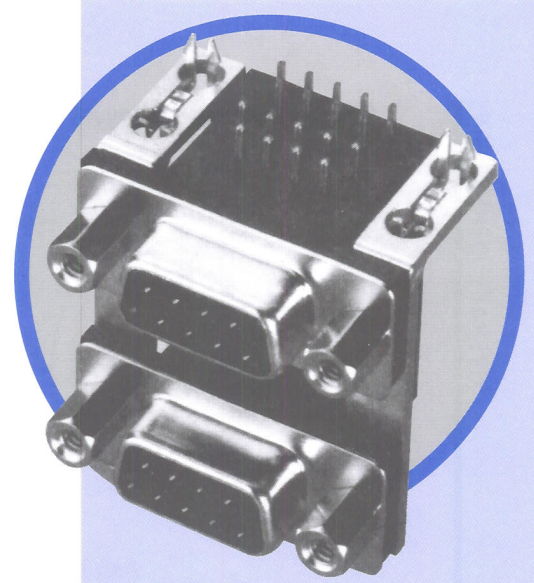


# 17H

D-Sub connectors - Stamped and Formed Contacts

## DUAL PORT D-SUB CONNECTORS



MAIN CHARACTERISTICS

### 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 | 1000MΩ                           |
| Contact resistance    | 20mΩ max                         |

| Climatic Data         |                 |
|-----------------------|-----------------|
| Operating temperature | -55°C to +125°C |
| Salt spray            | 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   |                     |              |
| <ul style="list-style-type: none"> <li>• gold flash</li> <li>• 0.4µm (15µ") gold</li> <li>• 0.76 µm (30µ") gold</li> </ul> |                     |              |

DESCRIPTION

Amphenol's G17H dual port connectors are a state of the art design. The front metal shell helps reduce EMI / RFI emissions.

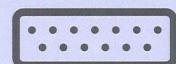
Designed to save PC board space, Amphenol 's dual port provides two I / O connectors in a minimal amount of board space.

*Economical  
dual port  
connectors*

APPLICATIONS

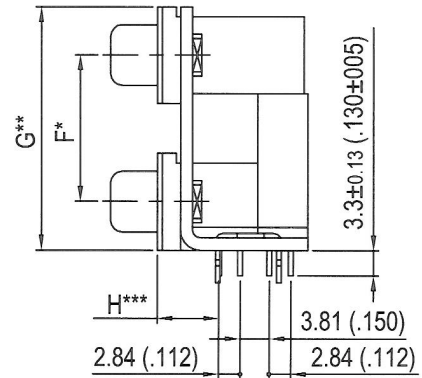
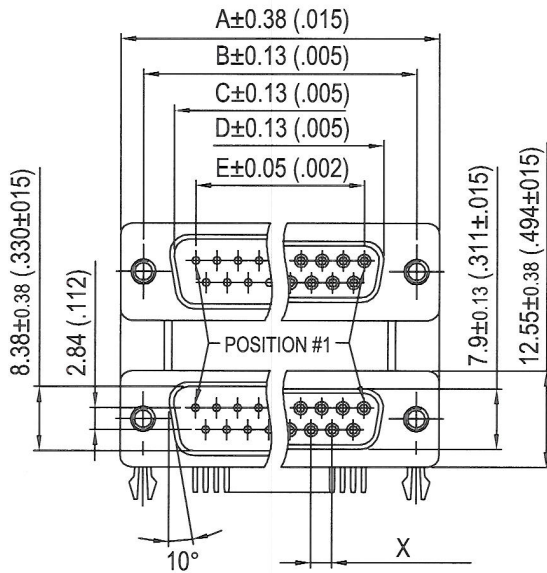
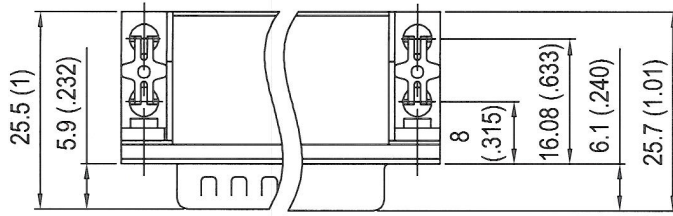
- Industrial
- Telecom
- Any industry standard I / O connections

