

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

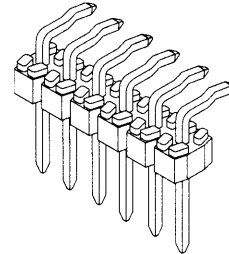
Physical

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™ Kinked Pin Header

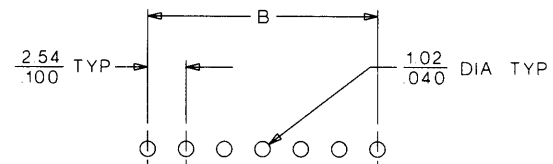
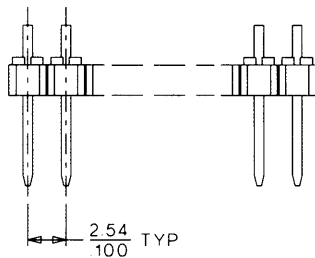
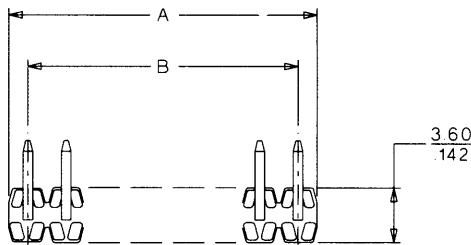
90629

Single Row Right Angle



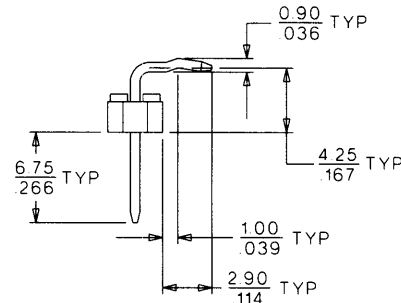
Not For Use With Molex SL™ Components

CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT COMPONENT SIDE

RECOMMENDED PANEL THICKNESS: 1.55 / .061



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.			Dimension	
	Plating A	Plating E	Plating F	A	B
2	90629-0122	90629-0762	90629-0922	5.08 (.200)	2.54 (.100)
3	90629-0123	90629-0763	90629-0923	7.62 (.300)	5.08 (.200)
4	90629-0124	90629-0764	90629-0924	10.16 (.400)	7.62 (.300)
5	90629-0125	90629-0765	90629-0925	12.70 (.500)	10.16 (.400)
6	90629-0126	90629-0766	90629-0926	15.24 (.600)	12.70 (.500)
7	90629-0127	90629-0767	90629-0927	17.78 (.700)	15.24 (.600)
8	90629-0128	90629-0768	90629-0928	20.32 (.800)	17.78 (.700)
9	90629-0129	90629-0769	90629-0929	22.86 (.900)	20.32 (.800)
10	90629-0130	90629-0770	90629-0930	25.40 (1.000)	22.86 (.900)
11	90629-0131	90629-0771	90629-0931	27.94 (1.100)	25.40 (1.000)
12	90629-0132	90629-0772	90629-0932	30.48 (1.200)	27.94 (1.100)
13	90629-0133	90629-0773	90629-0933	33.02 (1.300)	30.48 (1.200)
14	90629-0134	90629-0774	90629-0934	35.56 (1.400)	33.02 (1.300)
15	90629-0135	90629-0775	90629-0935	38.10 (1.500)	35.56 (1.400)
16	90629-0136	90629-0776	90629-0936	40.64 (1.600)	38.10 (1.500)
17	90629-0137	90629-0777	90629-0937	43.18 (1.700)	40.64 (1.600)
18	90629-0138	90629-0778	90629-0938	45.72 (1.800)	43.18 (1.700)
19	90629-0139	90629-0779	90629-0939	48.76 (1.900)	45.72 (1.800)

Circuits	Order No.			Dimension	
	Plating A	Plating E	Plating F	A	B
20	90629-0140	90629-0780	90629-0940	50.80 (2.000)	48.76 (1.900)
21	90629-0141	90629-0781	90629-0941	53.34 (2.100)	50.80 (2.000)
22	90629-0142	90629-0782	90629-0942	55.88 (2.200)	53.34 (2.100)
23	90629-0143	90629-0783	90629-0943	58.42 (2.300)	55.88 (2.200)
24	90629-0144	90629-0784	90629-0944	60.46 (2.400)	58.42 (2.300)
25	90629-0145	90629-0785	90629-0945	63.50 (2.500)	60.46 (2.400)
26	90629-0146	90629-0786	90629-0946	66.04 (2.600)	63.50 (2.500)
27	90629-0147	90629-0787	90629-0947	68.58 (2.700)	66.04 (2.600)
28	90629-0148	90629-0788	90629-0948	71.12 (2.800)	68.58 (2.700)
29	90629-0149	90629-0789	90629-0949	73.66 (2.900)	71.12 (2.800)
30	90629-0150	90629-0790	90629-0950	76.20 (3.000)	73.66 (2.900)
31	90629-0151	90629-0791	90629-0951	78.24 (3.100)	76.20 (3.000)
32	90629-0152	90629-0792	90629-0952	81.28 (3.200)	78.24 (3.100)
33	90629-0153	90629-0793	90629-0953	83.82 (3.300)	81.28 (3.200)
34	90629-0154	90629-0794	90629-0954	86.36 (3.400)	83.82 (3.300)
35	90629-0155	90629-0795	90629-0955	88.90 (3.500)	86.36 (3.400)
36	90629-0156	90629-0796	90629-0956	91.44 (3.600)	88.90 (3.500)
37	90629-0157	90629-0797	90629-0957	93.98 (3.700)	91.44 (3.600)
38	90629-0158	90629-0798	90629-0958	96.52 (3.800)	93.98 (3.700)
39	90629-0159	90629-0799	90629-0959	99.06 (3.900)	96.52 (3.800)
40	• 90629-0160	• 90629-0800	• 90629-0960	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