

FEATURES AND SPECIFICATIONS

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

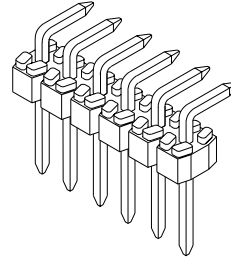
Physical

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

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

90121

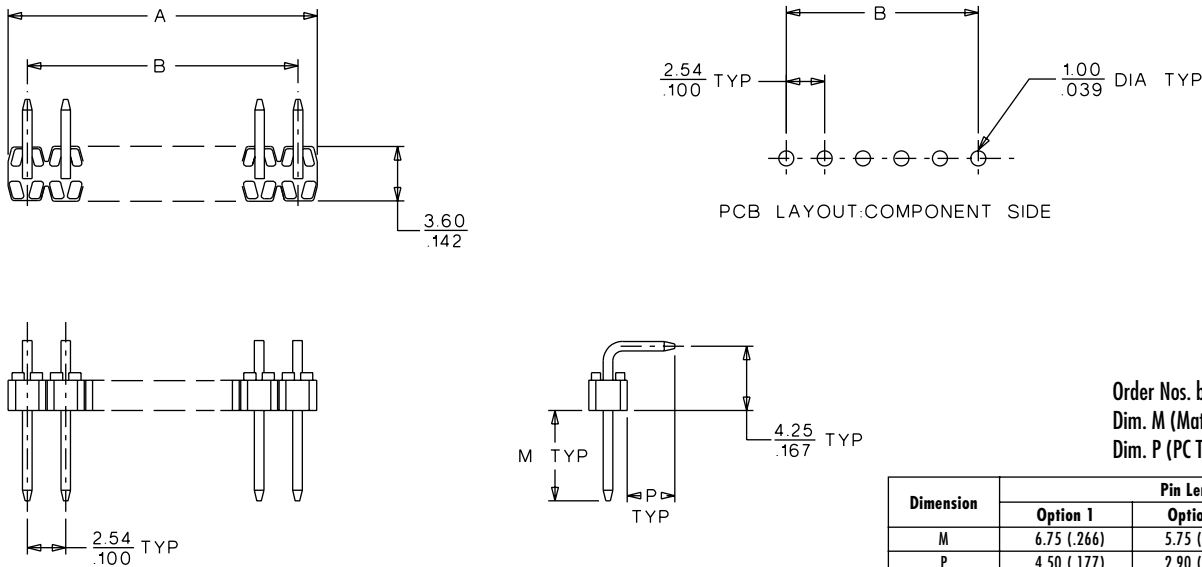
Single Row, Right Angle



2.54mm (.100") Pitch

CATALOG DRAWING (FOR REFERENCE ONLY)

Not For Use With Molex SL™ Components



Order Nos. below reflect standard
 Dim. M (Mating End)
 Dim. P (PC Tail)

Dimension	Pin Length		
	Option 1	Option 2	Option 3
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	90121-0122	90121-0762	90121-0922	5.08 (.200)	2.54 (.100)
3	90121-0123	90121-0763	90121-0923	7.62 (.300)	5.08 (.200)
4	90121-0124	90121-0764	90121-0924	10.16 (.400)	7.62 (.300)
5	90121-0125	90121-0765	90121-0925	12.70 (.500)	10.16 (.400)
6	90121-0126	90121-0766	90121-0926	15.24 (.600)	12.70 (.500)
7	90121-0127	90121-0767	90121-0927	17.78 (.700)	15.24 (.600)
8	90121-0128	90121-0768	90121-0928	20.32 (.800)	17.78 (.700)
9	90121-0129	90121-0769	90121-0929	22.86 (.900)	20.32 (.800)
10	90121-0130	90121-0770	90121-0930	25.40 (1.000)	22.86 (.900)
11	90121-0131	90121-0771	90121-0931	27.94 (1.100)	25.40 (1.000)
12	90121-0132	90121-0772	90121-0932	30.48 (1.200)	27.94 (1.100)
13	90121-0133	90121-0773	90121-0933	33.02 (1.300)	30.48 (1.200)
14	90121-0134	90121-0774	90121-0934	35.56 (1.400)	33.02 (1.300)
15	90121-0135	90121-0775	90121-0935	38.10 (1.500)	35.56 (1.400)
16	90121-0136	90121-0776	90121-0936	40.64 (1.600)	38.10 (1.500)
17	90121-0137	90121-0777	90121-0937	43.18 (1.700)	40.64 (1.600)
18	90121-0138	90121-0778	90121-0938	45.72 (1.800)	43.18 (1.700)
19	90121-0139	90121-0779	90121-0939	48.26 (1.900)	45.72 (1.800)
20	90121-0140	90121-0780	90121-0940	50.80 (2.000)	48.26 (1.900)

Circuits	Order No.			Dimension	
	Plating A	Plating E	Plating F	A	B
21	90121-0141	90121-0781	90121-0941	53.34 (2.100)	50.80 (2.000)
22	90121-0142	90121-0782	90121-0942	55.88 (2.200)	53.34 (2.100)
23	90121-0143	90121-0783	90121-0943	58.42 (2.300)	55.88 (2.200)
24	90121-0144	90121-0784	90121-0944	60.96 (2.400)	58.42 (2.300)
25	90121-0145	90121-0785	90121-0945	63.50 (2.500)	60.96 (2.400)
26	90121-0146	90121-0786	90121-0946	66.04 (2.600)	63.50 (2.500)
27	90121-0147	90121-0787	90121-0947	68.58 (2.700)	66.04 (2.600)
28	90121-0148	90121-0788	90121-0948	71.12 (2.800)	68.58 (2.700)
29	90121-0149	90121-0789	90121-0949	73.66 (2.900)	71.12 (2.800)
30	90121-0150	90121-0790	90121-0950	76.20 (3.000)	73.66 (2.900)
31	90121-0151	90121-0791	90121-0951	78.74 (3.100)	76.20 (3.000)
32	90121-0152	90121-0792	90121-0952	81.28 (3.200)	78.74 (3.100)
33	90121-0153	90121-0793	90121-0953	83.82 (3.300)	81.28 (3.200)
34	90121-0154	90121-0794	90121-0954	86.36 (3.400)	83.82 (3.300)
35	90121-0155	90121-0795	90121-0955	88.90 (3.500)	86.36 (3.400)
36	90121-0156	90121-0796	90121-0956	91.44 (3.600)	88.90 (3.500)
37	90121-0157	90121-0797	90121-0957	93.98 (3.700)	91.44 (3.600)
38	90121-0158	90121-0798	90121-0958	96.52 (3.800)	93.98 (3.700)
39	90121-0159	90121-0799	90121-0959	99.06 (3.900)	96.52 (3.800)
40	• 90121-0160	• 90121-0800	• 90121-0960	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