

molex 0.5mm FFC/FPC Connectors (Cont.) **Digi-Reel** 

Fig. Pos.	No. of	Dimensions (mm)			Digi-Key Part No.	Cut Tape Price Each			Tape and Reel†		Molex Part No.
		A	B	C		1	10	100	Qty.	Pricing	
Top Contact Style											
2	6	9.10	5.7	4.3	WM7708CT-ND	1.06	.91	.71	1,000	413.30	52745-0696
	10	11.10	5.7	4.3	WM7709CT-ND	1.53	1.32	1.03	1,000	596.80	52745-1096
	20	16.10	5.7	4.3	WM7710CT-ND	2.26	1.94	1.51	1,000	879.27	52745-2096
	24	18.60	5.9	4.5	WM7711CT-ND	3.23	2.77	2.16	1,000	1255.96	52435-2472
	30	21.60	5.9	4.5	WM7712CT-ND	3.64	3.12	2.43	1,000	1415.24	52435-3072
	40	25.50	6.55	5.0	WM7713CT-ND	4.00	3.43	2.67	1,500	1557.00M	54104-4096
50	30.50	6.55	5.0	WM7714CT-ND	4.37	3.74	2.92	1,500	1699.00M	54104-5096	
Vertical Contact Style											
3	6	8.70			WM7715CT-ND	1.60	1.38	1.07	1,000	624.02	52559-0672
	10	10.70			WM7716CT-ND	1.98	1.70	1.33	1,000	771.68	52559-1072
	12	11.70	5.30	3.90	WM7952CT-ND	1.85	1.59	1.24	1,000	720.00	52559-1272
	20	15.70			WM7717CT-ND	3.31	2.84	2.21	1,000	1288.11	52559-2072
	24	17.70			WM7718CT-ND	3.97	3.40	2.65	1,000	1545.34	52559-2472
	30	20.70			WM7719CT-ND	4.82	4.13	3.22	1,000	1874.53	52559-3072
4	36	23.70	5.30	3.90	WM7720CT-ND	5.30	4.54	3.54	1,000	2061.78	52559-3672
	40	25.70			WM7721CT-ND	5.42	4.64	3.62	1,000	2107.28	52559-4072

† For Tape and Reel Part Number, change CT-ND to TR-ND.

Fig. Pos.	No. of	Dimensions (mm)			Digi-Key Part No.	Price Each			Molex Part No.	
		A	B	C		1	10	100		
Vertical, SMT, ZIF										
4	10	7.8			WM1649-ND	1.85	1.43	1.14	51374-1073-P	
	13	9.3			WM1650-ND	2.39	1.84	1.48	51374-1373-P	
	15	10.3			WM1651-ND	2.46	1.90	1.52	51374-1573-P	
	20	12.8			WM1652-ND	2.21	1.71	1.37	51374-2073-P	
	26	15.8			WM1653-ND	2.49	1.92	1.54	51374-2673-P	
	30	17.8			WM1654-ND	2.86	2.20	1.76	51374-3073-P	
5	33	19.3			WM1655-ND	2.74	2.11	1.69	51374-3373-P	
	40	22.8			WM1656-ND	3.61	2.78	2.23	51374-4073-P	
	45	25.3			WM1657-ND	3.18	2.45	1.96	51374-4573-P	
	50	27.8			WM1658-ND	4.09	3.15	2.52	51374-5073-P	
	60	32.8			WM1659-ND	4.25	3.27	2.62	51374-6073-P	
	Right Angle, SMT, ZIF — Bottom Contact Style									
5	8	8.6			WM1523-ND	.99	.76	.61	52892-0895-C	
	10	9.6			WM1524-ND	.99	.76	.61	52892-1095-C	
	12	10.6			WM1525-ND	1.00	.77	.62	52892-1295-C	
	14	11.6			WM1526-ND	1.16	.90	.72	52892-1495-C	
	16	12.6			WM1527-ND	1.33	1.03	.83	52892-1695-C	
	18	13.6			WM1528-ND	1.50	1.16	.93	52892-1895-C	
6	20	14.6			WM1529-ND	1.76	1.35	1.09	52892-2095-C	
	24	16.6			WM1530-ND	1.90	1.47	1.18	52892-2495-C	
	26	17.6			WM1531-ND	2.03	1.57	1.26	52892-2695-C	
	28	18.6			WM1532-ND	2.16	1.67	1.33	52892-2895-C	
	6	8.2	3.4	4.55	WM1544-ND	1.35	1.04	.84	54548-0670-C	
	8	9.2			WM1545-ND	1.59	1.23	.98	54548-0870-C	
7	10	10.2			WM1546-ND	1.90	1.46	1.17	54548-1070-C	
	12	11.2			WM1547-ND	2.12	1.63	1.31	54548-1270-C	
	16	13.2			WM1548-ND	2.57	1.98	1.59	54548-1670-C	
	18	14.2			WM1549-ND	2.73	2.10	1.68	54548-1870-C	
	20	15.2	3.4	4.55	WM1550-ND	2.94	2.27	1.81	54548-2070-C	
	24	17.2			WM1551-ND	3.47	2.67	2.14	54548-2470-C	
8	26	18.2			WM1552-ND	2.89	2.23	1.78	54548-2670-C	
	6	5.3			WM1553-ND	2.04	1.57	1.26	51441-0693-C	
	8	6.3			WM1554-ND	2.39	1.84	1.48	51441-0893-C	
	10	7.3			WM1555-ND	2.50	1.93	1.54	51441-1093-C	
	12	8.3			WM1556-ND	2.71	2.09	1.67	51441-1293-C	
	16	10.3			WM1557-ND	3.17	2.44	1.95	51441-1693-C	
9	18	11.3			WM1558-ND	3.21	2.47	1.98	51441-1893-C	
	20	12.3			WM1559-ND	3.08	2.37	1.90	51441-2093-C	
	22	13.3			WM1560-ND	3.09	2.38	1.91	51441-2293-C	
	24	14.3			WM1561-ND	3.39	2.61	2.09	51441-2493-C	
	Right Angle, SMT, ZIF — Top Contact Style									
	8	6	8.2	3.4	4.55	WM1534-ND	1.36	1.05	.84	54550-0694-C
8		9.2			WM1535-ND	1.59	1.23	.98	54550-0894-C	
10		10.2			WM1536-ND	1.90	1.47	1.17	54550-1094-C	
12		11.2			WM1537-ND	2.08	1.60	1.28	54550-1294-C	
14		12.2			WM1538-ND	2.40	1.85	1.48	54550-1494-C	
16		13.2			WM1539-ND	2.57	1.98	1.59	54550-1694-C	
9	18	14.2			WM1540-ND	2.73	2.10	1.69	54550-1894-C	
	20	15.2	3.4	4.55	WM1541-ND	2.94	2.27	1.82	54550-2094-C	
	24	17.2			WM1542-ND	3.47	2.67	2.14	54550-2494-C	
	26	18.2			WM1543-ND	3.76	2.89	2.32	54550-2694-C	

