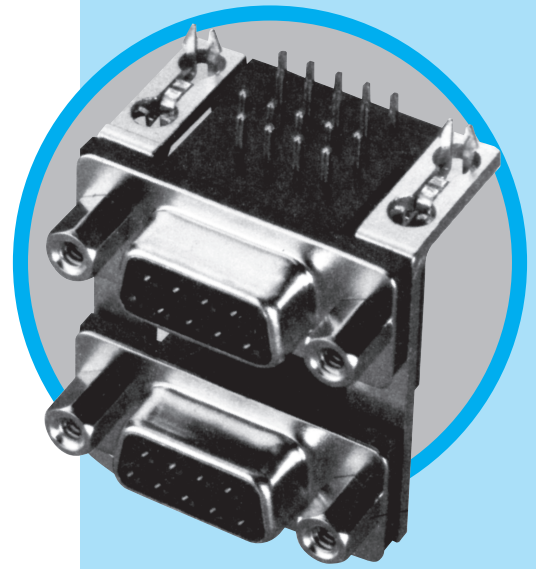


# 17H

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

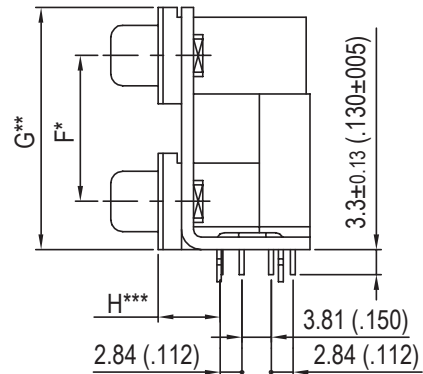
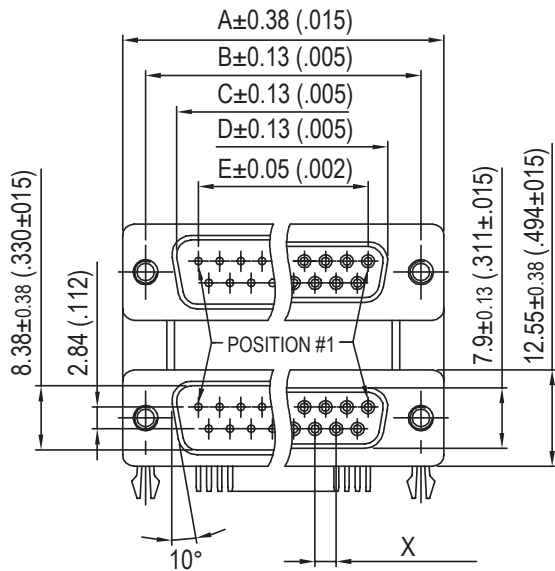
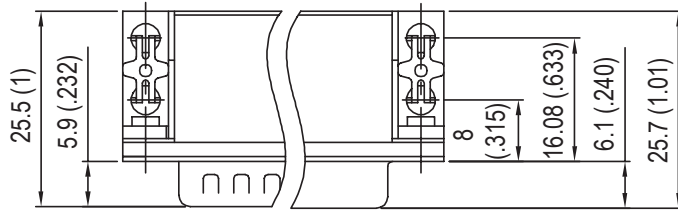
- Industrial
- Telecom
- Any industry standard I / O connections



