

**molex** C-Grid III™ 2.54mm (.100") Pitch Headers (Cont.)



Fig.	Circuits	Dimension A Inch (mm)	Digi-Key Part No.	Pricing				Molex Part No.
				1	10	100	500	
2	2	.200 (5.08)	WM8108-ND	.32	2.86	19.05	76.18	90121-0762
	3	.300 (7.62)	WM8109-ND	.49	4.31	28.76	115.04	90121-0763
	4	.400 (10.16)	WM8110-ND	.71	6.26	41.73	166.92	90121-0764
	5	.500 (12.70)	WM8111-ND	.89	7.84	52.26	209.03	90121-0765
	6	.600 (15.24)	WM8112-ND	1.07	9.42	62.79	251.15	90121-0766
	7	.700 (17.78)	WM8113-ND	1.25	11.00	73.32	293.27	90121-0767
	8	.800 (20.32)	WM8114-ND	1.42	12.52	83.46	333.83	90121-0768
	9	.900 (22.86)	WM8115-ND	1.59	14.04	93.60	374.39	90121-0769
	10	1.000 (25.40)	WM8116-ND	1.63	14.40	96.00	384.01	90121-0770
	11	1.100 (27.94)	WM8117-ND	1.79	15.80	105.33	421.32	90121-0771
	12	1.200 (30.48)	WM8118-ND	2.13	18.78	125.19	500.74	90121-0772
	40	4.000 (101.60)	WM8119-ND	7.03	62.05	413.65	1654.59	90121-0800
3	4	.200 (5.08)	WM8138-ND	.65	5.77	38.48	153.91	90131-0762
	6	.300 (7.62)	WM8139-ND	.98	8.63	57.52	230.09	90131-0763
	8	.400 (10.16)	WM8140-ND	1.31	11.55	76.99	307.96	90131-0764
	10	.500 (12.70)	WM8141-ND	1.63	14.40	96.00	384.01	90131-0765
	12	.600 (15.24)	WM8142-ND	1.96	17.26	115.05	460.18	90131-0766
	14	.700 (17.78)	WM8143-ND	2.29	20.18	134.52	538.06	90131-0767
	16	.800 (20.32)	WM8144-ND	2.61	23.03	153.56	614.24	90131-0768
	18	.900 (22.86)	WM8145-ND	3.59	31.72	211.47	845.88	90131-0769
	20	1.000 (25.40)	WM8146-ND	3.26	28.81	192.04	768.15	90131-0770
	22	1.100 (27.94)	WM8147-ND	3.59	31.72	211.47	845.88	90131-0771
	24	1.200 (30.48)	WM8148-ND	3.92	34.58	230.52	922.06	90131-0772
	26	1.300 (33.02)	WM8149-ND	4.24	37.43	249.56	998.23	90131-0773
28	1.400 (35.56)	WM8150-ND	4.63	40.84	272.24	1088.97	90131-0774	
30	1.500 (38.10)	WM8151-ND	4.92	43.45	289.66	1158.65	90131-0775	

