

molex .100" (2.54mm) Center Headers



.025" (.64mm) Square Pins

The Molex KK® Concept utilizes a double cantilever contact design in mating with P.C. Board pins. UL Recognized (File #29179), CSA Recognized (File 19980)

- Voltage Rating: 250VAC maximum
- Current Rating: Up to 4 Amps (with 22AWG wire)
- Resistance: 20mΩ maximum
- Dielectric Withstanding Voltage: 1500VAC for 60 seconds
- Storage Temperature: -40°C - 105°C
- Material: 94V-0

A

Fig. 1 - Straight Header

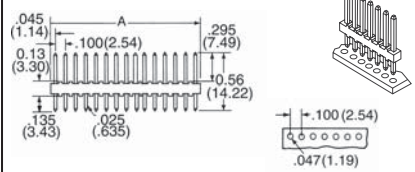


Fig. 2 - Right Angle Header

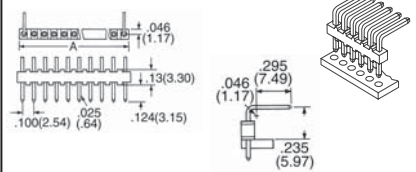


Fig. 3 - Straight - Friction Lock Header

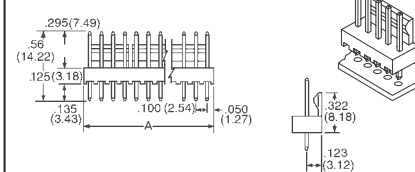


Fig. 4 - Right Angle - Friction Lock Header

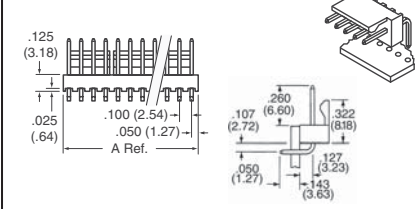


Fig. 5 - Straight - Friction Lock Header

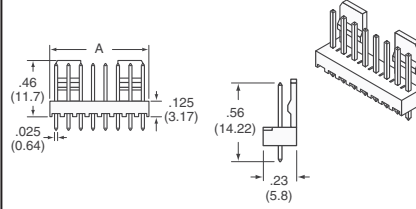
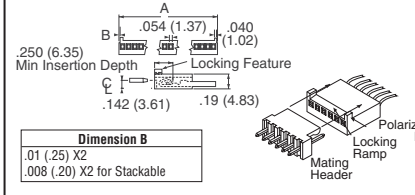


Fig. 6 - Center Crimp Terminal Housing (Contacts sold separately)



