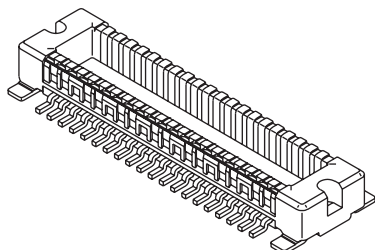


0.50mm (.020") Pitch SlimStack™ Board-to-Board Plug

53949
**SMT, Dual Row
Vertical Stacking**


Features and Benefits

- Stacking height: 2.50mm (.098")
- Sizes 50, 60, 70 and 80 circuits
- Locking feature provides secure mating
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails
- Durable blade on beam contact interface
- Anti-flux design

Reference Information

Packaging: Embossed
Mates With: 54150
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 40 milliohms max.
Dielectric Withstanding Voltage: 500V AC/1 min.
Insulation Resistance: 100 Megohms min.

Physical

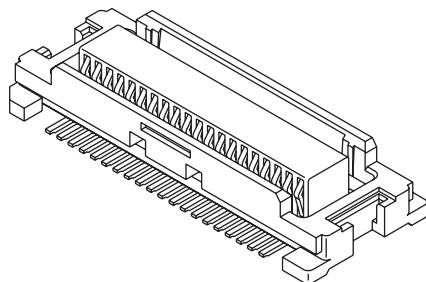
Housing: Black glass-filled LCP, UL 94V-0
Contact: Brass
Plating: Gold over Nickel
Solder Tab: Phosphor Bronze, Tin over Nickel plating
Operating Temperature: -40 to +85°C

Circuits	Order No.	Lock Position	Carrier Tape Width	Lead-free
50	53949-0578	4, 10, 16, 22	32.00 (1.260)	Yes
60	53949-0678	None		
70	53949-0778			
80	53949-0808			
			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

0.50mm (.020") Pitch SlimStack™ Board-to-Board Receptacle

52991/54167
**SMT, Dual Row
Vertical Stacking**


Features and Benefits

- Stacking Heights: 3.0 and 4.0mm
- 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: 53748 (H=3.0mm)
53916 (H=4.0mm)
Designed In: Millimeters

Electrical

Voltage: 50V
Current: 0.5A
Contact Resistance: 53748—50 milliohms max.
53716—60 milliohms max.
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: 100 Megohms min.

Physical

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

Circuits	Order No.		Carrier Tape Width	Lead-free
	White	Black		
20	52991-0208	54167-0208	16.00 (.630)	Yes
30	52991-0308	54167-0308	24.00 (.945)	
40	52991-0408	54167-0408		
50	52991-0508	54167-0508	32.00 (1.260)	
60	52991-0608	54167-0608		
70	52991-0708			
80	52991-0808	54167-0808	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