

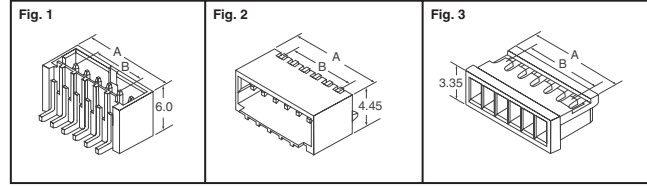
molex PicoBlade™ 1.25mm Connectors (Cont.)



1.5mm PICO SPOX™ Connectors



Features: • 2-15 circuits • Standard with center polarizing ramp • Lead in chamfer facilitates mating
Electrical: • Voltage: 350V, 50V (87439) • Current: 3.0A • Contact Resistance: 40mΩ maximum • Dielectric Withstanding Voltage: 500V • Insulation Resistance: 1,000MΩ minimum
Physical: • Operating Temperature: -55°C ~ 105°C • Housing: Glass filled 6/6 nylon, UL 94V-0 • Headers: Color beige glass filled 4/6 nylon, UL 94V-0 • Contact: Brass Alloy • Plating: Tin over 1.27µm minimum Nickel



Circuits	Dimensions (mm)		Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel		Molex Part No.
	A	B		1	10	100		Qty.	Pricing	
Fig. 1 — Vertical Headers										
5	8.80	6.00	WM18584CT-ND	1.00	.88	.59	WM18584TR-ND	1,000	409.56	87437-0543

Fig. 1 — Vertical Headers — RoHS Compliant										
2	4.30	1.50	WM7662CT-ND	.67	.60	.40	WM7662TR-ND	1,000	277.89	87437-0243
3	5.80	3.00	WM7663CT-ND	.60	.50	.37	WM7663TR-ND	1,000	551.63	87437-0343
4	7.30	4.50	WM7664CT-ND	.89	.79	.53	WM7664TR-ND	1,000	366.49	87437-0443
6	10.30	7.50	WM7665CT-ND	1.10	.98	.65	WM7665TR-ND	1,000	455.02	87437-0643
7	11.80	9.00	WM7666CT-ND	.91	.76	.57	WM7666TR-ND	1,000	455.99	87437-0743
8	13.30	10.50	WM7667CT-ND	1.32	1.17	.78	WM7667TR-ND	1,000	545.39	87437-0843
9	14.80	12.00	WM7668CT-ND	1.41	1.25	.84	WM7668TR-ND	1,000	582.81	87437-0943
10	16.30	13.50	WM7669CT-ND	1.51	1.34	.89	WM7669TR-ND	1,000	621.62	87437-1043
12	19.30	16.50	WM7671CT-ND	1.04	.88	.68	WM7671TR-ND	1,000	525.99	87437-1243
14	22.30	19.50	WM7673CT-ND	1.88	1.66	1.11	WM7673TR-ND	1,000	774.08	87437-1443
15	23.80	21.00	WM7674CT-ND	1.98	1.75	1.17	WM7674TR-ND	1,000	813.58	87437-1543

Fig. 2 — Right Angle Headers — RoHS Compliant										
2	4.30	1.50	WM7646CT-ND	.66	.58	.39	WM7646TR-ND	1,000	269.58	87438-0243
3	5.80	3.00	WM7647CT-ND	.56	.47	.35	WM7647TR-ND	3,000	234.93/M	87438-0343
4	7.30	4.50	WM7648CT-ND	.63	.53	.40	WM7648TR-ND	3,000	263.34/M	87438-0443
5	8.80	6.00	WM7649CT-ND	.94	.84	.56	WM7649TR-ND	1,000	389.47	87438-0543
6	10.30	7.50	WM7650CT-ND	1.09	.96	.64	WM7650TR-ND	1,000	446.99	87438-0643
7	11.80	9.00	WM7651CT-ND	1.28	1.13	.76	WM7651TR-ND	1,000	527.37	87438-0743
8	13.30	10.50	WM7652CT-ND	1.37	1.22	.81	WM7652TR-ND	1,000	566.18	87438-0843
9	14.80	12.00	WM7653CT-ND	1.41	1.24	.83	WM7653TR-ND	1,000	578.66	87438-0943
10	16.30	13.50	WM7654CT-ND	1.03	.87	.68	WM7654TR-ND	1,000	520.44	87438-1043
11	17.80	15.00	WM7655CT-ND	1.64	1.46	.97	WM7655TR-ND	1,000	677.06	87438-1143
12	19.30	16.50	WM7656CT-ND	1.77	1.56	1.04	WM7656TR-ND	1,000	726.96	87438-1243
14	22.30	19.50	WM7658CT-ND	2.00	1.77	1.18	WM7658TR-ND	1,000	825.36	87438-1443

