

molex® Modular Jacks



A

<p>Fig. 1</p> <p>Housing: Black glass-filled high temperature nylon, UL 94V-0 Contact: Phosphor Bronze Plating: 1.27µm (50µ") min. Gold in contact area and 1.27µm (50µ") Tin in tail area, both over Nickel overall Temperature: -40°C - 80°C (70°C for 48025 series)</p>	<p>Fig. 2</p> <p>Housing: Black glass-filled nylon, UL 94V-0 Contact: Phosphor Bronze Plating: Post plate 1.27µm min. Gold in contact area, Tin in tail area, both over Nickel overall Temperature: -40°C - 80°C</p>	<p>Fig. 3</p> <p>Housing: Black glass-filled nylon, UL 94V-0 Contact: Phosphor Bronze Plating: Select Gold in contact area, 1.27µm (50µ") min. Tin/Lead in tail area, both over Nickel overall Temperature: -40°C - 70°C</p>	<p>Fig. 4</p> <p>Housing: Black glass-filled nylon, UL 94V-0 Contact: Phosphor Bronze Plating: Select Gold in contact area, 1.27µm (50µ") min. Tin in solder tail area, both over Nickel overall Temperature: -40°C - 80°C</p>
<p>Fig. 5</p> <p>Housing: Black glass-filled nylon, UL 94V-0 Contact: Phosphor Bronze Plating: Post plate 1.27µm - 1.52µm (50µ" - 60µ") Gold in contact area, Tin in tail area, both over Nickel overall Temperature: -40°C - 80°C</p>	<p>Fig. 6</p> <p>Housing: Black polyester, UL 94V-0 Contact: Phosphor Bronze Plating: Post plate 1.27µm - 1.52µm (50µ" - 60µ") Gold in contact area, 1.90µm (75µ") min. Tin/Brass in tail area, both over Nickel overall Note: Panel cutout SMT are Black polyester, UL 94V-0 Temperature: -40°C - 80°C</p>	<p>Fig. 7</p> <p>Housing: High temperature thermoplastic (Polyamide, glass fiber filled for Part No. 48074-9001) Black, UL 94V-0 Contact: Phosphor Bronze Plating: 1.27µm (50µ") (30µ" for Part No. 48074-9001) min. Gold in contact area and 100µ" min. Tin/Lead in tail area, both over Nickel overall Temperature: -40°C - 70°C</p>	<p>Fig. 8</p> <p>Housing: Black glass-filled polyester, UL 94V-0 Contact: Phosphor Bronze Plating: 1.27µm (50µ") min. Gold in contact area, 1.0µm min. Tin in tail area, both over Nickel overall Temperature: -40°C - 80°C</p>
<p>Fig. 9</p> <p>Housing: Black polyester, UL 94V-0 Contact: Phosphor Bronze Plating: Post plate 1.27µm - 1.52µm (50µ" - 60µ") Gold in contact area, 1.90µm (75µ") min. pure Tin in tail area, both over Nickel overall Temperature: -40°C - 80°C</p>	<p>Fig. 10</p> <p>Housing: Black polyamide, glass fiber filled, UL 94V-0 Contact: Phosphor Bronze Plating: Post plate 1.27µm - 1.52µm (50µ" - 60µ") Gold in contact area, 1.90µm (75µ") min. Tin in tail area, both over Nickel overall Temperature: -40°C - 80°C</p>	<p>Fig. 11</p> <p>Housing: Black glass-filled nylon polyester, UL 94V-0 Contact: Phosphor Bronze Plating: Select Gold in contact area, 1.27µm min. 2.54µm Tin in tail area, both over Nickel overall Temperature: -40°C - 85°C (80°C for 44150 series)</p>	<p>Fig. 12</p> <p>Housing: Black glass-filled nylon polyester, UL 94V-0 Contact: Phosphor Bronze Plating: Select Gold in contact area, 1.27µm min. 2.54µm Tin in tail area, both over Nickel overall Temperature: -40°C - 80°C</p>
<p>Fig. 13</p> <p>Housing: Black glass-filled nylon polyester, UL 94V-0 Contact: Phosphor Bronze Plating: Select Gold in contact area, 1.27µm min. 2.54µm Tin in tail area, both over Nickel overall Temperature: -40°C - 85°C (80°C for 95501 series)</p>	<p>Fig. 14</p> <p>Housing: Black glass-filled nylon polyester, UL 94V-0 Contact: Phosphor Bronze Plating: Select Gold in contact area, 1.27µm min. 2.54µm Tin in tail area, both over Nickel overall Temperature: -40°C - 85°C (80°C for 42410 series)</p>	<p>Fig. 15</p> <p>Housing: Black LCP glass-filled, UL 94V-0 Contact: Brass plated Plating: 1.27µm (50µ") min. Gold in contact area, 1.90µm (75µ") min. tin in tail area, both over Nickel overall Temperature: -40°C - 80°C</p>	

