molex® Micro-Fit 3.0™ Connectors

Digi-Reel®

Features: • Fully isolated contacts • Fully polarized to mating receptacle • Integral pull tabs for ease in unmating **Electrical:** Series 43645, 43650, 43025 and 43045 are 600V; Series 43020 is 350V **Current:** 5.0A maximum **Contact Resistance:** 10mΩ maximum **Dielectric Withstanding Voltage:** Series 43645, 43650, 43025 and 43045 are 2200VAC; Series 43020 is 1700VAC **Insulation Resistance:** 1,000MΩ minimum

Physical: Housing: UL94V-0 Brass **Plating:** Tin or Gold
BMI Features and Benefits: Connectors float in panel cutout up to 1.27mm (.050") in any direction. Use standard Micro-Fit terminals. Innovative panel mounting design holds connectors firmly in place. Fully isolated contacts prevent terminal damage. Fully polarized to completely prevent mismatching.

A

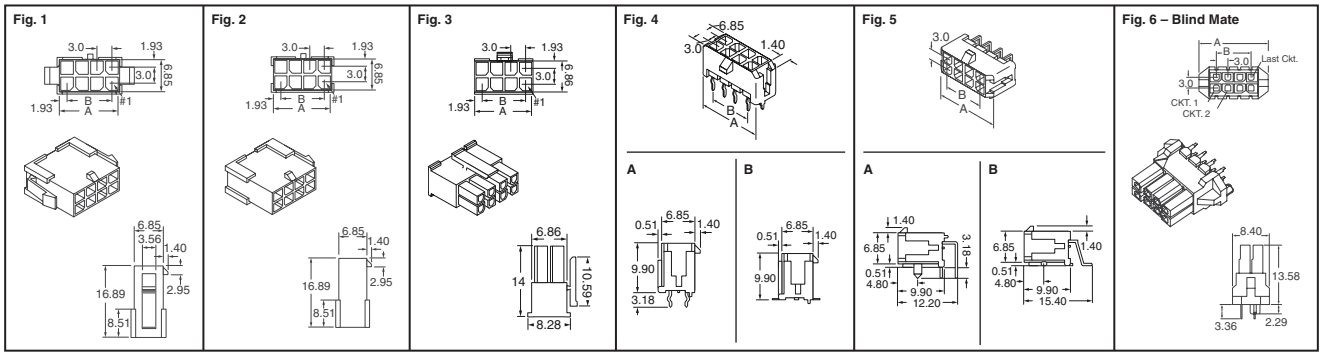

Fig.	Cir-cuits	Dimensions - mm A	B	Plating	Digi-Key Part No.	Price Each 1	10	100	Molex Part No.
Plug Housing — Panel Mount (uses male terminal) — RoHS Compliant									
1	2	3.85	—	—	WM1777-ND	.53	.33	.19	43020-0200
	4	6.85	3.00	—	WM1778-ND	.56	.35	.21	43020-0400
	6	9.85	6.00	—	WM1779-ND	.55	.50	.33	43020-0600
	8	12.85	9.00	—	WM1780-ND	.64	.56	.38	43020-0800
	10	15.85	12.00	—	WM1781-ND	.74	.66	.44	43020-1000
	12	18.85	15.00	—	WM1782-ND	.87	.77	.52	43020-1200
	14	21.85	18.00	—	WM2483-ND	1.02	.91	.61	43020-1400
	16	24.85	21.00	—	WM2484-ND	1.18	1.05	.70	43020-1600
	18	27.85	24.00	—	WM2485-ND	1.33	1.18	.79	43020-1800
	20	30.85	27.00	—	WM2486-ND	1.48	1.31	.87	43020-2000
	22	33.85	30.00	—	WM2487-ND	1.62	1.43	.96	43020-2200
	24	36.85	33.00	—	WM2488-ND	1.78	1.57	1.05	43020-2400
Plug Housing — Free Hanging (uses male terminal) — RoHS Compliant									
2	2	3.86	—	—	WM2761-ND	.53	.33	.19	43020-0201
	4	6.85	3.00	—	WM2772-ND	.56	.35	.21	43020-0401
	6	9.85	6.00	—	WM2762-ND	.68	.42	.25	43020-0601
	8	12.85	9.00	—	WM2763-ND	.57	.50	.34	43020-0801
	10	15.85	12.00	—	WM2764-ND	.66	.59	.39	43020-1001
	12	18.85	15.00	—	WM2765-ND	.78	.69	.46	43020-1201
	14	21.85	18.00	—	WM2766-ND	.92	.81	.54	43020-1401
	16	24.85	21.00	—	WM2767-ND	1.06	.94	.63	43020-1601
	18	27.85	24.00	—	WM2768-ND	1.19	1.05	.70	43020-1801