**Amphenol**

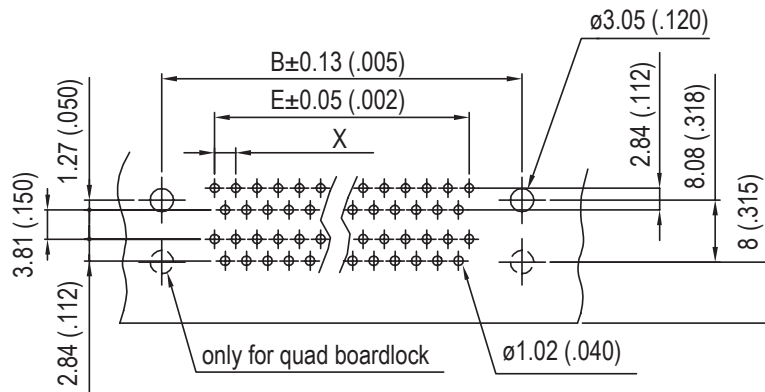
17H / E13

## 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")

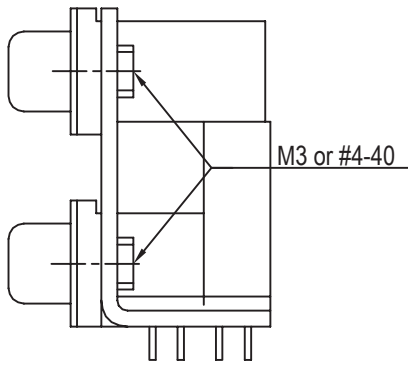
### Recommended P.C.B. Layout



| 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) |

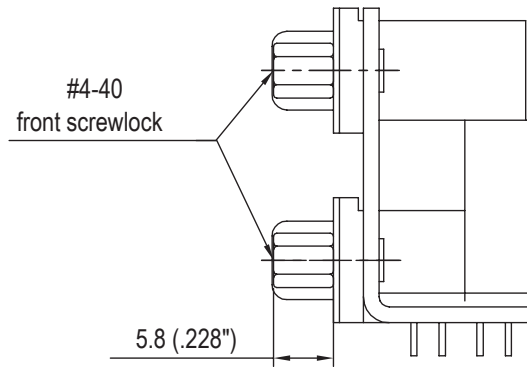
## Panel mounting option

### Flange mounting options:



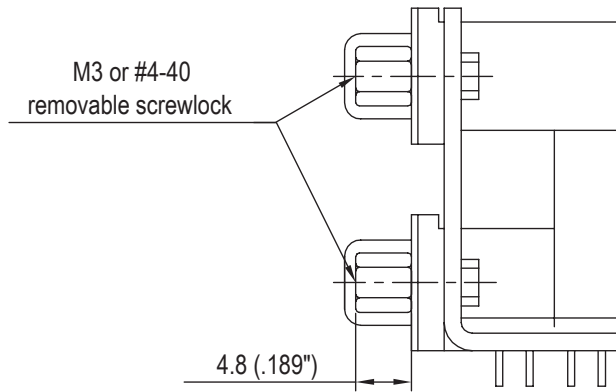
Threaded rear insert

**0 / 4**



Fixed front female screwlock

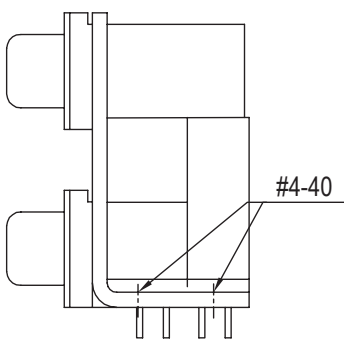
**7**



Removable female screwlock

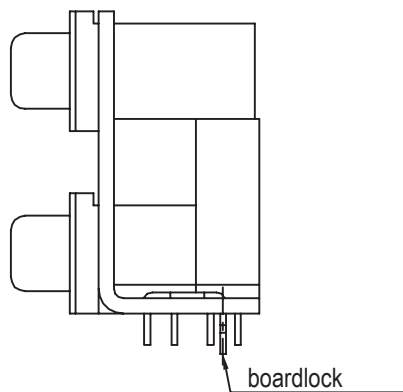
**1 / 5**

### Board mounting options:



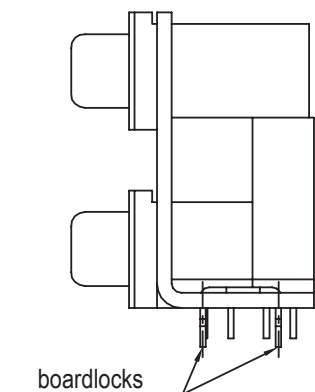
Threaded hole

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



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