Dimension B	
.01 (25) X2	
.008 (.20) X2 for Stackable	

Fig.	Cir-uits	Dim. A Inch (mm)	Digi-Key Part No.	Pricing			Molex Part No.
				1	10	100	
.100" (2.54mm) Center Header - Tin							
1	2	.190 (4.83)	WM4000-ND	.37	2.16	9.59	22-03-2021
	3	.290 (7.37)	WM4001-ND	.45	2.76	15.90	22-03-2031
	4	.390 (9.91)	WM4002-ND	.59	3.67	21.09	22-03-2041
	5	.490 (12.45)	WM4003-ND	.46	4.03	26.83	22-03-2051
	6	.590 (14.99)	WM4004-ND	.63	4.40	29.55	22-03-2061
	7	.690 (17.53)	WM4005-ND	.64	5.67	37.80	22-03-2071
	8	.790 (20.07)	WM4006-ND	.64	5.67	37.80	22-03-2081
	9	.890 (22.61)	WM4007-ND	.72	6.35	42.32	22-03-2091
	10	.990 (25.15)	WM4008-ND	.73	6.40	42.67	22-03-2101
	11	1.09 (27.69)	WM4009-ND	.80	7.09	47.23	22-03-2111
	12	1.19 (30.23)	WM4010-ND	.88	7.76	51.76	22-03-2121
	2	2	.190 (4.83)	WM4100-ND	.20	1.75	11.64
3		.290 (7.37)	WM4101-ND	.29	2.56	17.06	22-05-2031
4		.390 (9.91)	WM4102-ND	.39	3.44	22.89	22-05-2041
5		.490 (12.45)	WM4103-ND	.49	4.30	28.69	22-05-2051
6		.590 (14.99)	WM4104-ND	.58	5.17	34.50	22-05-2061
7		.690 (17.53)	WM4105-ND	.68	5.99	39.94	22-05-2071
8		.790 (20.07)	WM4106-ND	.78	6.92	46.11	22-05-2081
9		.890 (22.61)	WM4107-ND	.88	7.79	51.96	22-05-2091
10		.990 (25.15)	WM4108-ND	.89	7.85	52.29	22-05-2101
11		1.09 (27.69)	WM4109-ND	.98	8.66	57.74	22-05-2111
12		1.19 (30.23)	WM4110-ND	1.07	9.37	62.46	22-05-2121
3		2	.200 (5.08)	WM4200-ND	.35	2.18	10.88
	3	.300 (7.62)	WM4201-ND	.45	2.79	16.00	22-23-2031
	4	.400 (10.16)	WM4202-ND	.57	3.52	20.26	22-23-2041
	5	.500 (12.70)	WM4203-ND	.68	4.20	24.18	22-23-2051
	6	.600 (15.24)	WM4204-ND	.55	3.88	26.07	22-23-2061
	7	.700 (17.78)	WM4205-ND	.75	5.27	35.36	22-23-2071
	8	.800 (20.32)	WM4206-ND	.86	6.07	40.74	22-23-2081
	9	.900 (22.86)	WM4207-ND	.74	6.49	43.23	22-23-2091
	10	1.00 (25.40)	WM4208-ND	.74	6.53	43.59	22-23-2101
	11	1.10 (27.94)	WM4209-ND	.82	7.20	47.97	22-23-2111
	12	1.20 (30.48)	WM4210-ND	.89	7.85	52.29	22-23-2121
	4	2	.200 (5.08)	WM4300-ND	.48	3.00	17.26
3		.300 (7.62)	WM4301-ND	.69	4.82	32.35	22-05-3031
4		.400 (10.16)	WM4302-ND	.88	6.18	41.50	22-05-3041
5		.500 (12.70)	WM4303-ND	.96	6.74	45.29	22-05-3051
6		.600 (15.24)	WM4304-ND	.86	7.54	50.23	22-05-3061
7		.700 (17.78)	WM4305-ND	.99	7.78	58.52	22-05-3071
8		.800 (20.32)	WM4306-ND	1.19	9.29	70.85	22-05-3081
9		.900 (22.86)	WM4307-ND	1.08	9.51	63.45	22-05-3091
10		1.00 (25.40)	WM4308-ND	1.09	9.63	64.21	22-05-3101
11		1.10 (27.94)	WM4309-ND	1.20	10.59	70.63	22-05-3111
12		1.20 (30.48)	WM4310-ND	1.23	10.88	72.54	22-05-3121
.100" (2.54mm) Center Header - Gold							
1	2	.190 (4.83)	WM2722-ND	.65	4.03	23.14	22-10-2021
	3	.290 (7.37)	WM2723-ND	.67	5.95	39.66	22-10-2031

