

# molex® 0.5mm FFC/FPC Connectors (Cont.)



Fig.	No. of	Dimensions (mm)			Digi-Key Part No.	Cut Tape Price Each			Tape and Reel†		Molex Part No.
	Pos.	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	1557.00/M	54104-4096
	50	30.50	6.55	5.0	WM7714CT-ND	4.37	3.74	2.92	1,500	1699.00/M	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
	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.	No. of Pos.	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
	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
	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	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
	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	3.4	4.55	WM1549-ND	2.73	2.10	1.68	54548-1870-C
	20	15.2			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
	26	18.2			WM1552-ND	2.89	2.23	1.78	54548-2670-C
	7	6			5.3	—	—	WM1553-ND	2.04
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
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	3.4	4.55	WM1539-ND	2.57	1.98	1.59	54550-1694-C
	18	14.2			WM1540-ND	2.73	2.10	1.69	54550-1894-C
	20	15.2			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:

**Right Angle:** 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 • **Tab:** 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

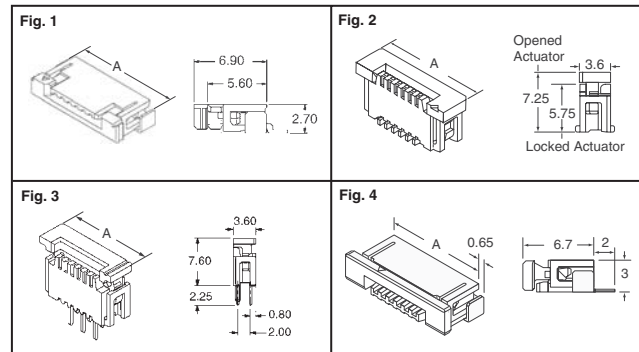


Fig.	No. of Pos.	Dimension A Inch (mm)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	T&R Pricing 1,000	Molex Part No.	
				1	10	100				
Right Angle, SMT, ZIF — Top Contact Style — RoHS Compliant										
1	4	.405 (10.30)	WM7675CT-ND	1.31	1.13	.88	WM7675TR-ND	510.49	52207-048	
	6	.484 (12.30)	WM7676CT-ND	1.11	.95	.74	WM7676TR-ND	431.34	52207-068	
	8	.562 (14.30)	WM7677CT-ND	1.45	1.25	.97	WM7677TR-ND	564.43	52207-088	
	10	.641 (16.30)	WM7678CT-ND	1.78	1.53	1.19	WM7678TR-ND	692.00	52207-108	
	12	.720 (18.30)	WM7679CT-ND	2.09	1.79	1.40	WM7679TR-ND	811.00	52207-128	
	14	.799 (20.30)	WM7680CT-ND	2.37	2.03	1.59	WM7680TR-ND	921.81	52207-148	
	16	.877 (22.30)	WM7681CT-ND	2.63	2.26	1.76	WM7681TR-ND	1024.00	52207-168	
	18	.956 (24.30)	WM7682CT-ND	2.89	2.48	1.93	WM7682TR-ND	1123.15	52207-188	
	20	1.035 (26.30)	WM7683CT-ND	3.12	2.67	2.09	WM7683TR-ND	1213.68	52207-208	
	22	1.114 (28.30)	WM7684CT-ND	3.34	2.86	2.23	WM7684TR-ND	1299.01	52207-228	
	24	1.192 (30.30)	WM7685CT-ND	3.53	3.02	2.36	WM7685TR-ND	1372.70	55207-248	
	26	1.271 (32.30)	WM7686CT-ND	3.71	3.18	2.48	WM7686TR-ND	1443.44	52207-268	
	28	1.350 (34.30)	WM7687CT-ND	3.90	3.34	2.61	WM7687TR-ND	1517.00	52207-288	
	30	1.430 (36.30)	WM7688CT-ND	4.09	3.50	2.73	WM7688TR-ND	1590.86	52207-308	
	Vertical, SMT, ZIF — RoHS Compliant									
	2	6	.496 (12.60)	WM7633CT-ND	2.13	1.82	1.42	WM7633TR-ND	827.00	52610-067
