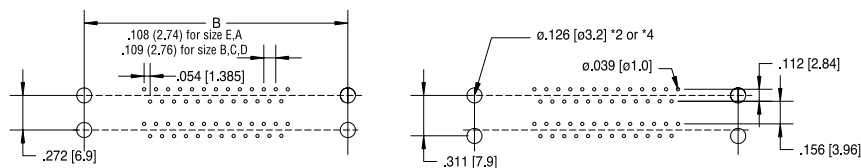
INCHES (MM)

DIMENSIONS



CONTACTS	A SOCKET	A1 PIN	B	C
9	.642 [16.30]	.666 [16.92]	.984 [25.0]	1.213 [30.8]
15	.969 [24.6]	.994 [25.25]	1.311 [33.3]	1.543 [39.2]
25	1.508 [38.3]	1.534 [38.96]	1.854 [47.1]	2.091 [53.1]
37	2.157 [54.8]	2.182 [55.42]	2.50 [63.5]	2.732 [69.4]

Code Letter	Product Description		Dimensions	
	Top Connector	Bottom Connector	E	F
A	Pin	Pin	0.900 ± 0.010 (22.86 ± 0.25)	1.415 (35.94)
B	Socket	Socket		
C	Pin	Socket		
D	Socket	Pin		
E	Pin	Pin	0.750 ± 0.010 (19.05 ± 0.25)	1.265 (32.13)
F	Socket	Socket		
G	Pin	Socket		
H	Socket	Pin		
J	Pin	Pin	0.625 ± 0.010 (15.88 ± 0.25)	1.140 (28.96)
K	Socket	Socket		
L	Pin	Socket		
M	Socket	Pin		



PCB EDGE

ORDERING INFORMATION

617H - X - XX - X - XX - X - XX - X

Series
617H Dual port;
right angle solder tail

Code Boardlock
C Boardlock option
O No PC boardlock

Code Number of Contacts

18	2 x 9	15	15 over blank
30	2 x 15	34	9 / 25
50	2 x 25	43	25 / 9+9
74	2 x 37	H15A	VGA / Triple Audio
40	15 / 25		

Consult factory for other available configurations

58.064 (22.86) Spacing	48.388 (19.05) Spacing	40.31 (15.87) Spacing	Product Description	
A	E	J	Top Connector	Bottom Connector
A	E	J	Pin	Pin
B	F	K	Socket	Socket
C	G	L	Pin	Socket
D	H	M	Socket	Pin

For filtered version, see page 55.

Variation Code
L for .311 (7.89) Footprint

Code Housing Characteristics

00 Steel shell, tin plated receptacles without grounding dimples (options B, F, K)

01 Steel shells, tin plated plugs with grounding dimples (options A, E, J)

03 Steel shells, tin plated, plug shell with grounding dimples and receptacle shell without dimples (options C, G, L, D, H, M)

Code Panel Mounting Options

0 120° clear hole

1 #4-40 threaded hole

2 #4-40 threaded hole with female screwlock

Code Contact Plating

BF Engagement area 3µ" (.076µm) gold flash, terminal end area 100µ"/200µ" tin/lead, (2.54µm/5.08µm) tin/lead underplate of 50µ" (1.27µm) nickel

CF Engagement area 15µ" (.381µm) gold flash, terminal end area 100µ"/200µ" (2.54µm/5.08µm) tin/lead underplate of 50µ" (1.27µm) nickel

AJ Engagement area 30µ" (.76µm) gold, terminal end area 100µ"/200µ" (2.54µm/5.08µm) tin/lead underplate of 50µ" (1.27µm) nickel