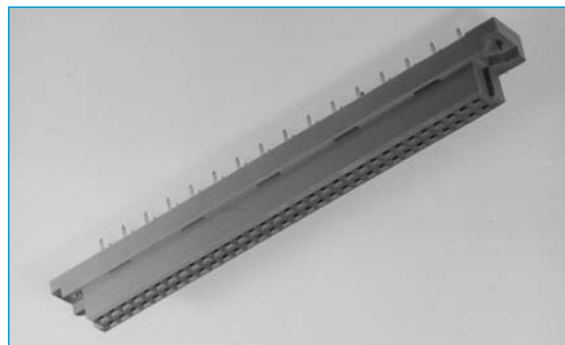


# DIN 41612

# TYPE B – FEMALE

- 16, 32 and 64 Contacts
- 2 Rows
- Class 2 and 3
- 2.54mm(0.1"), 5.08mm(0.2" Half loaded) Pitch
- High Reliability
- UL Approved



## SPECIFICATION

### Material

**Insulator:** Glass filled polyester  
(PBT, UL flammability 94V-0)

**Contacts:** Female copper alloy, male brass

**Contact finish:** Contact area: Gold over nickel (per requirements of performance class 3, class 2)  
Termination area: Tin - plated or Gold-plated for long wrap post

### Mechanical

**Insertion force:** 64 contacts max. 60N  
32 contacts max. 30N  
16 contacts max. 15N  
Withdrawal force per contact: min 0.15N

**Temperature range:** -55°C to +125°C  
Air and creepage distance 1.2mm min.

### Electrical

**Current rating:** 20°C 2A  
70°C 1A  
100°C 0.5A

**Contact resistance:** ≤20mΩ (testing current 100mA)  
≤40mΩ after 400 mating cycles

**Capacitance between adjacent contacts:** Appr. 2pF

**Insulation resistance:** ≥10<sup>12</sup>Ω  
(between adjacent contacts at 100 VDC)

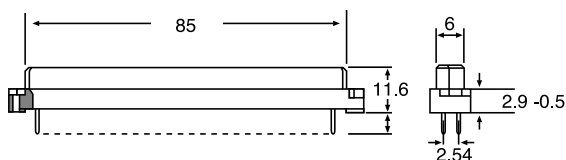
**Test voltage:** 1,000Vrms between contacts (2.54mm spacing)  
1,550Vrms between contacts (5.08mm spacing)  
1,550Vrms between contacts and body

**Operating voltage:** 250V AC

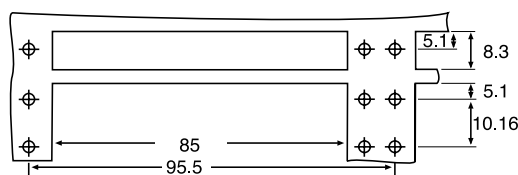
**Agency approval**  
U/L Electric rating: 250V, 2A  
Mating Cycles: Class 2 = 400 Class 3 = 50

SECTION 10

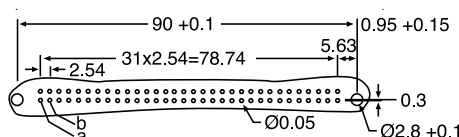
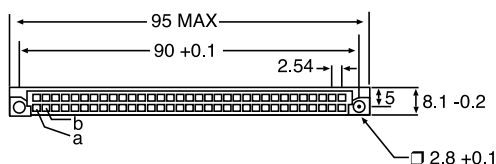
## OUTLINE DRAWING



PCB LAYOUT



|                       |  |
|-----------------------|--|
| a + b                 |  |
| a                     |  |
| a + b<br>All even no. |  |
| a<br>All even no.     |  |



## ORDERING INFORMATION

| DBC                 | DIN                 | F                            | 16                                                        | B                      | A1                                                                                       | S                                                                                    | 3                                           |
|---------------------|---------------------|------------------------------|-----------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------|
| Dubilier Connectors | Series<br>DIN 41612 | Connector Type<br>F = Female | N° of Ways<br>16 = 16 ways<br>32 = 32ways<br>64 = 64 ways | Housing Style<br>B = B | Position of Contacts<br>A = A row<br>AB = A+B rows<br>A1 = A even n°.<br>AB1=AB even n°. | Termination Style<br>S = Straight Solder<br>Tail length options available on request | Quality Class<br>3 = class 3<br>2 = class 2 |