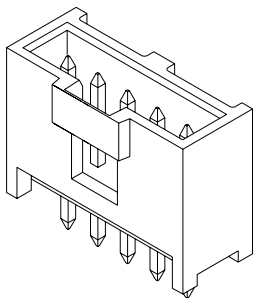


2.54mm (.100") Pitch C-Grid III™ Shrouded Header

90136 Single Row Vertical



Not For Use With Molex SL™ Components

Circuits	Order No.			Lead-free
	Plating A	Plating E	Plating F	
2	90136-1102	90136-1202	90136-1302	Yes
3	90136-1103	90136-1203	90136-1303	
4	90136-1104	90136-1204	90136-1304	
5	90136-1105	90136-1205	90136-1305	
6	90136-1106	90136-1206	90136-1306	
7	90136-1107	90136-1207	90136-1307	
8	90136-1108	90136-1208	90136-1308	
9	90136-1109	90136-1209	90136-1309	

For other available circuit sizes contact Molex

Features and Benefits

- Sizes 2 to 32 circuits
- Contact and plating orientation according to DIN 41651
- North/south contact orientation avoids overstress
- High pin retention
- Polarized
- Friction lock

Reference Information

Product Specification: PS-99020-0001
Packaging: Tray
Mates With: 90123 and 90156
Designed In: Inches

Electrical

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

Mechanical

Contact Resistance: 20N (2.0kgf) 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

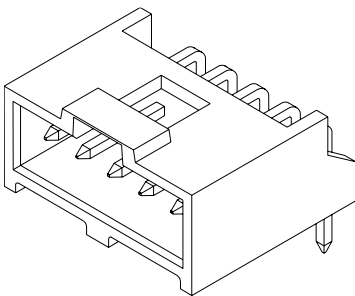
Housing: Black glass-filled polyester, UL 94V-0
Contact: Copper Alloy, 0.64mm (.025") square pins
Plating: See Table

Plating A: 4µm (160µ") Tin over Nickel
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

Circuits	Order No.			Lead-free
	Plating A	Plating E	Plating F	
10	90136-1110	90136-1210	90136-1310	Yes
12	90136-1112	90136-1212	90136-1312	
15	90136-1115	90136-1215	90136-1315	
18	90136-1118	90136-1218	90136-1318	
22	90136-1122	90136-1222	90136-1322	
25	90136-1125	90136-1225	90136-1325	
30	90136-1130	90136-1230	90136-1330	
32	90136-1132	90136-1232	90136-1332	

2.54mm (.100") Pitch C-Grid III™ Shrouded Header

90136 Single Row Right Angle



Not For Use With Molex SL™ Components

Circuits	Order No.			Lead-free
	Plating A	Plating E	Plating F	
2	90136-2102	90136-2202	90136-2302	Yes
3	90136-2103	90136-2203	90136-2303	
4	90136-2104	90136-2204	90136-2304	
5	90136-2105	90136-2205	90136-2305	
6	90136-2106	90136-2206	90136-2306	
7	90136-2107	90136-2207	90136-2307	
8	90136-2108	90136-2208	90136-2308	
9	90136-2109	90136-2209	90136-2309	

For other available circuit sizes contact Molex

Features and Benefits

- Sizes 2 to 32 circuits
- Contact and plating orientation according to DIN 41651
- North/south contact orientation avoids overstress
- High pin retention, polarized and friction lock
- 1 through 6 circuits with endwall stabilization features

Reference Information

Product Specification: PS-99020-0001
Packaging: Tray
Mates With: 90123 and 90156
Designed In: Inches

Electrical

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

Mechanical

Contact Retention to Housing: 20N (2.0kgf) min.
Mating Force: 1N 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, 0.64mm (.025") square pins
Plating: See Table

Plating A: 4µm (160µ") Tin over Nickel
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

Circuits	Order No.			Lead-free
	Plating A	Plating E	Plating F	
10	90136-2110	90136-2210	90136-2310	Yes
12	90136-2112	90136-2212	90136-2312	
15	90136-2115	90136-2215	90136-2315	
18	90136-2118	90136-2218	90136-2318	
22	90136-2122	90136-2222	90136-2322	
25	90136-2125	90136-2225	90136-2325	
30	90136-2130	90136-2230	90136-2330	
32	90136-2132	90136-2232	90136-2332	