

# Amphenol

## D Subminiature Interconnects

### DSub SD/G17C Series Standard Density Right Angle PCB Mount

Most popular Part Numbers noted below. Both SD and G17C conform to Mil-C-24308. SD is supplied from Europe while G17C is supplied from ASIA.

#### Electrical

Current – 5A  
Voltage – 250VAC/rms 60Hz

#### Mechanical

Durability – 75 Cycles

#### Materials

SD – Tin plated Steel  
G17C – Tin/Lead over Nickel plated Carbon Steel – 94V-0 thermoplastic  
Insulator – Brass  
Contacts Pin – Phosphor Bronze  
Contacts Sockets – Gold Flash  
Finish – P/B  
Board-locks – Brass  
Screw-locks – Brass

#### Available Upon Request

- ▶ 50 Way Versions
- ▶ Various Contact Finishes for durability
  - » 15µ" Au – 125 Cycles/30µ" Au – 250 Cycles
- ▶ Various Footprints
  - » 5mm or 10.4mm or 14.99mm
- ▶ Various Shell Finishes
  - » Zinc Chromate or Nickel
- ▶ Various Board Mounting Options
  - » Ø3.05mm Clear Hole/4 Claw Board Locks
  - » Various Flange Mounting Options
    - » Ø3.05mm Hole/M3 Screw Locks

Common Parts		SD	G17C	Dimensions (mm)				
Gender	Positions	Part Number:	Part Number:	A	B	C	D	E
Male	9 Way	717SDE09PA4CH4F	G17C0910132	30.84	24.99	16.92	16.24	11.09
	15 Way	717SDA15PA4CH4F	G17C1510132	39.24	33.32	24.70	24.56	19.39
	25 Way	717SDB25PA4CH4F	G17C2510132	53.04	47.04	38.96	38.38	33.24
	37 Way	717SDC37PA4CH4F	G17C3710132	69.32	63.50	55.42	54.76	49.86
Female	9 Way	77SDE09SA4CH4F	G17C0900132	30.84	24.99	16.92	16.24	11.09
	15 Way	77SDA15SA4CH4F	G17C1500132	39.24	33.32	24.70	24.56	19.39
	25 Way	77SDB25SA4CH4F	G17C2500132	53.04	47.04	38.96	38.38	33.24
	37 Way	77SDC37SA4CH4F	G17C3700132	69.32	63.50	55.42	54.76	49.86

#### Detailed Part Number System

**G17X XX XXXXX**

**DSub R/A PCB CONNECTOR**  
Through Hole 2.54mm pitch

**FOOTPRINT**  
C: 8.08mm  
D: 5mm  
E: 10.4mm  
J: 8.08mm Metal backshell w/o boardlocks

**NUMBER OF POSITIONS**  
09: 9 Position  
15: 15 Position  
25: 25 Position  
37: 37 Position  
50: 50 Position (G17C only)

**CONTACT STYLE**  
0: Receptacle  
1: Plug

**CONTACT FINISH**  
0: Gold Flash  
1: 15µ" Gold  
2: 30µ" Gold  
3: Full gold flash

**FLANGE MOUNTING OPTION**  
0: Ø3.05mm clear hole  
1: #4-40 threaded hole installed  
2: #4-40 threaded screw-lock bulk-packed  
3: #4-40 threaded screw-lock bulk-packed  
4: M3 threaded hole  
5: M3 screw-lock installed  
7: #4-40 threaded screw-lock clinch-mounted installed

**BOARD MOUNT OPTION (NOT G17C)**  
0: None  
1: Ø3.05mm clear hole  
2: #4-40 threaded hole  
3: Arrowhead board-lock  
4: 4 Claw board-lock (G17C only)

**FRONT SHELL FINISH**  
0: Zinc chromate  
1: Tin/Lead over Nickel  
2: Nickel

#### Common Part Specifications

Diagrams are typical and specifications may vary

For 'G' Part Numbers Suffix may be added. This Suffix is for internal use mainly Additional Suffix 'EU' or 'LF' will be added for RoHS compliant product. For other Part Numbers Add Prefix 'L' for RoHS Compliant product.

