

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 4 to 80 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

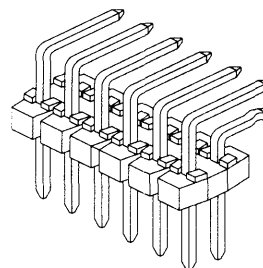
Operating Temperature: -55 to +125°C



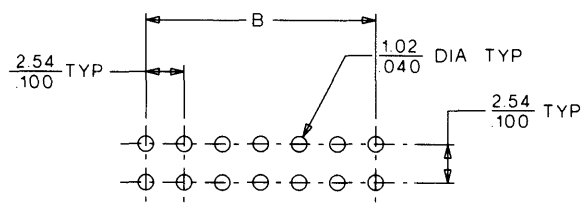
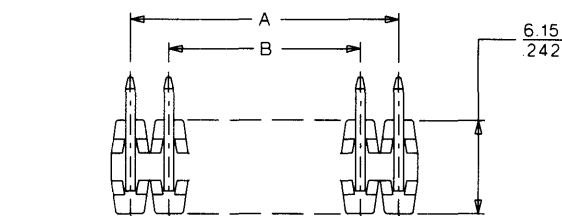
2.54mm (.100") Pitch C-Grid III™ Kinked Pin Header

90630

Dual Row Right Angle

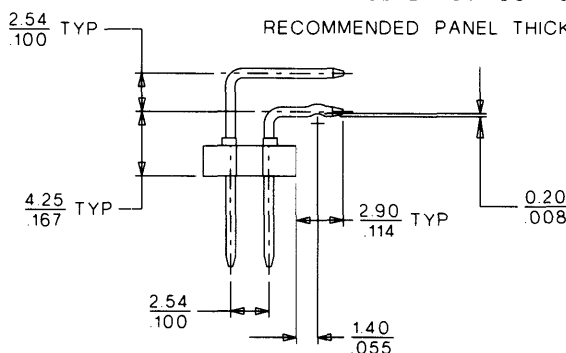
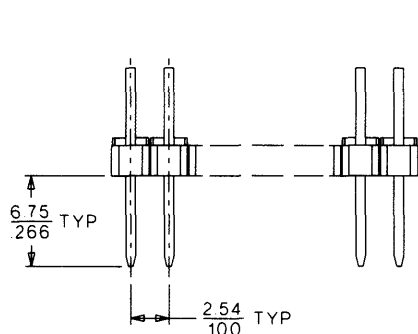


CATALOG DRAWING (FOR REFERENCE ONLY)



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
4	90630-0122	90630-0762	90630-0922	5.08 (.200)	2.54 (.100)
6	90630-0123	90630-0763	90630-0923	7.62 (.300)	5.08 (.200)
8	90630-0124	90630-0764	90630-0924	10.16 (.400)	7.62 (.300)
10	90630-0125	90630-0765	90630-0925	12.70 (.500)	10.16 (.400)
12	90630-0126	90630-0766	90630-0926	15.24 (.600)	12.70 (.500)
14	90630-0127	90630-0767	90630-0927	17.78 (.700)	15.24 (.600)
16	90630-0128	90630-0768	90630-0928	20.32 (.800)	17.78 (.700)
18	90630-0129	90630-0769	90630-0929	22.86 (.900)	20.32 (.800)
20	90630-0130	90630-0770	90630-0930	25.40 (1.000)	22.86 (.900)
22	90630-0131	90630-0771	90630-0931	27.94 (1.100)	25.40 (1.000)
24	90630-0132	90630-0772	90630-0932	30.48 (1.200)	27.94 (1.100)
26	90630-0133	90630-0773	90630-0933	33.02 (1.300)	30.48 (1.200)
28	90630-0134	90630-0774	90630-0934	35.56 (1.400)	33.02 (1.300)
30	90630-0135	90630-0775	90630-0935	38.10 (1.500)	35.56 (1.400)
32	90630-0136	90630-0776	90630-0936	40.64 (1.600)	38.10 (1.500)
34	90630-0137	90630-0777	90630-0937	43.18 (1.700)	40.64 (1.600)
36	90630-0138	90630-0778	90630-0938	45.72 (1.800)	43.18 (1.700)

• 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

Circuits	Order No.			Dimension	
	Plating A	Plating E	Plating F	A	B
38	90630-0139	90630-0779	90630-0939	48.76 (1.900)	45.72 (1.800)
40	90630-0140	90630-0780	90630-0940	50.80 (2.000)	48.76 (1.900)
42	90630-0141	90630-0781	90630-0941	53.34 (2.100)	50.80 (2.000)
44	90630-0142	90630-0782	90630-0942	55.88 (2.200)	53.34 (2.100)
46	90630-0143	90630-0783	90630-0943	58.42 (2.300)	55.88 (2.200)
48	90630-0144	90630-0784	90630-0944	60.46 (2.400)	58.42 (2.300)
50	90630-0145	90630-0785	90630-0945	63.50 (2.500)	60.46 (2.400)
52	90630-0146	90630-0786	90630-0946	66.04 (2.600)	63.50 (2.500)
54	90630-0147	90630-0787	90630-0947	68.58 (2.700)	66.04 (2.600)
56	90630-0148	90630-0788	90630-0948	71.12 (2.800)	68.58 (2.700)
58	90630-0149	90630-0789	90630-0949	73.66 (2.900)	71.12 (2.800)
60	90630-0150	90630-0790	90630-0950	76.20 (3.000)	73.66 (2.900)
62	90630-0151	90630-0791	90630-0951	78.24 (3.100)	76.20 (3.000)
64	90630-0152	90630-0792	90630-0952	81.28 (3.200)	78.24 (3.100)
66	90630-0153	90630-0793	90630-0953	83.82 (3.300)	81.28 (3.200)
68	90630-0154	90630-0794	90630-0954	86.36 (3.400)	83.82 (3.300)
70	90630-0155	90630-0795	90630-0955	88.90 (3.500)	86.36 (3.400)
72	90630-0156	90630-0796	90630-0956	91.44 (3.600)	88.90 (3.500)
74	90630-0157	90630-0797	90630-0957	93.98 (3.700)	91.44 (3.600)
76	90630-0158	90630-0798	90630-0958	96.52 (3.800)	93.98 (3.700)
78	90630-0159	90630-0799	90630-0959	99.06 (3.900)	96.52 (3.800)
80	• 90630-0160	• 90630-0800	• 90630-0960	101.60 (4.000)	99.06 (3.900)