		8	.575 (14.60)	WM7634CT-ND	2.54	2.18	1.70	WM7634TR-ND	989.00	52610-087
		10	.654 (16.60)	WM7635CT-ND	2.92	2.51	1.95	WM7635TR-ND	1137.00	52610-107
12		.732 (18.60)	WM7636CT-ND	3.35	2.87	2.24	WM7636TR-ND	1302.00	52610-127	
14		.811 (20.60)	WM7637CT-ND	3.72	3.19	2.49	WM7637TR-ND	1448.00	52610-147	
16		.890 (22.60)	WM7638CT-ND	4.04	3.46	2.70	WM7638TR-ND	1572.00	52610-167	
18		.969 (24.60)	WM7639CT-ND	4.32	3.70	2.88	WM7639TR-ND	1680.00	52610-187	
20		1.047 (26.60)	WM7640CT-ND	4.56	3.91	3.05	WM7640TR-ND	1774.00	52610-207	
22		1.126 (28.60)	WM7641CT-ND	4.91	4.20	3.28	WM7641TR-ND	1909.00	52610-227	
24		1.205 (30.60)	WM7642CT-ND	5.23	4.48	3.49	WM7642TR-ND	2034.00	52610-247	
26		1.283 (32.60)	WM7643CT-ND	5.74	5.01	3.89	WM7643TR-ND	2269.00	52610-267	
28		1.362 (34.60)	WM7644CT-ND	5.70	4.88	3.81	WM7644TR-ND	2217.00	52610-287	
30		1.441 (36.60)	WM7645CT-ND	5.83	5.00	3.89	WM7645TR-ND	2269.00	52610-307	
Vertical, ZIF — No Pegs										
3		4	.366 (9.30)	WM5300-ND◆	1.88	1.53	1.18	—	—	71226-042
		6	.445 (11.30)	WM5301-ND◆	2.25	1.83	1.41	—	—	71226-062
		8	.524 (13.30)	WM5302-ND◆	2.62	2.13	1.64	—	—	71226-082
		10	.602 (15.30)	WM5303-ND◆	2.99	2.43	1.87	—	—	71226-102
	12	.681 (17.30)	WM5304-ND◆	3.38	2.75	2.12	—	—	71226-122	
	14	.760 (19.30)	WM5305-ND◆	3.74	3.05	2.34	—	—	71226-142	
	16	.839 (21.30)	WM5306-ND◆	4.11	3.35	2.58	—	—	71226-162	
	18	.917 (23.30)	WM5307-ND◆	4.49	3.65	2.81	—	—	71226-182	
	20	.996 (25.30)	WM5308-ND◆	4.86	3.96	3.04	—	—	71226-202	
	22	1.075 (27.30)	WM5309-ND◆	5.23	4.26	3.28	—	—	71226-222	
	24	1.154 (29.30)	WM5310-ND◆	5.60	4.56	3.51	—	—	71226-242	
	26	1.232 (31.30)	WM5311-ND◆	5.98	4.86	3.74	—	—	71226-262	
	28	1.311 (33.30)	WM5312-ND◆	6.36	5.17	3.98	—	—	71226-282	
	30	1.390 (35.30)	WM5313-ND◆	6.74	5.48	4.22	—	—	71226-302	
	Right Angle, SMT, ZIF — RoHS Compliant									
	4	4	.354 (9.00)	WM7937CT-ND	1.65	1.42	1.11	WM7937TR-ND	643.00	52271-046
		7	.472 (12.00)	WM7938CT-ND	.73	.62	.49	WM7938TR-ND	282.00	52271-076
		8	.512 (13.00)	WM7939CT-ND	.97	.84	.65	WM7939TR-ND	378.00	52271-086
10		.591 (15.00)	WM7940CT-ND	1.24	1.07	.83	WM7940TR-ND	482.00	52271-106	
12		.669 (17.00)	WM7941CT-ND	1.05	.90	.70	WM7941TR-ND	408.00	52271-126	
14		.748 (19.00)	WM7942CT-ND	1.10	.95	.74	WM7942TR-ND	428.00	52271-146	
15		.787 (20.00)	WM7943CT-ND	1.29	1.11	.87	WM7943TR-ND	502.00	52271-156	
16		.827 (21.00)	WM7944CT-ND	1.13	.97	.76	WM7944TR-ND	470.00	52271-166	
18		.906 (23.00)	WM7945CT-ND	1.21	1.04	.81	WM7945TR-ND	470.00	52271-186	
20		.984 (25.00)	WM7946CT-ND	1.40	1.20	.94	WM7946TR-ND	545.00	52271-206	
22		.063 (27.00)	WM7947CT-ND	1.45	1.25	.97	WM7947TR-ND	564.00	52271-226	
28		1.299 (33.00)	WM7950CT-ND	1.64	1.41	1.10	WM7950TR-ND	638.00	52271-286	
30		1.378 (35.00)	WM7951CT-ND	1.89	1.62	1.27	WM7951TR-ND	736.00	52271-306	