	20	30.85	27.00	—	WM2769-ND	1.32	1.17	.78	43020-2001
	22	33.85	30.00	—	WM2770-ND	1.45	1.28	.86	43020-2201
	24	36.85	33.00	—	WM2771-ND	1.59	1.40	.94	43020-2401
Receptacle Housing (uses female terminal) — RoHS Compliant									
3	2	3.85	—	—	WM1783-ND	.53	.33	.19	43025-0200
	4	6.85	3.00	—	WM1784-ND	.71	.45	.26	43025-0400
	6	9.85	6.00	—	WM1785-ND	.73	.46	.26	43025-0600
	8	12.85	9.00	—	WM1786-ND	.69	.49	.33	43025-0800
	10	15.85	12.00	—	WM1787-ND	.81	.57	.39	43025-1000
	12	18.85	15.00	—	WM1788-ND	.96	.67	.45	43025-1200
	14	21.85	18.00	—	WM2489-ND	.98	.77	.59	43025-1400
	16	24.85	21.00	—	WM2490-ND	1.18	1.05	.70	43025-1600
	18	27.85	24.00	—	WM2491-ND	1.33	1.18	.79	43025-1800
	20	30.85	27.00	—	WM2492-ND	1.07	.84	.64	43025-2000
	22	33.85	30.00	—	WM2493-ND	1.62	1.43	.96	43025-2200
	24	36.85	33.00	—	WM2494-ND	1.78	1.57	1.05	43025-2400
Vertical Header — Through-Hole with Offset Terminal Retention — RoHS Compliant									
4A	2	6.65	—	Tin	WM1789-ND	.94	.66	.45	43045-0212
	4	9.65	3.00	Tin	WM1790-ND	1.07	.94	.63	43045-0412
	6	12.65	6.00	Tin	WM1791-ND	1.45	1.13	.86	43045-0612
	8	15.65	9.00	Tin	WM1792-ND	1.64	1.45	.97	43045-0812
	10	18.65	12.00	Tin	WM1793-ND	1.92	1.70	1.13	43045-1012
	12	21.65	15.00	Tin	WM1794-ND	2.20	1.95	1.30	43045-1212
	14	24.65	18.00	Tin	WM4711-ND	2.49	2.21	1.47	43045-1412
	16	27.65	21.00	Tin	WM4712-ND	2.78	2.45	1.64	43045-1612
	18	30.65	24.00	Tin	WM4713-ND	3.12	2.76	1.84	43045-1812
	20	33.65	27.00	Tin	WM4714-ND	3.47	3.07	2.05	43045-2012
	22	36.65	30.00	Tin	WM4715-ND	3.82	3.37	2.25	43045-2212
	24	39.65	33.00	Tin	WM4716-ND	4.16	3.68	2.46	43045-2412
	2	6.65	—	Gold, 30µ"	WM1795-ND	1.21	1.07	.72	43045-0214
	4	9.65	3.00	Gold, 30µ"	WM1796-ND	1.68	1.48	.99	43045-0414
	6	12.65	6.00	Gold, 30µ"	WM1797-ND	2.13	1.88	1.26	43045-0614
	8	15.65	9.00	Gold, 30µ"	WM1798-ND	2.58	2.28	1.52	43045-0814
	10	18.65	12.00	Gold, 30µ"	WM1799-ND	3.03	2.68	1.79	43045-1014
	12	21.65	15.00	Gold	WM1800-ND	3.48	3.07	2.05	43045-1214
	14	24.65	18.00	Gold	WM4717-ND	3.93	3.48	2.32	43045-1414
	16	27.65	21.00	Gold	WM4718-ND	4.37	3.86	2.58	43045-1614
	18	30.65	24.00	Gold	WM4719-ND	4.92	4.34	2.90	43045-1814
	20	33.65	27.00	Gold	WM4720-ND	6.07	5.36	3.58	43045-2014