1mm FFC/FPC Connectors



Features:

For 0.30mm thick FFC/FPC. Metal solder tabs provide PCB hold-down and strain relief for SMT tails.
 • **Material:** 4/6 nylon, UL94V-0 • **Actuator:** PPS, UL94V-0 • **Contact:** Phosphor Bronze • **Plating:** Tin Solder • **Tabs:** Phosphor Bronze, Tin Plating • **Temperature:** -20°C ~ 85°C • **Electrical:** Voltage: 125V • Current: 1.0A • **Contact Resistance:** 20mΩ maximum • **Dielectric Withstanding Voltage:** 500V AC/1 minute

Vertical: For use with 0.30mm thick FFC/FPC. Tuning fork contacts assure stable, low contact resistance. Optional cable retention barbs provide cable strain relief and assure full retention of cable. Optional polarizing peg assures proper orientation to PCB and kinked outer solder tails offer PCB retention. SMT compatible. • **Material:** Housing 4/6 nylon, UL94V-0 • **Actuator:** LCP, UL94V-0 • **Contact:** Phosphor Bronze Alloy • **Plating:** Tin/Lead, 90/10 • **Temperature:** -20°C ~ 80°C • **Electrical:** Voltage: 125V • Current: 1.0A • **Contact Resistance:** 20mΩ maximum • **Dielectric Withstanding Voltage:** 500VAC per minute • **Insulation Resistance:** 100MΩ minimum

