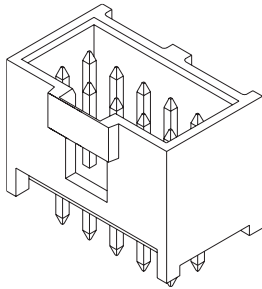


2.54mm (.100") Pitch C-Grid III™ Shrouded Header

90130 Dual Row, Vertical Fully Loaded



Features and Benefits

- Sizes 6 to 64 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: 90142
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 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
Operating Temperature: -55 to +125°C

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

Not For Use With Molex SL™ Components

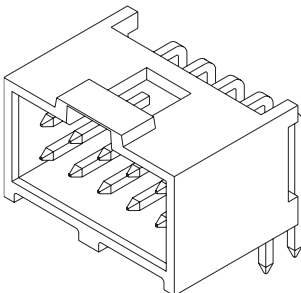
Circuits	Order No.			Lead-free
	Plating A	Plating E	Plating F	
6	90130-1106	90130-1206	90130-1306	Yes
8	90130-1108	90130-1208	90130-1308	
10	90130-1110	90130-1210	90130-1310	
12	90130-1112	90130-1212	90130-1312	
14	90130-1114	90130-1214	90130-1314	
16	90130-1116	90130-1216	90130-1316	
18	90130-1118	90130-1218	90130-1318	
20	90130-1120	90130-1220	90130-1320	
24	90130-1124	90130-1224	90130-1324	

For other available circuit sizes contact Molex

Circuits	Order No.			Lead-free
	Plating A	Plating E	Plating F	
26	90130-1126	90130-1226	90130-1326	Yes
30	90130-1130	90130-1230	90130-1330	
34	90130-1134	90130-1234	90130-1334	
38	90130-1138	90130-1238	90130-1338	
40	90130-1140	90130-1240	90130-1340	
50	90130-1150	90130-1250	90130-1350	
60	90130-1160	90130-1260	90130-1360	
64	90130-1164	90130-1264	90130-1364	

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

90130 Dual Row, Right Angle Fully Loaded



Features and Benefits

- Sizes 6 to 64 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: 90142
Designed In: Inches

Electrical

Voltage: 350V max.
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 max. Gold and 3N max. Tin
Unmating Force: 0.2N min. Gold and 0.2N min. Tin
Nominal Force: 1N

Physical

Housing: Black glass-filled polyester, UL 94V-0
Contact: Copper Alloy, 0.64mm (.025") square pins
Plating: See Table
Operating Temperature: -55 to +125°C

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

Not For Use With Molex SL™ Components

Circuits	Order No.			Lead-free
	Plating A	Plating E	Plating F	
6	90130-3106	90130-3206	90130-3306	Yes
8	90130-3108	90130-3208	90130-3308	
10	90130-3110	90130-3210	90130-3310	
12	90130-3112	90130-3212	90130-3312	
14	90130-3114	90130-3214	90130-3314	
16	90130-3116	90130-3216	90130-3316	
18	90130-3118	90130-3218	90130-3318	
20	90130-3120	90130-3220	90130-3320	
24	90130-3124	90130-3224	90130-3324	

For other available circuit sizes contact Molex

Circuits	Order No.			Lead-free
	Plating A	Plating E	Plating F	
26	90130-3126	90130-3226	90130-3326	Yes
30	90130-3130	90130-3230	90130-3330	
34	90130-3134	90130-3234	90130-3334	
38	90130-3138	90130-3238	90130-3338	
40	90130-3140	90130-3240	90130-3340	
50	90130-3150	90130-3250	90130-3350	
60	90130-3160	90130-3260	90130-3360	
64	90130-3164	90130-3264	90130-3364	