	22	36.65	30.00	Gold	WM4721-ND	6.01	5.31	3.54	43045-2214
	24	39.65	33.00	Gold	WM4722-ND	6.56	5.79	3.86	43045-2414
Vertical Header — SMT with Fitting Nails — RoHS Compliant									
4B	2	6.65	—	Tin	WM1801-ND	2.45	2.17	1.45	43045-0218
	4	9.65	3.00	Tin	WM1802-ND	2.84	2.51	1.68	43045-0418
	6	12.65	6.00	Tin	WM1803-ND	3.22	2.85	1.90	43045-0618
	8	15.65	9.00	Tin	WM1804-ND	3.69	3.26	2.18	43045-0818
	10	18.65	12.00	Tin	WM1805-ND	4.06	3.59	2.40	43045-1018
	12	21.65	15.00	Gold, 30µ"	WM1806-ND	4.44	3.92	2.62	43045-1218
4B	2	6.65	—	Gold, 30µ"	WM1807-ND	3.03	2.68	1.79	43045-0220
	4	9.65	3.00	Gold, 30µ"	WM1808-ND	3.65	3.23	2.15	43045-0420
	6	12.65	6.00	Gold, 30µ"	WM1809-ND	4.25	3.76	2.51	43045-0620
	8	15.65	9.00	Gold, 30µ"	WM1810-ND	4.94	4.36	2.91	43045-0820-P
	10	18.65	12.00	Gold, 30µ"	WM1811-ND	5.54	4.89	3.26	43045-1020
	12	21.65	15.00	Gold, 30µ"	WM1812-ND	6.13	5.41	3.61	43045-1220
Vertical Header — SMT with Fitting Nails — RoHS Compliant									
4B	2	6.65	—	Gold, 15µ"	WM2660CT-ND‡	2.41	2.13	1.42	43045-0219
	2	6.65	—	Gold, 15µ"	WM2660TR-ND†		198.76/200		43045-0219
	4	9.65	3.00	Gold, 15µ"	WM2661CT-ND‡	2.85	2.52	1.68	43045-0419
	4	9.65	3.00	Gold, 15µ"	WM2661TR-ND†		234.78/200		43045-0419
	6	12.65	6.00	Gold, 15µ"	WM2662CT-ND‡	3.28	2.90	1.93	43045-0619
	6	12.65	6.00	Gold, 15µ"	WM2662TR-ND†		269.97/200		43045-0619
	8	15.65	9.00	Gold, 15µ"	WM2663CT-ND‡	3.78	3.34	2.23	43045-0819
	8	15.65	9.00	Gold, 15µ"	WM2663TR-ND†		311.44/200		43045-0819
	10	18.65	12.00	Gold, 15µ"	WM2664CT-ND‡	4.21	3.72	2.48	43045-1019
	10	18.65	12.00	Gold, 15µ"	WM2664TR-ND†		346.63/200		43045-1019
	12	21.65	15.00	Gold, 15µ"	WM2665CT-ND‡	4.62	4.08	2.72	43045-1219
4B	12	21.65	15.00	Gold, 15µ"	WM2665TR-ND†		380.67/200		43045-1219
	14	24.65	18.00	Gold, 15µ"	WM2666CT-ND‡	5.06	4.46	2.98	43045-1419
	14	24.65	18.00	Gold, 15µ"	WM2666TR-ND†		416.19/200		43045-1419
	16	27.65	21.00	Gold, 15µ"	WM2667CT-ND‡	3.91	3.57	2.72	43045-1619
	16	27.65	21.00	Gold, 15µ"	WM2667TR-ND†		556.13/200		43045-1619
	18	30.65	24.00	Gold, 15µ"	WM2668CT-ND‡	6.09	5.37	3.58	43045-1819
	18	30.65	24.00	Gold, 15µ"	WM2668TR-ND†		501.11/200		43045-1819
	20	33.65	27.00	Gold, 15µ"	WM2669CT-ND‡	6.60	5.83	3.89	43045-2019