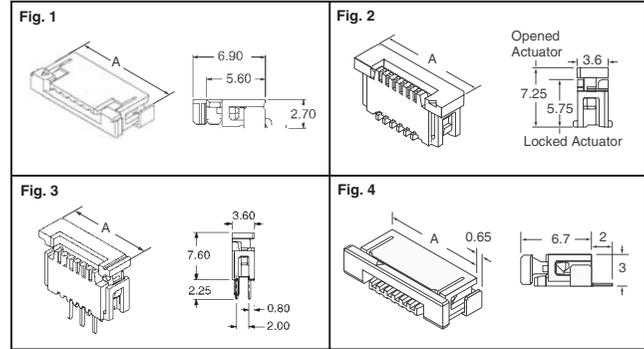


Fig. Pos.	No. of	Dimension A Inch (mm)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	T&R Pricing 1,000	Molex Part No.	
				1	10	100				
Right Angle, SMT, ZIF — Top Contact Style — RoHS Compliant										
4	4	4.05 (10.30)	WM7675CT-ND	1.31	1.13	.88	WM7675TR-ND	510.49	52207-0485	
	6	4.84 (12.30)	WM7676CT-ND	1.11	.95	.74	WM7676TR-ND	431.34	52207-0685	
	8	5.62 (14.30)	WM7677CT-ND	1.45	1.25	.97	WM7677TR-ND	564.43	52207-0885	
	10	6.41 (16.30)	WM7678CT-ND	1.78	1.53	1.19	WM7678TR-ND	692.00	52207-1085	
	12	7.20 (18.30)	WM7679CT-ND	2.09	1.79	1.40	WM7679TR-ND	811.00	52207-1285	
	1	14	7.99 (20.30)	WM7680CT-ND	2.37	2.03	1.59	WM7680TR-ND	921.81	52207-1485
16		8.77 (22.30)	WM7681CT-ND	2.63	2.26	1.76	WM7681TR-ND	1024.00	52207-1685	
18		9.56 (24.30)	WM7682CT-ND	2.89	2.48	1.93	WM7682TR-ND	1123.15	52207-1885	
20		1.035 (26.30)	WM7683CT-ND	3.12	2.67	2.09	WM7683TR-ND	1213.68	52207-2085	
22		1.114 (28.30)	WM7684CT-ND	3.34	2.86	2.23	WM7684TR-ND	1299.01	52207-2285	
2		24	1.192 (30.30)	WM7685CT-ND	3.53	3.02	2.36	WM7685TR-ND	1372.70	55207-2485
	26	1.271 (32.30)	WM7686CT-ND	3.71	3.18	2.48	WM7686TR-ND	1443.44	52207-2685	
	28	1.350 (34.30)	WM7687CT-ND	3.90	3.34	2.61	WM7687TR-ND	1517.00	52207-2885	
	30	1.430 (36.30)	WM7688CT-ND	4.09	3.50	2.73	WM7688TR-ND	1590.86	52207-3085	
	Vertical, SMT, ZIF — RoHS Compliant									
	6	6	4.96 (12.60)	WM7633CT-ND	2.13	1.82	1.42	WM7633TR-ND	827.00	52610-0671
8		5.75 (14.60)	WM7634CT-ND	2.54	2.18	1.70	WM7634TR-ND	989.00	52610-0871	
10		6.54 (16.60)	WM7635CT-ND	2.92	2.51	1.95	WM7635TR-ND	1137.00	52610-1071	
12		7.32 (18.60)	WM7636CT-ND	3.35	2.87	2.24	WM7636TR-ND	1302.00	52610-1271	
14		8.11 (20.60)	WM7637CT-ND	3.72	3.19	2.49	WM7637TR-ND	1448.00	52610-1471	
2		16	8.90 (22.60)	WM7638CT-ND	4.04	3.46	2.70	WM7638TR-ND	1572.00	52610-1671
	18	9.69 (24.60)	WM7639CT-ND	4.32	3.70	2.88	WM7639TR-ND	1680.00	52610-1871	
	20	1.047 (26.60)	WM7640CT-ND	4.56	3.91	3.05	WM7640TR-ND	1774.00	52610-2071	
	22	1.126 (28.60)	WM7641CT-ND	4.91	4.20	3.28	WM7641TR-ND	1909.00	52610-2271	
	24	1.205 (30.60)	WM7642CT-ND	5.23	4.48	3.49	WM7642TR-ND	2034.00	52610-2471	
	2	26	1.283 (32.60)	WM7643CT-ND	5.74	3.21	2.50	WM7643TR-ND	1455.00	52610-2671
28		1.362 (34.60)	WM7644CT-ND	5.70	4.88	3.81	WM7644TR-ND	2217.00	52610-2871	
30		1.441 (36.60)	WM7645CT-ND	5.83	5.00	3.89	WM7645TR-ND	2269.00	52610-3071	
Vertical, ZIF — No Pegs										
4		4	3.66 (9.30)	WM5300-ND	1.88	1.53	1.18	—	—	71226-0425
		6	4.45 (11.30)	WM5301-ND	2.25	1.83	1.41	—	—	71226-0625
	8	5.24 (13.30)	WM5302-ND	2.62	2.13	1.64	—	—	71226-0825	
	10	6.02 (15.30)	WM5303-ND	2.99	2.43	1.87	—	—	71226-1025	
	12	6.81 (17.30)	WM5304-ND	3.38	2.75	2.12	—	—	71226-1225	
	3	14	7.60 (19.30)	WM5305-ND						