Fig.	Circuits	Dimension A Inch (mm)	Digi-Key Part No.	Pricing				Molex Part No.
				1	10	100	500	
3	40	2.000 (50.80)	WM8152-ND	6.53	57.61	384.07	1536.29	90131-0780
	50	2.500 (63.50)	WM8153-ND	8.15	71.95	479.69	1918.74	90131-0785
	60	3.000 (76.20)	WM8154-ND	9.79	86.42	576.11	2304.44	90131-0790
	72	3.600 (91.44)	WM8155-ND	11.41	100.64	670.91	2683.63	90131-0796
	80	4.000 (101.60)	WM8156-ND	13.07	115.28	768.54	3074.14	90131-0800
	4	.200 (5.08)	WM8175-ND	.91	8.02	53.50	213.98	90122-0762
	6	.300 (7.62)	WM8176-ND	1.58	13.92	92.79	371.14	90122-0763
	8	.400 (10.16)	WM8177-ND	1.82	16.04	106.96	427.82	90122-0764
	10	.500 (12.70)	WM8178-ND	2.05	18.05	120.31	481.24	90122-0765
	12	.600 (15.24)	WM8179-ND	2.40	21.15	140.98	563.92	90122-0766
	14	.700 (17.78)	WM8180-ND	2.83	24.98	166.53	666.10	90122-0767
	16	.800 (20.32)	WM8181-ND	2.97	26.19	174.62	698.47	90122-0768
18	.900 (22.86)	WM8182-ND	3.27	28.86	192.43	769.70	90122-0769	
20	1.000 (25.40)	WM8183-ND	3.57	31.48	209.85	839.38	90122-0770	
22	1.100 (27.94)	WM8184-ND	3.90	34.46	229.70	918.81	90122-0771	
24	1.200 (30.48)	WM8185-ND	4.28	37.47	251.57	1006.29	90122-0772	
26	1.300 (33.02)	WM8186-ND	4.59	40.47	269.81	1079.22	90122-0773	
28	1.400 (35.56)	WM8187-ND	4.92	43.41	289.38	1157.52	90122-0774	
30	1.500 (38.10)	WM8188-ND	5.27	46.53	310.23	1240.91	90122-0775	
40	2.000 (50.80)	WM8189-ND	6.87	60.59	403.93	1615.73	90122-0780	
50	2.500 (63.50)	WM8190-ND	9.78	86.29	575.30	2301.19	90122-0785	
60	3.000 (76.20)	WM8191-ND	11.57	102.09	680.63	2722.50	90122-0790	
80	4.000 (101.60)	WM8192-ND	14.92	131.63	877.50	3510.01	90122-0800	
<b>Shunt</b>								
2 Position, .100 Tin			WM1034-ND	.28	2.43	16.22	64.87	90059-0007



**Shrouded Headers**



**Specifications:**

**Electrical:** • Voltage: 350V • Current Rating: 3.0A • Contact Resistance: 20mΩ maximum • Insulation Resistance: 1,000 MΩ minimum  
**Physical:** • Housing: Black glass-filled polyester • UL94V-0 • Operating Temperature: -55°C - 125°C • Contact: Copper Alloy, 0.64mm (.025") square pins