Fig.	Cir-uits	Dim. A Inch (mm)	Digi-Key Part No.	Pricing			Molex Part No.	
				1	10	100		
1	4	.390 (9.91)	WM2724-ND	.90	7.93	52.85	22-10-2041	
	5	.490 (12.45)	WM2725-ND	1.12	9.91	66.11	22-10-2051	
	6	.590 (14.99)	WM2726-ND	1.35	11.84	78.92	22-10-2061	
	7	.690 (17.53)	WM2727-ND	1.50	13.21	88.03	22-10-2071	
	8	.790 (20.07)	WM2728-ND	1.71	15.13	100.84	22-10-2081	
	9	.890 (22.61)	WM2729-ND	1.93	16.99	113.30	22-10-2091	
	10	.990 (25.15)	WM2730-ND	2.14	18.87	125.79	22-10-2101	
	12	1.19 (30.23)	WM2732-ND	2.57	22.66	151.07	22-10-2121	
	2	2	.190 (4.83)	WM2733-ND	.47	4.20	27.97	22-12-2021
		3	.290 (7.37)	WM2734-ND	.69	6.10	40.66	22-12-2031
		4	.390 (9.91)	WM2735-ND	.89	7.85	52.29	22-12-2041
		5	.490 (12.45)	WM2736-ND	1.11	9.81	65.39	22-12-2051
6		.590 (14.99)	WM2737-ND	1.34	11.82	78.80	22-12-2061	
7		.690 (17.53)	WM2738-ND	1.56	13.78	91.89	22-12-2071	
8		.790 (20.07)	WM2739-ND	1.79	15.74	104.97	22-12-2081	
9		.890 (22.61)	WM2740-ND	2.01	17.76	118.40	22-12-2091	
10		.990 (25.15)	WM2741-ND	2.23	19.67	131.11	22-12-2101	
12		1.19 (30.23)	WM2743-ND	2.39	21.07	140.48	22-12-2121	
3		2	.200 (5.08)	WM2700-ND	.70	4.36	25.05	22-11-2022
		3	.300 (7.62)	WM2701-ND	.93	6.52	43.77	22-11-2032
	4	.400 (10.16)	WM2702-ND	.97	6.77	45.45	22-11-2042	
	5	.500 (12.70)	WM2703-ND	1.04	8.10	61.75	22-11-2052	
	6	.600 (15.24)	WM2704-ND	1.15	8.94	68.15	22-11-2062	
	7	.700 (17.78)	WM2705-ND	1.53	13.52	90.09	22-11-2072	
	8	.800 (20.32)	WM2706-ND	1.38	11.44	84.71	22-11-2082	
	9	.900 (22.86)	WM2707-ND	1.80	15.90	106.05	22-11-2092	
	10	1.00 (25.40)	WM2708-ND	2.00	17.65	117.68	22-11-2102	
	11	1.10 (27.94)	WM2709-ND	2.20	19.45	129.65	22-11-2112	
	12	1.20 (30.48)	WM2710-ND	2.40	21.19	141.26	22-11-2122	
	4	2	.200 (5.08)	WM2711-ND	.82	5.77	38.73	22-12-2024
3		.300 (7.62)	WM2712-ND	1.17	9.08	69.25	22-12-2034	
4		.400 (10.16)	WM2713-ND	1.44	12.75	84.96	22-12-2044	
5		.500 (12.70)	WM2714-ND	1.31	10.84	80.34	22-12-2054	
6		.600 (15.24)	WM2715-ND	1.42	11.80	87.46	22-12-2064	
7		.700 (17.78)	WM2716-ND	1.89	16.66	111.05	22-12-2074	
8		.800 (20.32)	WM2717-ND	1.97	17.39	115.96	22-12-2084	
9		.900 (22.86)	WM2718-ND	2.22	19.55	130.29	22-12-2094	
10		1.00 (25.40)	WM2719-ND	2.47	21.76	145.02	22-12-2104	
11		1.10 (27.94)	WM2720-ND	2.71	23.90	159.38	22-12-2114	
12		1.20 (30.48)	WM2721-ND	2.96	26.11	174.09	22-12-2124	
Straight - Friction Lock Header - Tin								
2	2	.200 (5.08)	WM4111-ND	.42	2.57	12.86	22-27-2021	
	3	.300 (7.62)	WM4112-ND	.51	3.20	18.42	22-27-2031	
	4	.400 (10.16)	WM4113-ND	.62	3.84	22.10	22-27-2041	
	5	.500 (12.70)	WM4114-ND	.71	4.42	25.39	22-27-2051	
	6	.600 (15.24)	WM4115-ND	.71	4.44	25.51	22-27-2061	
	5	7	.700 (17.78)	WM4116-ND	.64	5.67	37.80	22-27-2071
		8	.800 (20.32)	WM4117-ND	.73	6.46	43.08	22-27-2081
		9	.900 (22.86)	WM4118-ND	.82	7.26	48.35	22-27-2091
		10	1.00 (25.40)	WM4119-ND	.83	7.37	49.09	22-27-2101
		11	1.10 (27.94)	WM4120-ND	.92	8.10	54.01	22-27-2111
		12	1.20 (30.48)	WM4121-ND	.99	8.78	58.52	22-27-2121

Fig.	Cir-uits	Dim. A Inch (mm)	Digi-Key Part No.	Pricing			Molex Part No.	
				1	10	100		
Straight - Friction Lock Header - Gold								
2	2	.200 (5.08)	WM2744-ND	.52	3.65	24.52	22-29-2021	
	3	.300 (7.62)	WM2745-ND	.93	6.52	43.79	22-29-2031	
	4	.400 (10.16)	WM2746-ND	.76	5.32	35.72	22-29-2041	
	5	.500 (12.70)	WM2747-ND	1.31	11.50	76.68	22-29-2051	
	6	.600 (15.24)	WM2748-ND	1.44	12.69	84.60	22-29-2061	
	5	7	.700 (17.78)	WM2749-ND	1.67	14.73	98.20	22-29-2071
		8	.800 (20.32)	WM2750-ND	1.75	15.42	102.77	22-29-2081
		9	.900 (22.86)	WM2751-ND	1.97	17.39	115.96	22-29-2091
		10	1.00 (25.40)	WM2752-ND	2.19	19.26	128.41	22-29-2101
		11	1.10 (27.94)	WM2753-ND	2.41	21.25	141.66	22-29-2111
		12	1.20 (30.48)	WM2754-ND	2.62	23.11	154.10	22-29-2121
	.100" (2.54mm) Center Crimp Terminal Housing (Contacts Sold Separately Below) With Locking Ramp and Polarizing Ribs							
2	2	.222 (5.64)	WM2000-ND	.25	1.43	6.33	22-01-3027	
	3	.322 (8.18)	WM2001-ND	.35	2.07	9.19	22-01-3037	
	4	.422 (10.72)	WM2002-ND	.36	2.19	10.97	22-01-3047	
	5	.522 (13.26)	WM2003-ND	.50	3.03	15.15	22-01-305	