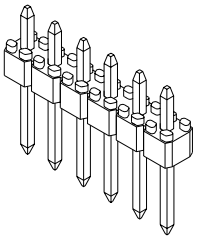
FEATURES AND SPECIFICATIONS

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

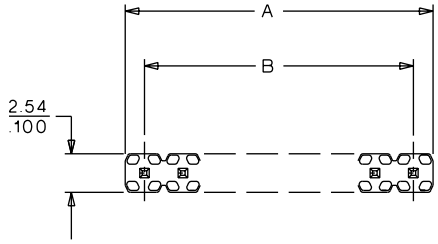
Reference Information
Product Specification: PS-99020-0001
Packaging: Bag
Mates With: C-Grid III Housing and Connectors
Designed In: Inches

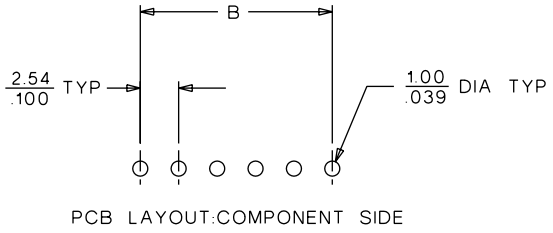
Electrical
Voltage: 350V
Current: 3.0A
Contact Resistance: 20mΩ max.
Insulation Resistance: 5000 MΩ min.

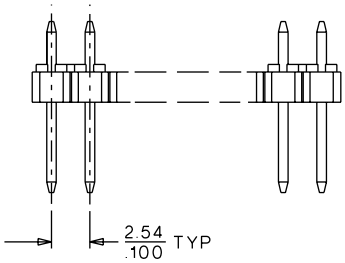
Mechanical
Contact Retention to Housing: 20N (2.0kgf) min.
Mating Force: 1N max. Gold and 3N max. Tin
Unmating Force: 0.2N min. Gold and 0.2N min. Tin
Normal Force: 1N

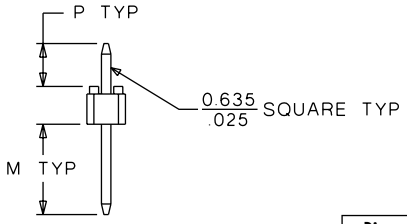
Physical
Housing: Black glass-filled polyester, UL 94V-0
Contact: Copper Alloy, 0.64mm (.025") square pins
Plating: See Table
Temperature: -55 to +125˚C

Not For Use With Molex SL™ Components









Order Nos. below reflect standard
Dim. M (Mating End) 6.75mm (.266")
Dim. P (PC Tail) 2.90mm (.114")

Dimension			
M	6.75 (.266)	5.75 (.226)	5.75 (.226)
P	4.50 (.177)	2.90 (.114)	4.50 (.177)

ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.			Dimension	
	Plating A	Plating E	Plating F	A	B
2	90120-0122	90120-0762	90120-0922	5.08 (.200)	2.54 (.100)
3	90120-0123	90120-0763	90120-0923	7.62 (.300)	5.08 (.200)
4	90120-0124	90120-0764	90120-0924	10.16 (.400)	7.62 (.300)
5	90120-0125	90120-0765	90120-0925	12.70 (.500)	10.16 (.400)
6	90120-0126	90120-0766	90120-0926	15.24 (.600)	12.70 (.500)
7	90120-0127	90120-0767	90120-0927	17.78 (.700)	15.24 (.600)
8	90120-0128	90120-0768	90120-0928	20.32 (.800)	17.78 (.700)
9	90120-0129	90120-0769	90120-0929	22.86 (.900)	20.32 (.800)
10	90120-0130	90120-0770	90120-0930	25.40 (1.000)	22.86 (.900)
11	90120-0131	90120-0771	90120-0931	27.94 (1.100)	25.40 (1.000)
12	90120-0132	90120-0772	90120-0932	30.48 (1.200)	27.94 (1.100)
13	90120-0133	90120-0773	90120-0933	33.02 (1.300)	30.48 (1.200)
14	90120-0134	90120-0774	90120-0934	35.56 (1.400)	33.02 (1.300)
15	90120-0135	90120-0775	90120-0935	38.10 (1.500)	35.56 (1.400)
16	90120-0136	90120-0776	90120-0936	40.64 (1.600)	38.10 (1.500)
17	90120-0137	90120-0777	90120-0937	43.18 (1.700)	40.64 (1.600)
18	90120-0138	90120-0778	90120-0938	45.72 (1.800)	43.18 (1.700)
19	90120-0139	90120-0779	90120-0939	48.76 (1.900)	45.72 (1.800)
20	90120-0140	90120-0780	90120-0940	50.80 (2.000)	48.76 (1.900)

Circuits	Order No.			Dimension	
	Plating A	Plating E	Plating F	A	B
21	90120-0141	90120-0781	90120-0941	53.34 (2.100)	50.80 (2.000)
22	90120-0142	90120-0782	90120-0942	55.88 (2.200)	53.34 (2.100)
23	90120-0143	90120-0783	90120-0943	58.42 (2.300)	55.88 (2.200)
24	90120-0144	90120-0784	90120-0944	60.46 (2.400)	58.42 (2.300)
25	90120-0145	90120-0785	90120-0945	63.50 (2.500)	60.46 (2.400)
26	90120-0146	90120-0786	90120-0946	66.04 (2.600)	63.50 (2.500)
27	90120-0147	90120-0787	90120-0947	68.58 (2.700)	66.04 (2.600)
28	90120-0148	90120-0788	90120-0948	71.12 (2.800)	68.58 (2.700)
29	90120-0149	90120-0789	90120-0949	73.66 (2.900)	71.12 (2.800)
30	90120-0150	90120-0790	90120-0950	76.20 (3.000)	73.66 (2.900)
31	90120-0151	90120-0791	90120-0951	78.24 (3.100)	76.20 (3.000)
32	90120-0152	90120-0792	90120-0952	81.28 (3.200)	78.24 (3.100)
33	90120-0153	90120-0793	90120-0953	83.82 (3.300)	81.28 (3.200)
34	90120-0154	90120-0794	90120-0954	86.36 (3.400)	83.82 (3.300)
35	90120-0155	90120-0795	90120-0955	88.90 (3.500)	86.36 (3.400)
36	90120-0156	90120-0796	90120-0956	91.44 (3.600)	88.90 (3.500)
37	90120-0157	90120-0797	90120-0957	93.98 (3.700)	91.44 (3.600)
38	90120-0158	90120-0798	90120-0958	96.52 (3.800)	93.98 (3.700)
39	90120-0159	90120-0799	90120-0959	99.06 (3.900)	96.52 (3.800)
40	• 90120-0160	• 90120-0800	• 90120-0960	101.60 (4.000)	99.06 (3.900)

• Molex European standard product, usually available within shorter lead times
For other available versions contact Molex
Plating A: 4µm (160µ") Tin/Lead over Nickel
Plating E: 0.38µm (15µ") selective Gold over Nickel and 4µm (160µ") Tin/Lead over Nickel
Plating F: 0.76µm (30µ") selective Gold over Nickel and 4µm (160µ") Tin/Lead over Nickel