



# DIN 41612 CONNECTORS SPECIFICATIONS

CENTURY INTERCONNECT PRODUCTS (203) 362-1371 FAX (203) 362-1375

## SPECIFICATIONS

**Insulator Material:** 30% Glass fiber PBT (UL94V-0)

**Contact Material:** Male: Brass

Female: Phosphor bronze

**Current Rating:** 2 Amps at 70 degrees C

**Contact Resistance:** 30 milliohms at 500V DC

**Insulator Resistance:** 1000 milliohms min. at  
500V DC

**Withstanding Voltage:** 1000V AC for 1 minute

**Operating Temperature:** -55 degrees C to  
+125 degrees C

**Contact Plating:**

Class 2: 400 mating cycles per DIN 41612,  
performance level 2

Class 3: 40 mating cycles per DIN 41612,  
performance level 3

**Insertion Force:** 96 pin  $\leq$  90N, 64 pin  $\leq$  60N,  
48 pin  $\leq$  45N, 32 pin  $\leq$  30N,  
30 pin  $\leq$  28N, 20 pin  $\leq$  18N

**Withdrawal Force:**  $\leq$  0.15N per contact

## OPTIONS

### A...Board Lock Clips

Figure 1: For Type B and Type C male connectors,  
and Type Q and Type R female connectors

Figure 2: For Type B and Type C female connectors  
and Type Q and Type R male connectors

### B...First Make, Last Break Pin Lengths

Type B, C and Q Male Connectors: 5.9mm  
Standard pin length: 4.9mm

Type R Male Connectors: 5.7mm  
Standard pin length: 4.8mm

### C...Last Make Pin Length

Type B, C and Q Male Connectors: 4.1mm  
Type R Male Connectors: 4.5mm

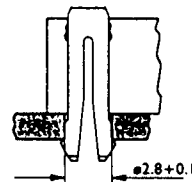


FIGURE 1

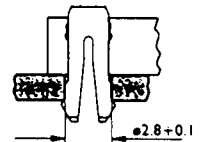


FIGURE 2

## HOLE DESIGN SPECIFICATIONS FOR PRESS-FIT CONTACTS

**Drill Hole:** 1.12mm ~ 1.15mm diameter

**Plated Hole:** 1.0mm +0.90mm / -0.60mm

**Cu:** 25u m ~ 75u m

**Sn:** 5u m ~ 15u m

**PCB Thickness:**  $\geq$  1.6mm

**Press In Force Per Pin:** 150N max.

**Retention Force Per Pin:** 50N max.

