

**AMPHENOL D-SUBMINIATURE  
MASS-TERMINATED  
FLAT RIBBON CABLE IDC CONNECTOR**

**841 SERIES**



Amphenol 841 series connectors are suitable for compact requirements of modern peripheral equipment. Special contact design allows usage of standard .050" (1.27 mm) flat cable while maintaining the standard contact centers of .054" (1.37 mm). The one-piece universal hood provides three locking options: plastic latch for one-hand operation and quick disconnect, screw locking and metal spring latch locking. The hood accepts both straight and right angle cable entry for standard or jacketed cable.

- Compatible with MIL-C-24308 and IEC proposal 48 B (CO) 118
- Mass terminates to flat cable on .050" centers
- Mates with other D-Sub connectors
- Metal flange or all-plastic body
- Low profile
- RS-232 and RS-449 standard
- One-piece universal hood
- Strain relief

**SPECIFICATIONS:**

**Number of Contacts:**

9, 15, 25, 37, 50 both pin and socket

**Contact Spacing:**

.054" (1.37mm) terminates standard .050" (1.27 mm) ribbon cable

**Contact Material:**

Phosphor bronze

**Contact Plating:**

Gold over nickel

**Insulator Material:**

Gray, glass filled polycarbonate, UL 94 VO

**Mounting Flange:**

Metal, detents on male only

**Wire Accomodation:**

AWG 26 solid; AWG 28 stranded

**Standards:**

RS-232 and RS-449

**Current Rating:**

1 amp

**Voltage Rating:**

25 VAC (VDE 0100 group A)

**Dielectric Withstanding voltage:**

780 V eff.

**Insulation Resistance:**

1000 m ohm min. at 500 VDC

**Contact Resistance:**

10 m ohm max at 1 amp DC

**Operating Temperature:**

- 25°C to +105°C (-67°F to +221°F)

**DIMENSIONS:** See next page

**ORDERING INFORMATION:**

**PLASTIC CONNECTOR**

| No. of Contacts | PART NUMBERS     |                  |
|-----------------|------------------|------------------|
|                 | Receptacle       | Plug             |
| 9               | 841-17-DEFR-B9S  | 841-17-DEFR-B9P  |
| 15              | 841-17-DAFR-B15S | 841-17-DAFR-B15P |
| 25              | 841-17-DBFR-B25S | 841-17-DBFR-B25P |
| 37              | 841-17-DCFR-B37S | 841-17-DCFR-B37P |

**METAL FLANGE CONNECTOR WITH 4-40 THREADED INSERT**

| No. of Contacts | PART NUMBERS      |                   |
|-----------------|-------------------|-------------------|
|                 | Receptacle        | Plug              |
| 9               | 841-17-DEFR-DA9S  | 841-17-DEFR-DA9P  |
| 15              | 841-17-DAFR-DA15S | 841-17-DAFR-DA15P |
| 25              | 841-17-DBFR-DA25S | 841-17-DBFR-DA25P |
| 37              | -                 | 841-17-DCFR-DA37P |

**METAL FLANGE CONNECTOR**

| No. of Contacts | PART NUMBERS     |                  |
|-----------------|------------------|------------------|
|                 | Receptacle       | Plug             |
| 9               | 841-17-DEFR-A9S  | 841-17-DEFR-A9P  |
| 15              | 841-17-DAFR-A15S | 841-17-DAFR-A15P |
| 25              | 841-17-DBFR-A25S | 841-17-DBFR-A25P |
| 37              | 841-17-DCFR-A37S | 841-17-DCFR-A37P |

**50 POSITION METAL FLANGE CONNECTOR WITH 4-40 THREADED INSERT**

| No. of Contacts | PART NUMBERS     |               |
|-----------------|------------------|---------------|
|                 | Receptacle       | Plug          |
| 50              | 841-17-DDFR-A50S | Not Available |

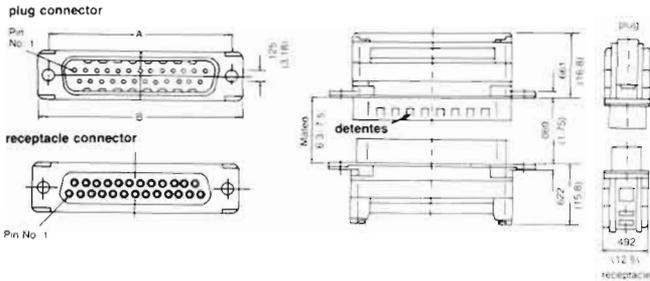
**Tooling:** Bench Press 322-1003-100

# AMPHENOL D-SUBMINIATURE MASS-TERMINATED FLAT RIBBON CABLE IDC CONNECTOR

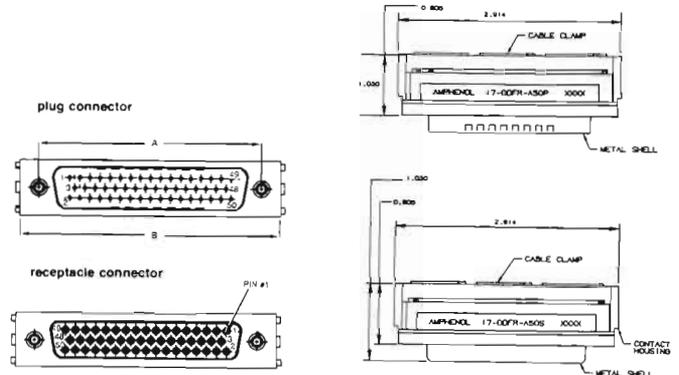
841 SERIES

## DIMENSIONS:

9, 15, 25, 37 Position



50 Position

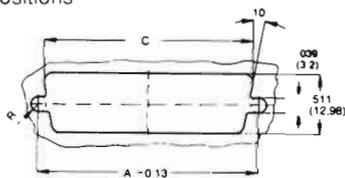


| No. of Contacts | A             | B              |
|-----------------|---------------|----------------|
| 9               | .984 (25.00)  | 1.205 (30.60)  |
| 15              | 1.311 (33.30) | 1.531 (38.90)  |
| 25              | 1.852 (47.05) | 2.078 (52.80)  |
| 37              | 2.500 (63.50) | 2.718 (69.305) |

| No. of Contacts | A             | B             |
|-----------------|---------------|---------------|
| 50              | 2.406 (61.10) | 2.914 (74.00) |

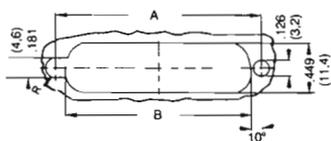
## PANEL CUTOUTS:

Front or Rear Mount, 9 - 37 Positions



| No. of Contacts | A             | B             |
|-----------------|---------------|---------------|
| 9               | .984 (25.00)  | .874 (22.20)  |
| 15              | 1.311 (33.30) | 1.201 (30.50) |
| 25              | 1.852 (47.05) | 1.744 (44.30) |
| 37              | 2.500 (63.50) | 2.390 (60.70) |

Rear Mount Only, 9 - 37 Positions



| No. of Contacts | A             | B             |
|-----------------|---------------|---------------|
| 9               | .984 (25.00)  | .806 (20.5)   |
| 15              | 1.311 (33.30) | 1.134 (28.80) |
| 25              | 1.852 (47.05) | 1.674 (42.50) |
| 37              | 2.500 (63.50) | 2.326 (59.10) |

Rear Mount Only, 50 Positions

