

molex PicoBlade™ 1.25mm Connectors (Cont.)



Fig.	Cir-cuits	Dimensions (mm)		Digi-Key Part No.	1	10	100	500	Molex Part No.	
3	7	10.50	7.50	WM1747-ND	1.44	1.27	.85	.68	53048-0710	
	8	11.75	8.75	WM1748-ND	1.58	1.40	.93	.75	53048-0810	
	9	13.00	10.00	WM1749-ND	1.73	1.53	1.02	.82	53048-0910	
	10	14.25	11.25	WM1750-ND	1.87	1.66	1.11	.89	53048-1010	
	11	15.50	12.50	WM1751-ND	2.03	1.80	1.20	.96	53048-1110	
	12	16.75	13.75	WM1752-ND	2.18	1.93	1.29	1.03	53048-1210	
	13	18.00	15.00	WM17006-ND	2.32	2.06	1.37	1.10	53048-1310	
4	14	19.25	16.25	WM17007-ND	2.49	2.20	1.47	1.17	53048-1410	
	15	20.50	17.50	WM17008-ND	2.65	2.34	1.57	1.25	53048-1510	
	SMT Straight Headers									
	2	7.65	1.25	WM7606CT-ND†	1.09	.91	.68	.57	53398-0271	
	3	7.65	1.25	WM7606TR-ND‡	546.72/1,000				53398-0271	
	2	8.90	2.50	WM7607CT-ND†	1.32	1.10	.82	.69	53398-0371	
	3	8.90	2.50	WM7607TR-ND‡	661.81/1,000				53398-0371	
	4	10.15	3.75	WM7608CT-ND†	2.06	1.83	1.22	.98	53398-0471	
	4	10.15	3.75	WM7608TR-ND‡	806.83/1,000				53398-0471	
	5	11.40	5.00	WM7609CT-ND†	1.63	1.35	1.01	.84	53398-0571	
	5	11.40	5.00	WM7609TR-ND‡	814.24/1,000				53398-0571	
	6	12.65	6.25	WM7610CT-ND†	2.47	2.18	1.46	1.17	53398-0671	
	6	12.65	6.25	WM7610TR-ND‡	965.06/1,000				53398-0671	
	5	7	13.90	7.50	WM7611CT-ND†	2.67	2.36	1.58	1.26	53398-0771
		7	13.90	7.50	WM7611TR-ND‡	1043.61/1,000				53398-0771
8		15.15	8.75	WM7612CT-ND†	2.83	2.50	1.67	1.34	53398-0871	
8		15.15	8.75	WM7612TR-ND‡	1106.45/1,000				53398-0871	
9		16.40	10.00	WM7613CT-ND†	3.06	2.71	1.81	1.45	53398-0971	
9		16.40	10.00	WM7613TR-ND‡	1198.47/1,000				53398-0971	
10		17.65	11.25	WM7614CT-ND†	3.25	2.88	1.92	1.54	53398-1071	
10		17.65	11.25	WM7614TR-ND‡	1271.41/1,000				53398-1071	
11		18.90	12.50	WM7615CT-ND†	3.46	3.05	2.04	1.63	53398-1171	
11		18.90	12.50	WM7615TR-ND‡	1349.96/1,000				53398-1171	
12		20.15	13.75	WM7616CT-ND†	3.66	3.23	2.16	1.73	53398-1271	
12		20.15	13.75	WM7616TR-ND‡	1429.63/1,000				53398-1271	
14		22.65	16.25	WM7618CT-ND†	4.07	3.60	2.40	1.92	53398-1471	
14		22.65	16.25	WM7618TR-ND‡	1590.10/1,000				53398-1471	
15		23.90	17.50	WM7619CT-ND†	4.17	3.68	2.46	1.97	53398-1571	