**Note: C-Grid III does not mate to C-Grid**

Fig. 1 – Single Row, Right Angle

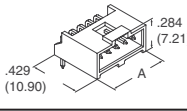


Fig. 2 – Single Row, Vertical

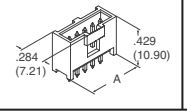


Fig. 3 – Dual Row, Vertical, Fully Loaded

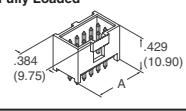


Fig. 4 – Dual Row, Right Angle, Fully Loaded

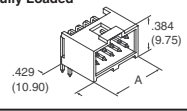


Fig.	Circuits	Dimension A Inch (mm)	Digi-Key Part No.	Pricing				Molex Part No.	
				1	10	100	500		
<b>Tin Contacts with Tin Tails</b>									
1	2	.347 (8.81)	WM8193-ND	.78	6.87	45.79	183.17	90136-2102	
	3	.447 (11.35)	WM8194-ND	.88	7.78	51.87	207.47	90136-2103	
	4	.547 (13.89)	WM8195-ND	1.14	10.03	66.85	267.41	90136-2104	
	5	.647 (16.43)	WM8196-ND	1.36	11.97	79.82	319.27	90136-2105	
	6	.747 (18.97)	WM8197-ND	1.54	13.61	90.74	362.94	90136-2106	
	8	.947 (24.05)	WM8199-ND	2.07	18.29	121.94	487.74	90136-2108	
	9	1.047 (26.59)	WM8200-ND	.87	7.66	51.06	204.23	90136-2109	
	10	1.147 (29.13)	WM8201-ND	.96	8.51	56.71	226.84	90136-2110	
	12	1.347 (34.21)	WM8202-ND	1.16	10.21	68.05	272.21	90136-2112	
	2	2	.347 (8.81)	WM8213-ND	.71	6.26	41.73	166.92	90136-1102
		3	.447 (11.35)	WM8214-ND	.73	6.44	42.93	171.72	90136-1103
		4	.547 (13.89)	WM8215-ND	1.00	8.81	58.76	235.03	90136-1104
5		.647 (16.43)	WM8216-ND	1.11	9.78	65.23	260.90	90136-1105	
6		.747 (18.97)	WM8217-ND	1.27	11.18	74.55	298.21	90136-1106	
7		.847 (21.51)	WM8218-ND	1.45	12.76	85.08	340.33	90136-1107	
3	8	.947 (24.05)	WM8219-ND	1.67	14.77	98.44	393.76	90136-1108	
	9	1.047 (26.59)	WM8220-ND	1.88	16.59	110.59	442.37	90136-1109	
	10	1.147 (29.13)	WM8221-ND	2.00	17.62	117.48	469.93	90136-1110	
	12	1.347 (34.21)	WM8222-ND	2.28	20.14	134.27	537.07	90136-1112	
	6	.407 (10.34)	WM8233-ND	1.45	12.82	85.47	341.88	90130-1106	
	8	.507 (12.88)	WM8234-ND	1.68	14.83	98.86	395.45	90130-1108	
	10	.607 (15.42)	WM8235-ND	1.89	16.71	111.41	445.62	90130-1110	
	12	.707 (17.96)	WM8236-ND	2.12	18.72	124.80	499.19	90130-1112	
	14	.807 (20.50)	WM8237-ND	2.34	20.66	137.73	550.91	90130-1114	
	16	.907 (23.04)	WM8238-ND	2.56	22.60	150.70	602.79	90130-1116	
	18	1.007 (25.58)	WM8239-ND	3.11	27.41	182.71	730.84	90130-1118	
	20	1.107 (28.12)	WM8240-ND	3.62	31.91	212.71	850.83	90130-1120	
24	1.307 (33.20)	WM8241-ND	4.15	36.59	243.91	975.62	90130-1124		
26	1.407 (35.74)	WM8242-ND	4.49	39.62	264.15	1056.61	90130-1126		
4	30	1.607 (40.82)	WM8243-ND	5.18	45.70	304.65	1218.58	90130-1130	
	34	1.807 (45.90)	WM8244-ND	5.77	50.93	339.52	1358.07	90130-1134	
	40	2.107 (53.52)	WM8245-ND	6.50	57.37	382.45	1529.79	90130-1140	
	50	2.607 (66.22)	WM8246-ND	6.89	60.77	405.13	1620.53	90130-1150	
	6	.407 (10.34)	WM8261-ND	1.59	14.04	93.60	374.39	90130-3106	
	8	.507 (12.88)	WM8262-ND	1.83	16.17	107.77	431.07	90130-3108	
	10	.607 (15.42)	WM8263-ND	2.08	18.35	122.36	489.43	90130-3110	
	12	.707 (17.96)	WM8264-ND	2.32	20.48	136.53	546.11	90130-3112	
	14	.807 (20.50)	WM8265-ND	2.57	22.67	151.12	604.49	90130-3114	
	16	.907 (23.04)	WM8266-ND	2.81	24.79	165.29	661.15	90130-3116	
	18	1.007 (25.58)	WM8267-ND	3.42	30.20	201.37	805.46	90130-3118	
	20	1.107 (28.12)	WM8268-ND	3.72	32.82	218.79	875.14	90130-3120	
24	1.307 (33.20)	WM8269-ND	4.56	40.23	268.22	1072.86	90130-3124		
26	1.407 (35.74)	WM8270-ND	4.94	43.57	290.48	1161.90	90130-3126		
30	1.607 (40.82)	WM8271-ND	5.70	50.32	335.46	1341.82	90130-3130		
34	1.807 (45.90)	WM8272-ND	6.49	57.25	381.64	1526.54	90130-3134		
40	2.107 (53.52)	WM8273-ND	7.90	69.71	464.71	1858.82	90130-3140		

Fig.	Circuits	Dimension A Inch (mm)	Digi-Key Part No.	Pricing				Molex Part No.
				1	10	100	500	
<b>Gold Contacts with Tin Tails</b>								
1	2	.347 (8.81)	WM8203-ND	.91	8.02	53.50	213.98	90136-2202
	3	.447 (11.35)	WM8204-ND	1.16	10.21	68.05	272.21	90136-2203
	4	.547 (13.89)	WM8205-ND	1.48	13.06	87.10	348.39	90136-2204
	5	.647 (16.43)	WM8206-ND	1.66	14.64	97.63	390.50	90136-2205
	6	.747 (18.97)						