Fig. 3 — Housing — RoHS Compliant										
2	4.10	1.50	WM2086-ND	.16	.14	.10	—	—	—	87439-0200
3	5.60	3.00	WM2087-ND	.18	.16	.11	—	—	—	87439-0300
4	7.10	4.50	WM2088-ND	.28	.18	.09	—	—	—	87439-0400
5	8.60	6.00	WM2089-ND	.21	.19	.13	—	—	—	87439-0500
6	10.10	7.50	WM2090-ND	.24	.21	.14	—	—	—	87439-0600
7	11.60	9.00	WM2091-ND	.26	.24	.16	—	—	—	87439-0700
8	13.10	10.50	WM2092-ND	.28	.25	.17	—	—	—	87439-0800
9	14.60	12.00	WM2093-ND	.28	.26	.17	—	—	—	87439-0900
10	16.10	13.50	WM2094-ND	.29	.26	.18	—	—	—	87439-1000
11	17.60	15.00	WM2095-ND	.30	.27	.18	—	—	—	87439-1100
14	22.10	19.50	WM2098-ND	.33	.30	.20	—	—	—	87439-1400
15	23.60	21.00	WM2099-ND	.35	.31	.21	—	—	—	87439-1500

§ Bulk

Description	Digi-Key Part No.	Pricing		Molex Part No.
		10	100	
Crimp Terminal 24 - 30AWG	WM1112-ND	.35	2.79	87421-0000-C
Hand Crimp Tool	WM9013-ND	141.02/1		63811-6400
Manual Wire Stripper	WM9969-ND	43.66/1		63817-0000
Blade Replacement Straight	WM9970-ND	20.58/1		63817-0070
Blade Replacement "V"	WM9971-ND	18.71/1		63817-0071

- ◆ **RoHS Compliant**
- Kits**
- WM8431-ND◆ (76650-0003) Pico-Spox Connector Kit; SMT Vertical and Right Angle Header and Receptacle..... 31.62
 - WM8473-ND◆ (76650-0150) Micro Miniature Application Kit; Includes CLIK-Mate™, PanelMate™, Sherlock™, Pico-Spox and MicroClasp™ Product Families..... 32.73
 - WM8486-ND◆ (76650-0165) PanelMate™ Connector Kit; Ultra Low Profile SMT Right Angle Header and Receptacle..... 34.08
- ◆ **RoHS Compliant**

Fig.	Circuits	Dimensions (mm)		Digi-Key Part No.	1	10	100	500	Molex Part No.
3	7	10.50	7.50	WM1747-ND	.89	.78	.53	.42	53048-0710
	8	11.75	8.75	WM1748-ND	.98	.87	.58	.46	53048-0810
	9	13.00	10.00	WM1749-ND	1.07	.95	.63	.51	53048-0910
	10	14.25	11.25	WM1750-ND	1.16	1.03	.69	.55	53048-1010
	11	15.50	12.50	WM1751-ND	1.25	1.11	.74	.60	53048-1110
	12	16.75	13.75	WM1752-ND	1.34	1.19	.80	.64	53048-1210
	13	18.00	15.00	WM17006-ND	1.43	1.27	.85	.68	53048-1310
	14	19.25	16.25	WM17007-ND	1.54	1.36	.91	.73	53048-1410
	15	20.50	17.50	WM17008-ND	1.64	1.45	.97	.78	53048-1510