15	23.90	17.50	WM7619TR-ND‡	1628.25/1,000				53398-1571		
SMT Right Angle Headers										
6	2	7.65	1.25	WM7620CT-ND†	1.14	.95	.72	.60	53261-0271	
	2	7.65	1.25	WM7620TR-ND‡	575.44/1,000				53261-0271	
	3	8.90	2.50	WM7621CT-ND†	1.39	1.16	.87	.73	53261-0371	
	3	8.90	2.50	WM7621TR-ND‡	699.11/1,000				53261-0371	
	4	10.15	3.75	WM7622CT-ND†	1.53	1.27	.95	.79	53261-0471	
	4	10.15	3.75	WM7622TR-ND‡	765.40/1,000				53261-0471	
	5	11.40	5.00	WM7623CT-ND†	1.68	1.39	1.05	.87	53261-0571	
	5	11.40	5.00	WM7623TR-ND‡	842.97/1,000				53261-0571	
	6	12.65	6.25	WM7624CT-ND†	1.62	1.38	1.06	.88	53261-0671	
	6	12.65	6.25	WM7624TR-ND‡	821.38/1,000				53261-0671	
	7	7	13.90	7.50	WM7625CT-ND†	1.74	1.48	1.14	.94	53261-0771
		7	13.90	7.50	WM7625TR-ND‡	884.26/1,000				53261-0771
		8	15.15	8.75	WM7626CT-ND†	1.85	1.57	1.22	1.00	53261-0871
		8	15.15	8.75	WM7626TR-ND‡	938.70/1,000				53261-0871
		9	16.40	10.00	WM7627CT-ND†	3.15	2.78	1.86	1.49	53261-0971
9		16.40	10.00	WM7627TR-ND‡	1229.89/1,000				53261-0971	
10		17.65	11.25	WM7628CT-ND†	2.12	1.80	1.39	1.15	53261-1071	
10		17.65	11.25	WM7628TR-ND‡	1073.91/1,000				53261-1071	
11		18.90	12.50	WM7629CT-ND†	3.53	3.13	2.09	1.67	53261-1171	
11		18.90	12.50	WM7629TR-ND‡	1382.50/1,000				53261-1171	
12		20.15	13.75	WM7630CT-ND†	3.74	3.31	2.21	1.77	53261-1271	
12		20.15	13.75	WM7630TR-ND‡	1461.05/1,000				53261-1271	
14		22.65	16.25	WM7631CT-ND†	4.15	3.67	2.45	1.96	53261-1471	
14		22.65	16.25	WM7631TR-ND‡	1622.64/1,000				53261-1471	
15		23.90	17.50	WM7632CT-ND†	2.75	2.33	1.80	1.49	53261-1571	
15	23.90	17.50	WM7632TR-ND‡	1394.95/1,000				53261-1571		
8	Crimp Term., 28 - 32AWG	WM1775-ND	—	.16	.07	.06	—	50058-8000		
	Crimp Term., 28 - 32AWG	WM1775TR-ND‡	548.85/25,000				50058-8000			
	Crimp Term., 26 - 28AWG	WM1142CT-ND†	—	.38	.11	.05	—	50079-8000		
	Crimp Term., 26 - 28AWG	WM1142TR-ND‡	511.99/25,000				50079-8000			
	Crimp Term., 26 - 28AWG	WM2023-ND	—	.43	.25	.20	—	50079-8100		
Tools (Molex)										
Production Crimp	WM9932-ND	—	—	564.15/1	—	—	—	63811-0000		
Hand Tool 26 - 32AWG Crimp	WM9984-ND NEW!	—	—	242.10/1	—	—	—	63819-0300		
Locator Assembly for 63819-0300	WM1193-ND NEW!	—	—	45.17/1	—	—	—	63819-0375		