#4-40UNC Hex Screw Installed

### DSub DFR/G17K Standard Density IDC Terminations for Ribbon Cable

Most popular Part Numbers noted below. Both DFR and G17K conform to Mil-C-24308. DFR is supplied from Europe while G17K is supplied from ASIA.

#### Electrical

Current – 5A  
Voltage – 250VAC/rms 60Hz

#### Mechanical

Durability – 75 Cycles

#### Materials

DFR – Tin plated Steel  
G17K – Tin/Lead over Nickel plated Carbon Steel – 94V-0 thermoplastic  
Insulator – Brass  
Contacts Pin – Brass  
Contacts Sockets – Phosphor Bronze  
Finish – Gold Flash  
Screw-locks – Brass

#### Available Upon Request

- ▶ 50 Way Versions
- ▶ Various Contact Finishes
  - » 15µ" Au/30µ" Au
- ▶ Insulator Support
- ▶ Various Shell Finishes
  - » Zinc Chromate or Nickel
- ▶ Various Flange Mounting Options
  - » Ø3.05mm Hole/M3 Screw Locks

Common Parts		DFR	G17K	Dimensions (mm)				
Gender	Positions	Part Number:	Part Number:	A	B	C	D	E
Male	9 Way	17DEFRCA09P	G17K09101021	30.84	24.99	16.92	16.24	11.09
	15 Way	17DAFRCA15P	G17K15101021	39.24	33.32	24.70	24.56	19.39
	25 Way	17DBFRCA25P	G17K25101021	53.04	47.04	38.96	38.38	33.24
	37 Way	17DCFRCA37P	G17K37101021	69.32	63.50	55.42	54.76	49.86
Female	9 Way	17DEFRCA09S	G17K09001021	30.84	24.99	16.92	16.24	11.09
	15 Way	17DAFRCA15S	G17K15001021	39.24	33.32	24.70	24.56	19.39
	25 Way	17DBFRCA25S	G17K25001021	53.04	47.04	38.96	38.38	33.24
	37 Way	17DCFRCA37S	G17K37001021	69.32	63.50	55.42	54.76	49.86

#### Detailed Part Number System

**G17K XX XXXXX X**

**DSub PCB CONNECTOR**  
IDC Termination

**NUMBER OF POSITIONS**  
09: 9 Position  
15: 15 Position  
25: 25 Position  
37: 37 Position  
50: 50 Position

**CONTACT STYLE**  
0: Receptacle  
1: Plug

**CONTACT FINISH**  
0: Gold Flash  
1: 15µ" Gold  
2: 30µ" Gold  
3: Full gold flash

**FRONT SHELL FINISH**  
0: Zinc chromate  
1: Tin/Lead over Nickel  
2: Nickel  
3: Whole plastic type

**STRAIN RELIEF OPTION**  
0: None  
1: With strain relief

**FLANGE MOUNTING OPTION**  
0: Ø3.05mm clear hole  
1: #4-40 threaded hole installed  
2: #4-40 threaded screw-lock bulk-packed  
3: #4-40 threaded screw-lock bulk-packed  
4: M3 threaded hole  
5: M3 screw-lock installed  
7: #4-40 threaded screw-lock clinch-mounted

**BRACKET OPTION**  
0: Without insulator support  
1: With insulator support

#### Common Part Specifications

Diagrams are typical and specifications may vary

For 'G' Part Numbers Suffix may be added. This Suffix is for internal use mainly Additional Suffix 'EU' or 'LF' will be added for RoHS compliant product. For other Part Numbers Add Prefix 'L' for RoHS Compliant product.

#4-40UNC Hex Screw Installed

# Mouser Electronics

Authorized Distributor

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