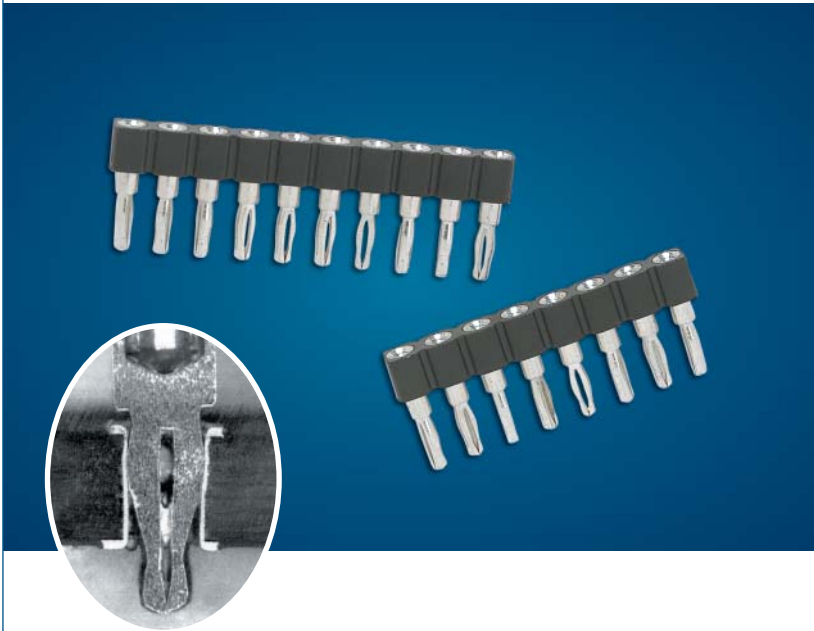




Compliant Press-Fit Sockets

Screw Machine



Description

FCI compliant press fit sockets are attached to printed circuit boards without soldering. Eye-of-the needle contact tail sections are compliant enough to prevent stress and damage to printed circuit plated-through-holes, but rigid enough to provide the strong, gas-tight electro-mechanical connections required in reliable electronic equipment.

Features & Benefits

- Solder-less connection eliminates need for solder processing
- Compliant contact tail lowers risk of printed circuit board hole damage during printed circuit board assembly
- Compliant tail provides high integrity electro-mechanical connection and retention to printed circuit board
- Contact geometry and surface finish prevent plating slivers in plated through holes
- Easy assembly of connector to printed circuit board with flat rock press and no special tools
- Compliant contact enables PCB assembly repair and multiple replacements

Applications

- Socketing of active and passive components in DIP and SIP packages
- Primarily used on backplanes

Markets Served

- Telecommunications and large computers

<http://www.fciconnect.com>

Americas Tel.: 800 237 2374

717 938 7200

Europe Tel.: 33 1 39 49 21 83

Asia/Pacific Tel.: 65 549 6666

Technical Features

Materials

- Insulator: High temperature glass filled thermoplastic, polyester, self-extinguishing, 94-V0, black
- Contact Outer Shell: Bronze alloy
- Contact Inner Clip: Beryllium Copper Alloy

Contact Plating

- Outer Shell: Tin/Lead
- Inner Clip: Tin/Lead or Gold over nickel

Mechanical Performance

- Mating force: typ 1.8 N
- Unmating force: typ 0.9 N

Specifications

- Reference FCI Test report: EL-01-10-029CRI

Packaging

- SIP: box (bulk)
- DIP: in tubes

More Data

- Drawings and product information available at: www.fciconnect.com

<http://www.fciconnect.com>

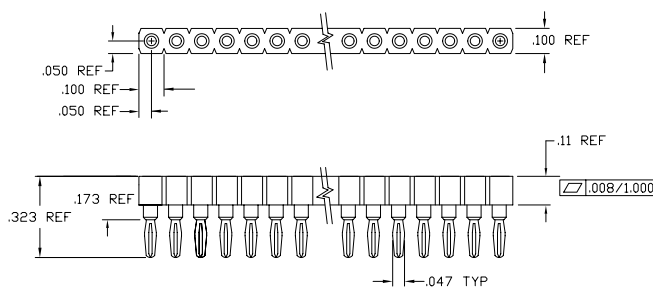
Electrical Performance

- Operating Temperature: -55° to +125°
- Current Rating: 1 amp with multiple contacts powered; <30° T rise
- Contact resistance: < 10 milliohms per contact
- Insulation resistance: 10,000 Megaohms
- Rated voltage: 100V RMS
- Dielectric withstanding voltage: 100V AC
- Capacitance: 1 pf

Drawings & Part Numbers

SIP Sockets

- Tin/lead Plating on outer shell and inner contacts
- Part Number: SPF080-1xNN-998Z; Where NN= Number of positions (01 through 18)



DIP Sockets

- Tin/lead Plating on outer shell and inner contacts
- Part Number: DPF3NN-998Z Where NN= number of positions (08, 14, 16)

