

DFR Series Flat Ribbon D-Sub Connectors

CHARACTERISTICS

Specifications

- · Connectors according to MIL C24308 Standard Interface
- UL File: E232356

| Materials and Platings | | | | | |
|------------------------|---|--|--|--|--|
| Shells | Steel, Tin over Nickel | | | | |
| Insulator | Glass-filled thermoplastic, UL 94V-0 | | | | |
| Contacts | Brass, selected gold in mating area; | | | | |
| | 2.54µm (100µ") min. tin on termination area over | | | | |
| | 1.27μm (50μ") min. nickel | | | | |
| Rear insert | Brass, 1.524um (60u") min. nickel plated | | | | |
| Screwlock | Brass, 1.524um (60u") min. nickel plated | | | | |

Electrical Data

Current rating 3A

Voltage rating 250V AC/rms 60Hz

Withstanding voltage 1000V AC/rms 60Hz for one minute

 $\begin{array}{ll} \text{Insulation resistance} & 1000 \text{M}\Omega \\ \text{Contact resistance} & 20 \text{m}\Omega \text{ max} \end{array}$

Climatic Data

Operating temperature -25°C to +85°C

Mechanical Data

Single contact insertion force Single contact withdrawal force Mating and unmating force 0.34kg(0.748lb) max 0.02kg(0.044) min

Unit: kg (lb)

| No. of Cts | Mate (max) | Unmate (min) |
|-------------|--------------|--------------|
| 9 (size E) | 3.06(6.75) | 0.36(0.79) |
| 15 (size A) | 5.10(11.24) | 0.46(1.01) |
| 25 (size B) | 8.47(18.67) | 0.8(1.76) |
| 37 (size C) | 12.55(27.67) | 1.12(2.47) |

Standard plating thicknesses

- gold flash
- 0.38µm (15µ") gold
- 0.76 µm (30µ") gold

TARGET MARKETS/APPLICATIONS



Telecommunications





D-SUB CONNECTORS – STAMPED AND FORMED CONTACTS

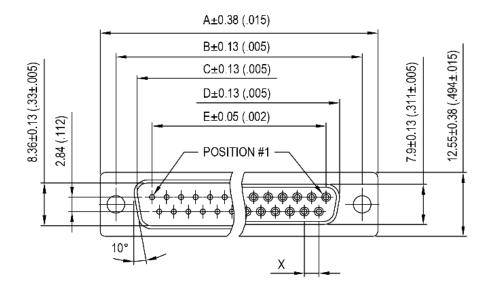
Amphenol offers a full range of D-Sub connectors from stamped and formed pin to screw machined pin with various termination and mounting options.

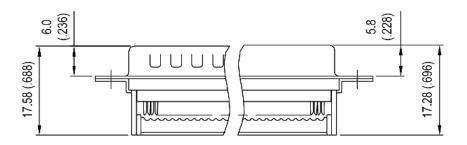
DFR series feature a special contact design which allows usage of standard 1.27mm flat cable. It works with all standard D-Sub hoods and is suitable for AWG size 28.

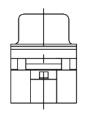
DFR series is a reliable and compact solution for modern peripheral equipment, which can be used in telecom, commerical, industrial and any industry standard applications.

- DFR stands for Flat Ribbon Cable
- With front metal shell or all plastic available for clear hole mounting option only
- With cable strain relief
- Protective hoods available
- Termination tooling available

OVERALL DIMENSION

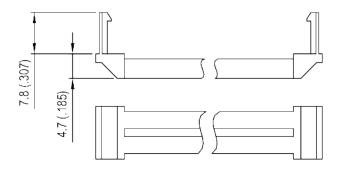






| No. of Contacts | Dimensions mm (inch) | | | | | | | |
|--------------------|----------------------|--------------|--------------|--------------|--------------|------|------------|--|
| | Α | В | C | D | E | X | G | |
| 9 | 30.81 (1.21) | 24.99 (.984) | 16.92 (.666) | 16.33 (.643) | 11.08 (.465) | 2.77 | 3.3 (.130) | |
| 15 | 39.20 (1.54) | 33.30 (1.31) | 25.25 (.994) | 24.70 (.970) | 19.39 (.763) | 2.77 | | |
| 25 | 53.04 (2.09) | 47.04 (1.85) | 38.96 (1.53) | 38.40 (1.51) | 33.24 (1.31) | 2.77 | | |
| 37 | 69.40 (2.73) | 63.50 (2.50) | 55.42 (2.18) | 54.80 (2.16) | 49.86 (1.96) | 2.77 | | |

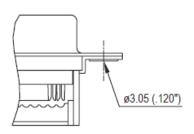
STRAIN RELIEF



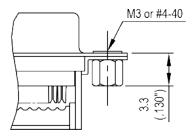
▶ DFR Series Flat Ribbon D-Sub Connectors

TECHNICAL DATA

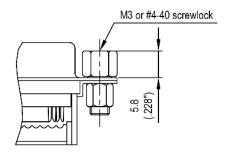
Panel mounting option



Clear hole ø 3.05mm no digit

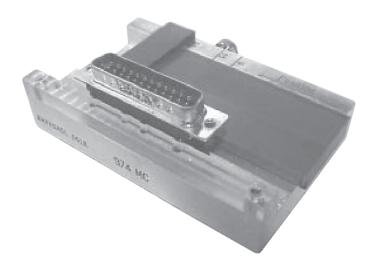


Riveted rear nut B/D



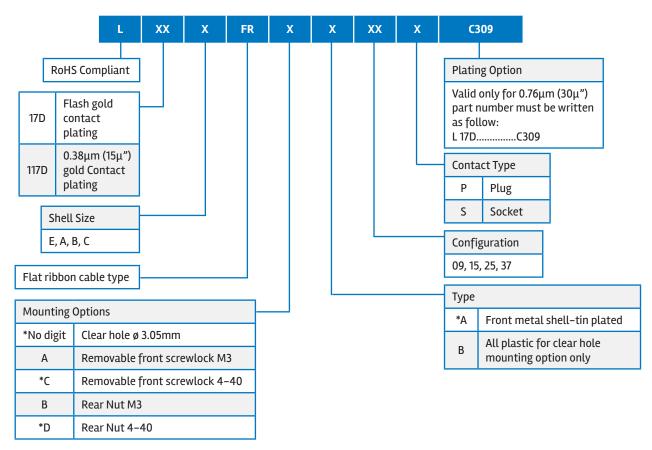
Riveted rear nut with removable front female screwlock A/C

Tool



Support for hand termination tool: 974MC

PART NUMBER SELECTOR



^{*}Standard options.