17H / E13



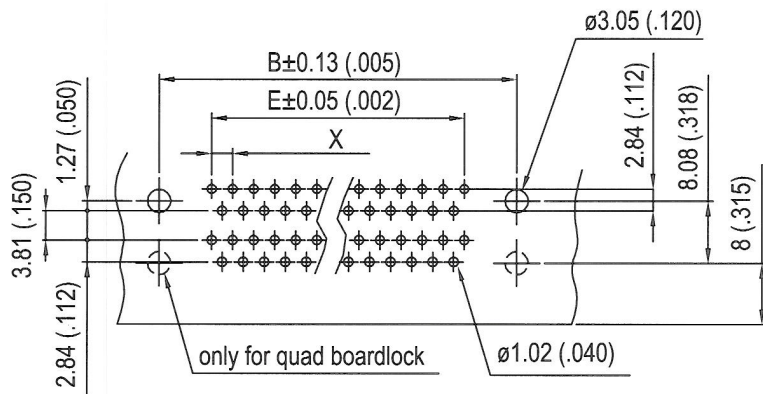
**Amphenol**

## Shell size dimensions- standard and high density



\* 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")

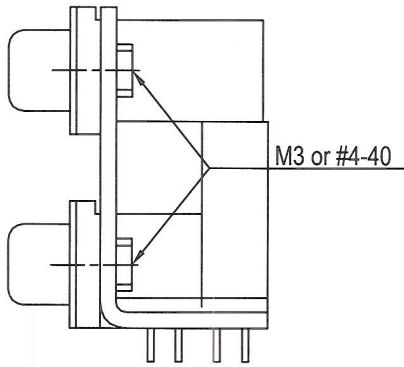
### Recommended P.C.B. Layout



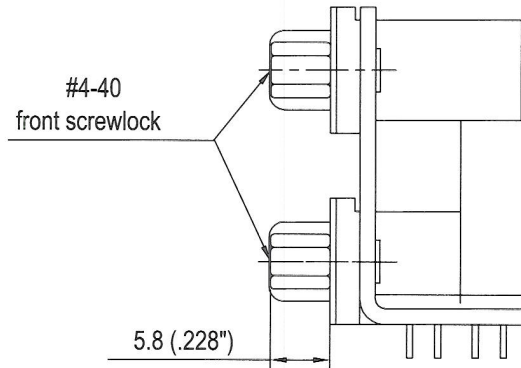
| Shell Size | Nb OF CONTACTS | DIMENSIONS mm (inch) |              |              |              |              |
|------------|----------------|----------------------|--------------|--------------|--------------|--------------|
|            |                | A                    | B            | C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

## Panel mounting option

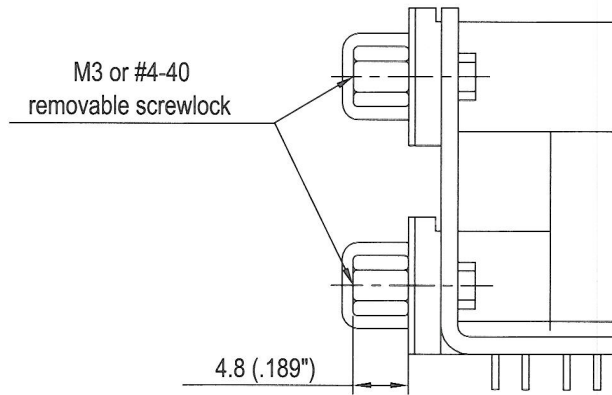
### Flange mounting options:



