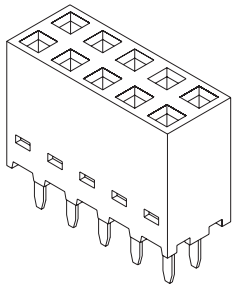


2.54mm (.100") Pitch C-Grid III™ PC Board Connectors

90151 Dual Row, Vertical



Features and Benefits

- Sizes 4 to 64 circuits
- Contact and plating orientation according to DIN 41651
- Stackable in 2 directions
- Meets HE 13/14 specification

Reference Information

Product Specification: PS-99020-0001
Packaging: Tube
Mates With: 0.64mm (.025") square pins
Use With: 1.57mm (.062") thick PC boards
Designed In: Inches

Electrical

Voltage: 350V
Current: 3.0A
Contact Resistance: 20 milliohms max.
Insulation Resistance: 1000 Megohms min.

Mechanical

Contact Retention to Housing: 15N min.
Mating Force: 1N max. Gold and 3N max. Tin
Unmating Force: 0.2N min. Gold and 0.2N min. Tin
Normal Force: 1N

Physical

Housing: Black glass-filled polyester, UL 94V-0
Contact: Copper Alloy
Plating: See Table
Operating Temperature: -55 to +125°C
Recommended Mating Pin Length:
5.65mm (.222") min. to 7.00mm (.275") max.

Plating A: 1.00µm (39µ") min. Hot Tin dip
Plating E: 0.38µm (15µ") selective Gold over Nickel and 4µm (160µ") Tin over Nickel
Plating F: 0.76µm (30µ") selective Gold over Nickel and 4µm (160µ") Tin over Nickel

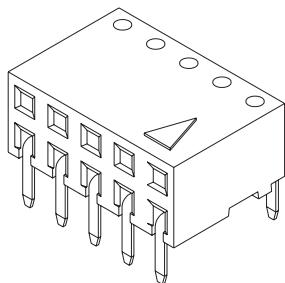
Not For Use With Molex SL™ Components

Circuits	Order No.						Lead-free
	Straight Tail			Kinked Tail			
	Plating A	Plating E	Plating F	Plating A	Plating E	Plating F	
4	90151-2104	90151-2204	90151-2304	90151-3104	90151-3204	90151-3304	Yes
6	90151-2106	90151-2206	90151-2306	90151-3106	90151-3206	90151-3306	
8	90151-2108	90151-2208	90151-2308	90151-3108	90151-3208	90151-3308	
10	90151-2110	90151-2210	90151-2310	90151-3110	90151-3210	90151-3310	
14	90151-2114	90151-2214	90151-2314	90151-3114	90151-3214	90151-3314	
16	90151-2116	90151-2216	90151-2316	90151-3116	90151-3216	90151-3316	
20	90151-2120	90151-2220	90151-2320	90151-3120	90151-3220	90151-3320	
26	90151-2126	90151-2226	90151-2326	90151-3126	90151-3226	90151-3326	
34	90151-2134	90151-2234	90151-2334	90151-3134	90151-3234	90151-3334	
40	90151-2140	90151-2240	90151-2340	90151-3140	90151-3240	90151-3340	
50	90151-2150	90151-2250	90151-2350	90151-3150	90151-3250	90151-3350	
60	90151-2160	90151-2260	90151-2360	90151-3160	90151-3260	90151-3360	
64	90151-2164	90151-2264	90151-2364	90151-3164	90151-3264	90151-3364	

For other available circuit sizes contact Molex

2.54mm (.100") Pitch C-Grid III™ PC Board Connectors

90152 Dual Row, Horizontal



Features and Benefits

- Sizes 4 to 64 circuits
- Contact and plating orientation according to DIN 41651
- Stackable end-to-end
- Meets HE 13/14 specification

Reference Information

Product Specification: PS-99020-0001
Packaging: Tube
Mates With: 0.64mm (.025") square pins
Use With: 1.57mm (.062") thick PC boards
Designed In: Inches

Electrical

Voltage: 350V
Current: 3.0A
Contact Resistance: 20 milliohms max.
Insulation Resistance: 1000 Megohms min.

Mechanical

Contact Retention to Housing: 8.8N min.
Mating Force: 1N max. Gold and 3N max. Tin
Unmating Force: 0.2N min. Gold and 0.2N min. Tin
Normal Force: 1N

Physical

Housing: Black glass-filled polyester, UL 94V-0
Contact: Copper Alloy
Plating: See Table
Operating Temperature: -55 to +125°C
Recommended Mating Pin Length:
5.65mm (.222") min. to 7.00mm (.275") max.

Plating A: 1.00µm (39µ") min. Hot Tin dip
Plating E: 0.38µm (15µ") selective Gold over Nickel and 4µm (160µ") Tin over Nickel
Plating F: 0.76µm (30µ") selective Gold over Nickel and 4µm (160µ") Tin over Nickel

Not For Use With Molex SL™ Components

Circuits	Order No.						Lead-free
	Straight Tail			Kinked Tail			
	Plating A	Plating E	Plating F	Plating A	Plating E	Plating F	
4	90152-2104	90152-2204	90152-2304	90152-3104	90152-3204	90152-3304	Yes
6	90152-2106	90152-2206	90152-2306	90152-3106	90152-3206	90152-3306	
8	90152-2108	90152-2208	90152-2308	90152-3108	90152-3208	90152-3308	
10	90152-2110	90152-2210	90152-2310	90152-3110	90152-3210	90152-3310	
14	90152-2114	90152-2214	90152-2314	90152-3114	90152-3214	90152-3314	
16	90152-2116	90152-2216	90152-2316	90152-3116	90152-3216	90152-3316	
20	90152-2120	90152-2220	90152-2320	90152-3120	90152-3220	90152-3320	
26	90152-2126	90152-2226	90152-2326	90152-3126	90152-3226	90152-3326	
34	90152-2134	90152-2234	90152-2334	90152-3134	90152-3234	90152-3334	
40	90152-2140	90152-2240	90152-2340	90152-3140	90152-3240	90152-3340	
50	90152-2150	90152-2250	90152-2350	90152-3150	90152-3250	90152-3350	
60	90152-2160	90152-2260	90152-2360	90152-3160	90152-3260	90152-3360	
64	90152-2164	90152-2264	90152-2364	90152-3164	90152-3264	90152-3364	

For other available circuit sizes contact Molex