	20	33.65	27.00	Gold, 15µ"	WM2669TR-ND†		543.74/200		43045-2019
	22	36.65	30.00	Gold, 15µ"	WM2670CT-ND‡	7.11	6.28	4.19	43045-2219
	22	36.65	30.00	Gold, 15µ"	WM2670TR-ND†		585.70/200		43045-2219
	24	39.65	33.00	Gold, 15µ"	WM2671CT-ND‡	7.63	6.74	4.50	43045-2419
	24	39.65	33.00	Gold, 15µ"	WM2671TR-ND†		628.66/200		43045-2419
Vertical Header — Through-Hole — RoHS Compliant									
4A	2	6.65	—	Gold, 15µ"	WM2648-ND	.96	.85	.57	43045-0213
	4	9.65	3.00	Gold, 15µ"	WM2649-ND	1.33	1.18	.79	43045-0413
	6	12.65	6.00	Gold, 15µ"	WM2650-ND	1.69	1.49	1.00	43045-0613
	8	15.65	9.00	Gold, 15µ"	WM2651-ND	2.05	1.81	1.21	43045-0813
	10	18.65	12.00	Gold, 15µ"	WM2652-ND	2.40	2.13	1.42	43045-1013
	12	21.65	15.00	Gold, 15µ"	WM2653-ND	2.76	2.44	1.63	43045-1213
	14	24.65	18.00	Gold, 15µ"	WM2654-ND	3.12	2.76	1.84	43045-1413
	16	27.65	21.00	Gold, 15µ"	WM2655-ND	3.47	3.07	2.05	43045-1613
	18	30.65	24.00	Gold, 15µ"	WM2656-ND	3.91	3.45	2.30	43045-1813
	20	33.65	27.00	Gold, 15µ"	WM2657-ND	4.34	3.83	2.56	43045-2013
	22	36.65	30.00	Gold, 15µ"	WM2658-ND	4.77	4.21	2.81	43045-2213
	24	39.65	33.00	Gold, 15µ"	WM2659-ND	5.21	4.60	3.07	43045-2413
Right Angle Header — Through-Hole with PCB Pegs — RoHS Compliant									
5A	2	6.65	—	Tin	WM1813-ND	.88	.68	.52	43045-0200
	4	9.65	3.00	Tin	WM1814-ND	1.38	1.08	.82	43045-0400
	6	12.65	6.00	Tin	WM1815-ND	1.50	1.24	.92	43045-0600
	8	15.65	9.00	Tin	WM1816-ND	1.98	1.76	1.17	43045-0800
	10	18.65	12.00	Tin	WM1817-ND	2.32	2.05	1.37	43045-1000
	12	21.65	15.00	Tin	WM1818-ND	2.67	2.36	1.57	43045-1200
	14	24.65	18.00	Tin	WM4723-ND	3.02	2.66	1.78	43045-1400
	16	27.65	21.00	Tin	WM4724-ND	3.36	2.97	1.98	43045-1600
	18	30.65	24.00	Tin	WM4725-ND	3.78	3.34	2.23	43045-1800
	20	33.65	27.00	Tin	WM4726-ND	4.20	3.71	2.48	43045-2000
	22	36.65	30.00	Tin	WM4727-ND	4.63	4.08	2.72	43045-2200
	24	39.65	33.00	Tin	WM4728-ND	5.05	4.46	2.97	43045-2400
	2	6.65	—	Gold, 30µ"	WM1819-ND	1.48	1.31	.87	43045-0202
	4	9.65	3.00	Gold, 30µ"	WM1820-ND	2.02	1.79	1.20	43045-0402
	6	12.65	6.00	Gold, 30µ"	WM1821-ND	2.56	2.26	1.51	43045-0602

‡ Cut Tape † Tape and Reel ◆ ***RoHS Compliant***

(Continued)

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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