

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 and high mechanical stability after soldering
- Stackable side-to-side

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

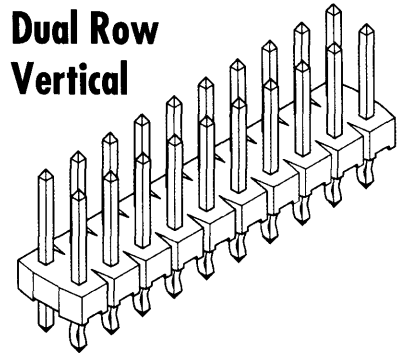
Physical

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

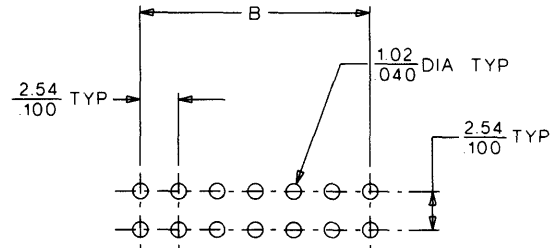
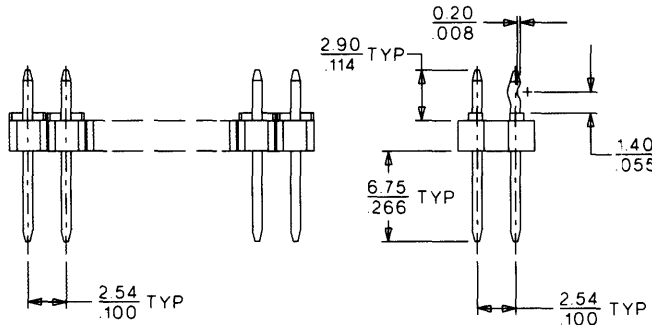
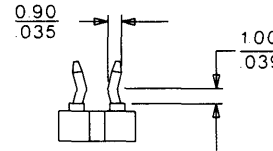
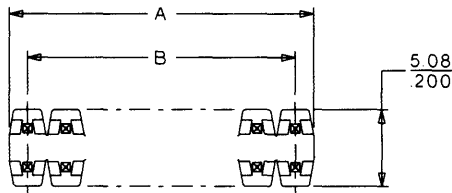
90628 Dual Row Vertical



Not For Use With Molex SL™ Components

2.54mm (.100") Pitch

CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT COMPONENT SIDE

RECOMMENDED PCB THICKNESS: 1.55 (.061)

ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.			Dimension	
	Plating A	Plating E	Plating F	A	B
4	90628-0122	90628-0762	90628-0922	5.08 (.200)	2.54 (.100)
6	90628-0123	90628-0763	90628-0923	7.62 (.300)	5.08 (.200)
8	90628-0124	90628-0764	90628-0924	10.16 (.400)	7.62 (.300)
10	90628-0125	90628-0765	90628-0925	12.70 (.500)	10.16 (.400)
12	90628-0126	90628-0766	90628-0926	15.24 (.600)	12.70 (.500)
14	90628-0127	90628-0767	90628-0927	17.78 (.700)	15.24 (.600)
16	90628-0128	90628-0768	90628-0928	20.32 (.800)	17.78 (.700)
18	90628-0129	90628-0769	90628-0929	22.86 (.900)	20.32 (.800)
20	90628-0130	90628-0770	90628-0930	25.40 (1.000)	22.86 (.900)
22	90628-0131	90628-0771	90628-0931	27.94 (1.100)	25.40 (1.000)
24	90628-0132	90628-0772	90628-0932	30.48 (1.200)	27.94 (1.100)
26	90628-0133	90628-0773	90628-0933	33.02 (1.300)	30.48 (1.200)
28	90628-0134	90628-0774	90628-0934	35.56 (1.400)	33.02 (1.300)
30	90628-0135	90628-0775	90628-0935	38.10 (1.500)	35.56 (1.400)
32	90628-0136	90628-0776	90628-0936	40.64 (1.600)	38.10 (1.500)
34	90628-0137	90628-0777	90628-0937	43.18 (1.700)	40.64 (1.600)
36	90628-0138	90628-0778	90628-0938	45.72 (1.800)	43.18 (1.700)
38	90628-0139	90628-0779	90628-0939	48.76 (1.900)	45.72 (1.800)
40	90628-0140	90628-0780	90628-0940	50.80 (2.000)	48.76 (1.900)

Circuits	Order No.			Dimension	
	Plating A	Plating E	Plating F	A	B
42	90628-0141	90628-0781	90628-0941	53.34 (2.100)	50.80 (2.000)
44	90628-0142	90628-0782	90628-0942	55.88 (2.200)	53.34 (2.100)
46	90628-0143	90628-0783	90628-0943	58.42 (2.300)	55.88 (2.200)
48	90628-0144	90628-0784	90628-0944	60.46 (2.400)	58.42 (2.300)
50	90628-0145	90628-0785	90628-0945	63.50 (2.500)	60.46 (2.400)
52	90628-0146	90628-0786	90628-0946	66.04 (2.600)	63.50 (2.500)
54	90628-0147	90628-0787	90628-0947	68.58 (2.700)	66.04 (2.600)
56	90628-0148	90628-0788	90628-0948	71.12 (2.800)	68.58 (2.700)
58	90628-0149	90628-0789	90628-0949	73.66 (2.900)	71.12 (2.800)
60	90628-0150	90628-0790	90628-0950	76.20 (3.000)	73.66 (2.900)
62	90628-0151	90628-0791	90628-0951	78.24 (3.100)	76.20 (3.000)
64	90628-0152	90628-0792	90628-0952	81.28 (3.200)	78.24 (3.100)
66	90628-0153	90628-0793	90628-0953	83.82 (3.300)	81.28 (3.200)
68	90628-0154	90628-0794	90628-0954	86.36 (3.400)	83.82 (3.300)
70	90628-0155	90628-0795	90628-0955	88.90 (3.500)	86.36 (3.400)
72	90628-0156	90628-0796	90628-0956	91.44 (3.600)	88.90 (3.500)
74	90628-0157	90628-0797	90628-0957	93.98 (3.700)	91.44 (3.600)
76	90628-0158	90628-0798	90628-0958	96.52 (3.800)	93.98 (3.700)
78	90628-0159	90628-0799	90628-0959	99.06 (3.900)	96.52 (3.800)
80	• 90628-0160	• 90628-0800	• 90628-0960	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