Threaded rear insert  
**0 / 4**

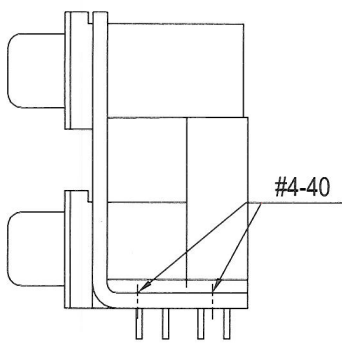


Fixed front female screwlock  
**7**

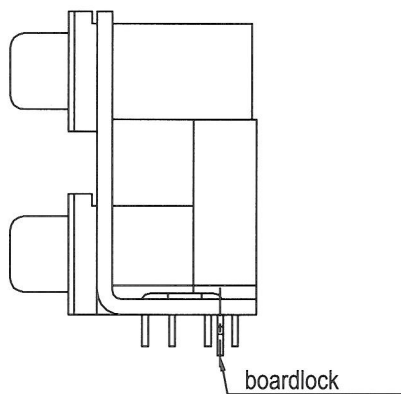


Removable female screwlock  
**1 / 5**

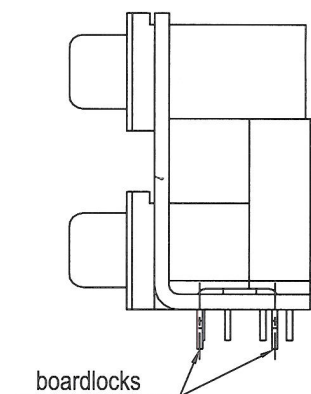
### Board mounting options:



Threaded hole  
**1**



Dual arrowhead boardlock  
**2**



Quad arrowhead boardlock  
**3**

## Dual Port Connectors

L17H X X X X X X X X

### Spacing Between Ports

- 1 - F = 15.88mm (.625")  
G = 28.42mm (1.12")
- 2 - F = 19.05mm (.750")  
G = 31.60mm (1.24")
- 3 - F = 22.86mm (.900")  
G = 35.41mm (1.39")
- 4 - **SCSI**  
G = 12.80mm (.504")
- 7 - F = 20.70mm (.815")  
G = 32.20mm (1.26")

### Top Connector

- 1 = 9 Pos. Male
- 2 = 9 Pos. Female
- 3 = 15 Pos. Male
- 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
- J = 15 Pos. High Density Male
- D = 37 Pos. Male
- E = 37 Pos. Female
- 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

### Bottom Connector

- 1 = 9 Pos. Male
- 2 = 9 Pos. Female
- 3 = 15 Pos. Male
- 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
- 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

### Footprint Options

- SD / SD**  
BLANK = 8.08mm (.318")
- SD / HD**  
BLANK = 5.08mm (.200")  
889 = 8.89mm (.350")
- HD / HD**  
BLANK = 8.89mm (.350")  
508 = 5.08mm (.200")

### Flange Mounting Options

- 0 = 4-40unc Rear Insert
- 1 = 4-40unc Removable Screwlock
- 3 = 3.05mm (.120") Clear Hole
- 4 = M3 Rear Insert
- 5 = M3 Removable Screwlock
- 7 = 4-40unc Fixed Front Screwlock

### Board Mounting Options

- 0 = Triple Arrowhead Boardlock
- 1 = 4 \* Threaded 4-40unc Inserts
- 2 = Dual Arrowhead Boardlocks
- 3 = Quad Arrowhead Boardlocks
- 4 = 3.18mm (.125") Clear Hole

### Shell Plating

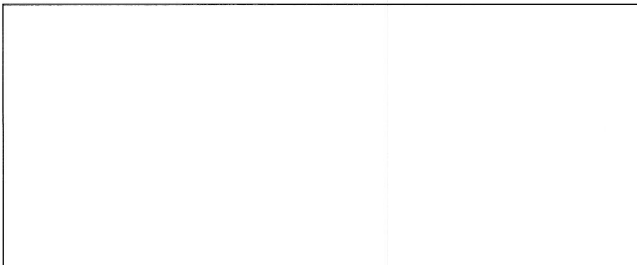
- 1 = Bright Tin / Nickel
- 2 = Nickel

### Contact Plating

- 0 = Flash Fold
- 1 = 0.4µm (15µ") Gold
- 2 = 0.76µm (30µ") Gold
- 3 = Full Flash Gold
- 4 = 1.27µm (50µ") Gold

**For special request, please consult factory**

**Do not hesitate to contact us for further information**



# 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>