Fig.	Circuits-Contacts	Key	Dimensions - mm			Digi-Key Part No.	Price Each			Molex Part No.
			A	B	C		1	10	100	
Right Angle - Low Profile, Shielded with Lightpipes — RoHS Compliant										
1	8-8	no	16.38	15.39	13.54	WM1637-ND	2.81	2.29	1.76	43860-0010-TR80
Right Angle - Low Profile, Inverted Unshielded — RoHS Compliant										
1	6-4	no	15.75	15.39	13.21	WM5430-ND	.84	.69	.53	43860-0003
	6-6	no	15.75	15.39	13.21	WM5431-ND	.97	.80	.61	43860-0002
	8-8	no	15.75	15.39	13.21	WM5432-ND	1.14	.93	.72	43860-0001
Right Angle - Low Profile, Inverted Shielded with All Panel Grounding Tabs										
1	6-4	no	16.38	15.39	13.54	WM5433-ND	2.12	1.73	1.33	43860-0015
	6-6	no	16.38	15.39	13.54	WM5434-ND	2.26	1.84	1.41	43860-0014
	8-8	no	16.38	15.39	13.54	WM5435-ND	2.42	1.97	1.52	43860-0013
Right Angle - Low Profile, Inverted Shielded with Offset Panel Grounding Tabs — RoHS Compliant										
1	6-4	no	16.38	15.39	13.54	WM5436-ND	2.12	1.73	1.33	43860-0006
	6-6	no	16.38	15.39	13.54	WM5437-ND	2.26	1.83	1.41	43860-0005
	8-8	no	16.38	15.39	13.54	WM5438-ND	2.46	2.00	1.54	43860-0004
Right Angle - Low Profile, Unshielded										
2	4-4	no	11.18	18.03	11.58	WM5439-ND	1.12	.92	.71	43202-4101
	6-2	no	13.21	18.03	11.58	WM5440-ND	1.06	.87	.67	43202-6107
	6-4	no	13.21	18.03	11.58	WM5473-ND	1.15	.94	.72	43202-6104
	6-4	no	13.21	18.03	11.58	WM5441-ND	1.45	1.18	.91	43202-6105
	6-6	no	13.21	18.03	11.58	WM5442-ND	1.23	1.01	.77	43202-6101
2	8-8	no	15.24	18.03	11.58	WM5445-ND	1.15	.94	.72	43202-8104
	8-10	no	15.24	18.03	11.58	WM5446-ND	1.31	1.07	.83	43202-8101
Right Angle - Low Profile — RoHS Compliant										
3	8-8	no	14.58	20.20	10.77	WM5463-ND	6.45	5.25	4.04	44661-0001
	8-8	no	15.75	13.21	15.11	WM5467-ND	1.11	.90	.70	44620-0001
	8-8	no	15.06	20.78	11.23	WM5469-ND	6.45	5.25	4.04	44661-0001
Right Angle - Low Profile SMT, with Flush Fitting Nails — RoHS Compliant										
4	6-6	no	13.21	—	—	WM5567CT-ND	1.51	1.23	—	44144-0005
	6-6	no	13.21	—	—	WM5567TR-ND	113.63/150	—	—	44144-0005
Right Angle - Low Profile, Inverted Shielded — RoHS Compliant										
5	8-8	yes	16.38	15.75	13.46	WM5468-ND	2.40	1.95	1.50	44620-0002
Right Angle - Low Profile — RoHS Compliant										
5	8-8	no	16.36	18.64	11.81	WM1635-ND	2.66	2.16	1.67	43202-8816-TR80
	8-8	no	16.36	18.64	11.81	WM1636-ND	2.66	2.16	1.67	43202-8817-TR80
Right Angle - Category 5 — RoHS Compliant										
5	8-8	no	15.80	21.06	13.06	WM5487-ND	5.05	4.11	3.16	44050-0003
	8-8	no	15.80	21.06	13.06	WM5488-ND	5.05	4.11	3.16	44050-0006
Right Angle Shielded with Integrated Magnetics and LED — RoHS Compliant										
5	8-8	no	16.20	25.40	13.30	WM5483-ND	7.13	5.49	4.39	48025-1090
	8-8	no	16.20	25.40	13.30	WM5484-ND	7.13	5.49	4.39	48025-1190
	8-8	no	16.20	25.40	13.30	WM5485-ND	7.02	5.40	4.32	48025-4000
Vertical - Standard Profile — RoHS Compliant										
6	4-4	no	11.18	—	—	WM5578-ND	1.59	1.29	1.00	95503-2441
	6-4	no	13.21	—	—	WM5579-ND	1.16	.94	.73	95503-2641
	6-6	no	13.21	—	—	WM5580-ND	1.61	1.31	1.01	95503-2661
	8-8	no	15.24	—	—	WM5581-ND	.97	.79	.61	95503-2881
Vertical - Standard Profile SMT — RoHS Compliant										
6	4-4	no	11.18	—	—	WM5583-ND	1.18	.96	.74	95503-6451
	6-4	no	13.21	—	—	WM5584-ND	1.23	1.01	.78	95503-6651
	6-6	no	13.21	—	—	WM5585-ND	1.19	.97	.75	95503-6671
	8-8	no	15.24	—	—	WM5586-ND	1.17	.95	.74	95503-6891

