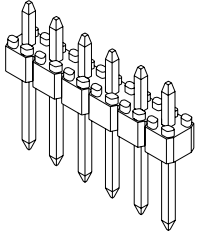


2.54mm (.100") Pitch C-Grid III™ Header

90120 Single Row Vertical



Features and Benefits

- Sizes 2 to 40 circuits
- Easy breakaway to smaller sizes
- Contact and plating orientation according to DIN 41651
- North/south contact orientation avoids overstress
- High pin retention
- High mechanical stability after soldering

Reference Information

Product Specification: PS-99020-0001
Packaging: Bag
Mates With: C-Grid III Housing and Connectors
Designed In: Inches

Electrical

Voltage: 350V
Current: 3.0A
Contact Resistance: 20 milliohms max.
Insulation Resistance: 5000 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

Plating A: 4 μ m (160 μ in) Tin over Nickel
Plating E: 0.38 μ m (15 μ in) selective Gold over Nickel and 4 μ m (160 μ in) Tin over Nickel
Plating F: 0.76 μ m (30 μ in) selective Gold over Nickel and 4 μ m (160 μ in) Tin over Nickel

Not For Use With Molex SL™ Components

Circuits	Order No.			Lead-free
	Plating A	Plating E	Plating F	
3	90120-0123	90120-0763	90120-0923	Yes
4	90120-0124	90120-0764	90120-0924	
5	90120-0125	90120-0765	90120-0925	
6	90120-0126	90120-0766	90120-0926	
7	90120-0127	90120-0767	90120-0927	
8	90120-0128	90120-0768	90120-0928	
9	90120-0129	90120-0769	90120-0929	
10	90120-0130	90120-0770	90120-0930	
11	90120-0131	90120-0771	90120-0931	
12	90120-0132	90120-0772	90120-0932	
13	90120-0133	90120-0773	90120-0933	
14	90120-0134	90120-0774	90120-0934	
15	90120-0135	90120-0775	90120-0935	
16	90120-0136	90120-0776	90120-0936	
17	90120-0137	90120-0777	90120-0937	
18	90120-0138	90120-0778	90120-0938	
19	90120-0139	90120-0779	90120-0939	
20	90120-0140	90120-0780	90120-0940	
21	90120-0141	90120-0781	90120-0941	

For other available versions contact Molex

Circuits	Order No.			Lead-free
	Plating A	Plating E	Plating F	
22	90120-0142	90120-0782	90120-0942	Yes
23	90120-0143	90120-0783	90120-0943	
24	90120-0144	90120-0784	90120-0944	
25	90120-0145	90120-0785	90120-0945	
26	90120-0146	90120-0786	90120-0946	
27	90120-0147	90120-0787	90120-0947	
28	90120-0148	90120-0788	90120-0948	
29	90120-0149	90120-0789	90120-0949	
30	90120-0150	90120-0790	90120-0950	
31	90120-0151	90120-0791	90120-0951	
32	90120-0152	90120-0792	90120-0952	
33	90120-0153	90120-0793	90120-0953	
34	90120-0154	90120-0794	90120-0954	
35	90120-0155	90120-0795	90120-0955	
36	90120-0156	90120-0796	90120-0956	
37	90120-0157	90120-0797	90120-0957	
38	90120-0158	90120-0798	90120-0958	
39	90120-0159	90120-0799	90120-0959	
40	90120-0160	90120-0800	90120-0960	