† Cut Tape ‡ Tape and Reel

Kits

WM8453-ND	(76650-0125) PicoBlade Connector Kit; Friction Lock Plug and Receptacle	\$30.41
WM8454-ND	(76650-0126) PicoBlade Connector Kit; SMT Friction Lock Vertical Header and Receptacle	\$44.74
WM8455-ND	(76650-0127) PicoBlade Connector Kit; SMT Friction Lock Right Angle Header and Receptacle	\$49.71
WM8456-ND	(76650-0128) PicoBlade Deluxe Connector Kit; Friction Lock Plug, Receptacle and SMT Header	\$108.64
WM8457-ND	(76650-0129) PicoBlade Connector Kit; SMT Friction Lock Vertical and Right Angle Header and Receptacle	\$74.33

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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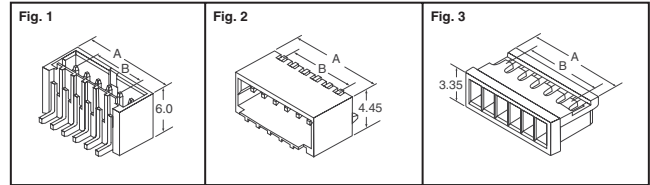
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(CA2011) 155

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



Cir-cuits	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	1.62	1.43	.95	WM18584TR-ND	1,000	663.20	87437-0543
Fig. 1 — Vertical Headers — RoHS Compliant										
2	4.30	1.50	WM7662CT-ND	1.09	.97	.65	WM7662TR-ND	1,000	449.99	87437-0243
3	5.80	3.00	WM7663CT-ND	.91	.76	.57	WM7663TR-ND	1,000	842.97	87437-0343
4	7.30	4.50	WM7664CT-ND	1.44	1.28	.85	WM7664TR-ND	1,000	593.45	87437-0443
6	10.30	7.50	WM7665CT-ND	1.78	1.58	1.06	WM7665TR-ND	1,000	736.81	87437-0643
7	11.80	9.00	WM7666CT-ND	1.39	1.15	.87	WM7666TR-ND	1,000	630.65	87437-0743
8	13.30	10.50	WM7667CT-ND	2.14	1.90	1.27	WM7667TR-ND	1,000	883.14	87437-0843
9	14.80	12.00	WM7668CT-ND	2.29	2.03	1.35	WM7668TR-ND	1,000	943.74	87437-0943
10	16.30	13.50	WM7669CT-ND	2.45	2.16	1.44	WM7669TR-ND	1,000	1006.58	87437-1043
12	19.30	16.50	WM7671CT-ND	1.77	1.47	1.10	WM7671TR-ND	1,000	886.60	87437-1243
14	22.30	19.50	WM7673CT-ND	3.04	2.69	1.80	WM7673TR-ND	1,000	1253.45	87437-1443
15	23.80	21.00	WM7674CT-ND	3.20	2.83	1.89	WM7674TR-ND	1,000	1317.42	87437-1543
Fig. 2 — Right Angle Headers — RoHS Compliant										
2	4.30	1.50	WM7646CT-ND	1.07	.94	.63	WM7646TR-ND	1,000	436.52	87438-0243
3	5.80	3.00	WM7647CT-ND	.97	.81	.60	WM7647TR-ND	3,000	364.71/M	87438-0343
4	7.30	4.50	WM7648CT-ND	.97	.80	.60	WM7648TR-ND	3,000	402.23/M	87438-0443
5	8.80	6.00	WM7649CT-ND	1.53	1.35	.91	WM7649TR-ND	1,000	630.65	87438-0543
6	10.30	7.50	WM7650CT-ND	1.76	1.56	1.04	WM7650TR-ND	1,000	723.79	87438-0643
7	11.80	9.00	WM7651CT-ND	2.08	1.83	1.22	WM7651TR-ND	1,000	853.96	87438-0743
8	13.30	10.50	WM7652CT-ND	2.22	1.97	1.31	WM7652TR-ND	1,000	916.80	87438-0843
9	14.80	12.00	WM7653CT-ND	2.28	2.01	1.34	WM7653TR-ND	1,000	937.00	87438-0943
10	16.30	13.50	WM7654CT-ND	1.75	1.45	1.09	WM7654TR-ND	2,000	795.34/M	87438-1043
11	17.80	15.00	WM7655CT-ND	2.66	2.35	1.57	WM7655TR-ND	1,000	1096.35	87438-1143
12	19.30	16.50	WM7656CT-ND	2.86	2.53	1.69	WM7656TR-ND	1,000	1177.15	87438-1243
14	22.30	19.50	WM7658CT-ND	3.24	2.87	1.91	WM7658TR-ND	1,000	1336.49	87438-1443
Fig. 3 — Housing — RoHS Compliant										
2	4.10	1.50	WM2086-ND§	.26	.23	.16	—	—	—	87439-0200
3	5.60	3.00	WM2087-ND§	.29	.26	.18	—	—	—	87439-0300
4	7.10	4.50	WM2088-ND§	.43	.27	.14	—	—	—	87439-0400
5	8.60	6.00	WM2089-ND§	.35	.31	.21	—	—	—	87439-0500
6	10.10	7.50	WM							