Fig.	Circuits-Contacts	Key	Dimensions - mm			Digi-Key Part No.	Price Each			Molex Part No.
			A	B	C		1	10	100	
Right Angle - Category 5 with LED — RoHS Compliant										
7	8-8	no	16.50	15.75	13.21	WM5448-ND	2.18	1.68	1.35	48146-0011
Right Angle Shielded with Integrated Magnetics and LED — RoHS Compliant										
7	8-8	no	16.20	25.40	13.30	WM5449-ND	8.72	6.72	5.38	48025-0002
	8-8	no	16.20	20.50	13.45	WM5450CT-ND	6.07	4.62	—	48074-9001
	8-8	no	16.20	20.50	13.45	WM5450TR-ND	395.78/100	—	—	48074-9001
Right Angle, Through Hole — RoHS Compliant										
8	4-4	no	12.20	13.00	14.50	WM5464-ND	1.07	.87	.67	52018-4446
	6-6	no	12.20	13.00	14.50	WM5465-ND	1.07	.87	.67	52018-6646
	8-8	no	12.20	13.00	14.50	WM5466-ND	2.97	2.42	1.86	52018-8846
9	4-4	no	11.18	20.57	14.99	WM5489-ND	.82	.67	.52	95009-2441
	6-4	no	13.21	20.57	14.99	WM5490-ND	.83	.67	.52	95009-2641
	6-6	no	13.21	20.57	14.99	WM5491-ND	1.06	.70	.54	95009-2661
	8-8	no	15.24	20.57	14.99	WM5492-ND	1.87	.87	.67	95009-2881
Bottom Entry - Low Profile, Through Hole — RoHS Compliant										
10	8-8	no	15.55	12.58	16.75	WM5486-ND	1.58	1.29	.99	95502-2883
Right Angle - Low Profile — RoHS Compliant										
11	2 x 8-8	no	31.12	21.02	14.63	WM5471-ND	8.42	6.84	5.26	44150-0005
	4 x 8-8	no	59.05	21.02	14.63	WM5482-ND	16.83	13.68	10.52	44150-0006
	2 x 8-8	no	32.36	15.47	13.45	WM5475-ND	7.05	5.74	4.42	44248-0085
	4 x 8-8	no	63.86	15.47	13.45	WM5476-ND	11.14	9.05	6.97	44248-0086
	2 x 8-8	no	32.36	15.47	13.45	WM5477-ND	9.67	7.86	6.05	44248-0029
	4 x 8-8	no	63.86	15.47	13.45	WM5478-ND	14.62	11.88	9.14	44248-0030
Right Angle, Shielded, Lightpipes, Stacked — RoHS Compliant										
12	8-8	no	59.18	33.95	26.73	WM5472-ND	32.54	26.44	20.34	44170-0001
Right Angle - Low Profile, Inverted, Lightpipes — RoHS Compliant										
13	8-8	no	15.75	14.99	13.21	WM5474-ND	1.54	1.25	.96	43860-0007
Right Angle - Low Profile — RoHS Compliant										
13	4-4	no	11.18	18.10	11.50	WM5568-ND	.91	.74	.57	95501-2441
	6-4	no	13.21	18.10	11.50	WM5569-ND	1.26	1.03	.79	95501-2641
	6-6	no	13.21	18.10	11.50	WM5570-ND	.92	.75	.58	95501-2661
	8-8	no	15.24	18.10	11.50	WM5571-ND	.92	.75	.58	95501-2881
	8-8	yes	15.24	18.10	11.50	WM5572-ND	1.21	.99	.77	95501-2882
Right Angle - Low Profile SMT — RoHS Compliant										
13	4-4	no	11.18	18.10	11.50	WM5573-ND	1.07	.87	.67	95501-6449
	6-4	no	13.21	18.10	11.50	WM5574-ND	1.08	.88	.68	95501-6649
	6-6	no	13.21	18.10	11.50	WM5575-ND	1.17	.96	.74	95501-6669