SMT Straight Headers										
4	2	7.65	1.25	WM7606CT-ND	.71	.59	.45	.37	53398-0271	
	2	7.65	1.25	WM7606TR-ND	357.59/1,000					53398-0271
	3	8.90	2.50	WM7607CT-ND	.87	.72	.54	.45	53398-0371	
	3	8.90	2.50	WM7607TR-ND	433.13/1,000					53398-0371
	4	10.15	3.75	WM7608CT-ND	1.28	1.13	.75	.60	53398-0471	
	4	10.15	3.75	WM7608TR-ND	498.27/1,000					53398-0471
	5	11.40	5.00	WM7609CT-ND	1.06	.88	.66	.55	53398-0571	
	5	11.40	5.00	WM7609TR-ND	532.92/1,000					53398-0571
	6	12.65	6.25	WM7610CT-ND	1.52	1.35	.90	.72	53398-0671	
	6	12.65	6.25	WM7610TR-ND	595.98/1,000					53398-0671
	7	13.90	7.50	WM7611CT-ND	1.65	1.46	.98	.78	53398-0771	
	7	13.90	7.50	WM7611TR-ND	644.49/1,000					53398-0771
	8	15.15	8.75	WM7612CT-ND	1.75	1.55	1.03	.83	53398-0871	
	8	15.15	8.75	WM7612TR-ND	683.30/1,000					53398-0871
	9	16.40	10.00	WM7613CT-ND	1.89	1.68	1.12	.90	53398-0971	
9	16.40	10.00	WM7613TR-ND	740.12/1,000					53398-0971	
10	17.65	11.25	WM7614CT-ND	2.01	1.78	1.19	.95	53398-1071		
10	17.65	11.25	WM7614TR-ND	785.17/1,000					53398-1071	
11	18.90	12.50	WM7615CT-ND	2.13	1.89	1.26	1.01	53398-1171		
11	18.90	12.50	WM7615TR-ND	833.68/1,000					53398-1171	
12	20.15	13.75	WM7616CT-ND	2.26	2.00	1.33	1.07	53398-1271		
12	20.15	13.75	WM7616TR-ND	882.88/1,000					53398-1271	
14	22.65	16.25	WM7618CT-ND	2.52	2.22	1.48	1.19	53398-1471		
14	22.65	16.25	WM7618TR-ND	981.98/1,000					53398-1471	
15	23.90	17.50	WM7619CT-ND	2.58	2.28	1.52	1.22	53398-1571		
15	23.90	17.50	WM7619TR-ND	1005.54/1,000					53398-1571	

SMT Right Angle Headers										
5	2	7.65	1.25	WM7620CT-ND	.75	.63	.47	.39	53261-0271	
	2	7.65	1.25	WM7620TR-ND	376.99/1,000					53261-0271
	3	8.90	2.50	WM7621CT-ND	.91	.76	.57	.48	53261-0371	
	3	8.90	2.50	WM7621TR-ND	457.38/1,000					53261-0371
	4	10.15	3.75	WM7622CT-ND	1.00	.83	.62	.52	53261-0471	
	4	10.15	3.75	WM7622TR-ND	501.04/1,000					53261-0471
	5	11.40	5.00	WM7623CT-ND	1.10	.92	.69	.57	53261-0571	
	5	11.40	5.00	WM7623TR-ND	551.63/1,000					53261-0571
	6	12.65	6.25	WM7624CT-ND	1.06	.90	.70	.58	53261-0671	
	6	12.65	6.25	WM7624TR-ND	537.77/1,000					53261-0671
	7	13.90	7.50	WM7625CT-ND	1.14	.97	.75	.62	53261-0771	
	7	13.90	7.50	WM7625TR-ND	578.66/1,000					53261-0771
	8	15.15	8.75	WM7626CT-ND	1.21	1.03	.80	.66	53261-0871	
	8	15.15	8.75	WM7626TR-ND	614.69/1,000					53261-0871
	9	16.40	10.00	WM7627CT-ND	1.95	1.72	1.15	.92	53261-0971	
9	16.40	10.00	WM7627TR-ND	759.53/1,000					53261-0971	
10	17.65	11.25	WM7628CT-ND	1.39	1.18	.91	.75	53261-1071		
10	17.65	11.25	WM7628TR-ND	703.40/1,000					53261-1071	
11	18.90	12.50	WM7629CT-ND	2.18	1.93	1.29	1.03	53261-1171		
11	18.90	12.50	WM7629TR-ND	853.78/1,000					53261-1171	
12	20.15	13.75	WM7630CT-ND	2.31	2.04	1.36	1.09	53261-1271		
12	20.15	13.75	WM7630TR-ND	902.29/1,000					53261-1271	
14	22.65	16.25	WM7631CT-ND	2.56	2.27	1.51	1.21	53261-1471		
14	22.65	16.25	WM7631TR-ND	1002.08/1,000					53261-1471	
15	23.90	17.50	WM7632CT-ND	1.80	1.53	1.18	.97	53261-1571		
15	23.90	17.50	WM7632TR-ND	913.37/1,000					53261-1571	