

FEATURES AND SPECIFICATIONS

Features and Benefits

- Stacking height: 3.0mm
- Sizes 20 to 80 circuits
- Locking feature provides secure mating
- High temperature housing
- Durable blade on beam contact interface
- Anti-flux design

Reference Information

Packaging: Embossed tape
 Mates With: 52991
 Designed In: Millimeters

Electrical

Voltage: 50V
 Current: 0.5A
 Contact Resistance: 50mΩ max.
 Dielectric Withstanding Voltage: 500V AC
 Insulation Resistance: 100 MΩ min.

Physical

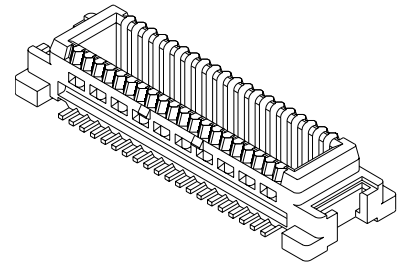
Housing: White glass-filled LCP plastic, UL 94V-0
 Contact: Brass
 Plating: Gold over Nickel
 Operating Temperature: -40 to +105°C



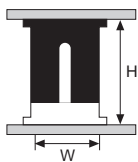
0.50mm (.020") Pitch Board-to-Board Plug

53748

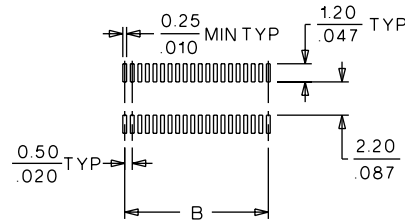
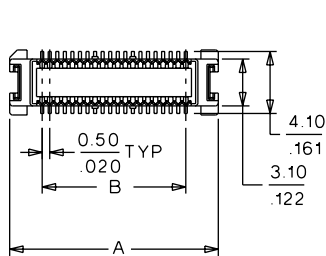
SMT, Dual Row Vertical Stacking



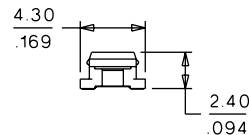
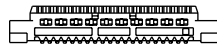
Mating Dimensions
 53748 • 52991
 H=3.0mm W=5.4mm



CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: COMPONENT SIDE



ORDERING INFORMATION AND DIMENSIONS

| Circuits | Order No. | | Dimension | | Carrier Tape Width |
|----------|--------------------------|-----------------------------|--------------|--------------|--------------------|
| | With Vacuum Pick-up Tape | Without Vacuum Pick-up Tape | A | B | |
| 20 | 53748-0204 | 53748-0208 | 8.80 (.346) | 4.50 (.177) | 16.00 (.630) |
| 30 | 53748-0304 | 53748-0308 | 11.30 (.170) | 7.00 (.275) | 24.00 (.945) |
| 40 | 53748-0404 | 53748-0408 | 13.80 (.444) | 9.50 (.374) | 24.00 (.945) |
| 50 | 53748-0504 | 53748-0508 | 16.30 (.641) | 12.00 (.472) | 32.00 (1.260) |
| 60 | 53748-0604 | 53748-0608 | 18.80 (.740) | 14.50 (.570) | 32.00 (1.260) |
| 70 | 53748-0704 | 53748-0708 | 21.30 (.838) | 17.00 (.669) | 44.00 (1.732) |
| 80 | | 53748-0808 | 23.80 (.937) | 19.50 (.767) | 44.00 (1.732) |

Note: Contact Molex for embossed tape specifications

Note: Use only one connector per daughterboard in order to insure proper mating alignment