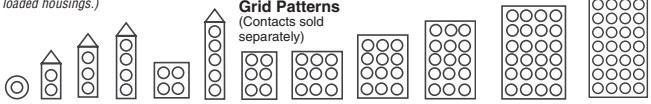
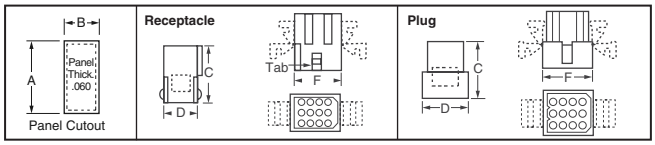
molex® Power Connectors

.062" Diameter Connectors

Features: • UL File Number E-29179; CSA File Number LR-19980 • Up to 5 amperes per circuit • 250 Voltage rating • Friction lock • Standard color is natural (*Ratings are per circuit and based on fully loaded housings.*)

Grid Patterns
(Contacts sold separately)



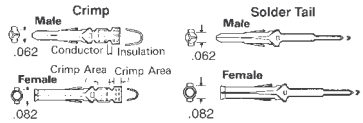


Grid Space	Grid No.	Type	Maximum Amps	Maximum V.	Dimensions (Inch) A	B	C	D	F	Digi-Key Part No.	Pricing 1	10	100	Molex Part No.
.145"	5	Plug	5	250	1.044	.318	.750	.310	.890	WM1240-ND	.56	4.59	32.80	03-06-2054
		Recept.	5	250	.940	.265	.780	.192	.775	WM1241-ND	.56	4.59	32.80	03-06-1055
	6	Plug	5	250	.615	.607	.750	.600	.450	WM1211-ND	.57	4.72	33.70	03-06-2062
		Recept.	5	250	.552	.505	.780	.494	.344	WM1210-ND	.57	4.72	33.70	03-06-1061
	9	Plug	5	250	.752	.615	.750	.590	.590	WM1213-ND	.59	4.84	34.60	03-06-2091
		Recept.	5	250	.650	.552	.780	.494	.489	WM1212-ND	.62	5.10	36.45	03-06-1091
	12	Plug	5	250	.903	.614	.750	.590	.740	WM1215-ND	.60	4.97	35.51	03-06-2121
		Recept.	5	250	.795	.563	.780	.494	.634	WM1214-ND	.60	4.97	35.51	03-06-1121
	15	Plug	5	250	1.042	.614	.750	.590	.880	WM1217-ND	.76	6.23	44.52	03-06-2151
		Recept.	5	250	.930	.569	.780	.530	.770	WM1589-ND	.75	6.60	44.03	03-06-6155
	24	Plug	5	250	1.182	.765	.750	.740	1.040	WM1219-ND	2.10	17.31	123.63	03-06-2241
		Recept.	5	250	1.079	.715	.750	.634	.918	WM1218-ND	2.03	16.68	119.13	03-06-1241
.165"	36	Plug	4	—	1.795	.825	.750	1.02	1.622	WM1588-ND	2.48	21.88	145.85	03-06-2361
		Recept.	4	—	1.677	.707	.781	.855	1.505	WM1587-ND	2.41	21.27	141.80	03-06-1361

A

.062" Terminals

Features: • Use with .062" housings • .008" stock 70/30 brass **Temp. Range:** -40°C ~ 105°C **High Volt. Test:** Withstands 1500V RMS for 60 seconds **Current Rating:** Amperage rating 5A **Storage Temperature Range:** -40°C ~ 125°C **Plating:** 200-300µ Hot-Tin Dip tin plating



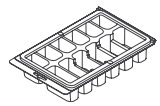
Grid Space	Grid No.	Type	Maximum Amps	Maximum V.	Dimensions (Inch) A	B	C	D	F	Digi-Key Part No.	Pricing 1	10	100	Molex Part No.
Connector Housings — with Detent Only, Free Hanging														
.145"	1	Plug	5	250	—	—	.750	—	—	WM1201-ND	.19	1.53	10.93	03-06-2011
		Recept.	5	250	—	—	.780	—	.183	WM1200-ND	.19	1.53	10.93	03-06-1011
	2	Plug	5	250	.609	.318	.780	.300	.440	WM1220-ND	.29	2.38	17.03	03-06-2023
		Recept.	5	250	.505	.265	.810	.192	.340	WM1230-ND	.29	2.38	17.03	03-06-1023
	3	Plug	5	250	.754	.318	.750	.300	.590	WM1221-ND	.36	2.99	21.36	03-06-2032
		Recept.	5	250	.650	.265	.780	.192	.484	WM1231-ND	.36	2.99	21.36	03-06-1032
	4	Plug	5	250	.865	.312	.750	.295	.730	WM1222-ND	.51	4.21	30.10	03-06-2042
		Recept.	5	250	.785	.260	.780	.192	.630	WM1232-ND	.51	4.21	30.10	03-06-1042
	4a	Plug	5	250	.615	.465	.750	.442	.442	WM1223-ND	.51	4.21	30.10	03-06-2044
		Recept.	5	250	.506	.400	.750	.339	.339	WM1233-ND	.51	4.21	30.10	03-06-1044
	5	Plug	5	250	1.044	.318	.750	.310	.890	WM1224-ND	.56	4.59	32.80	03-06-2055
		Recept.	5	250	.940	.265	.780	.192	.775	WM1234-ND	.56	4.59	32.80	03-06-1056
	6	Plug	5	250	.615	.607	.750	.600	.450	WM1225-ND	.57	4.72	33.70	03-06-2061
		Recept.	5	250	.552	.505	.780	.494	.344	WM1235-ND	.57	4.72	33.70	03-06-1062
	9	Plug	5	250	.752	.615	.750	.590	.590	WM1226-ND	.59	4.84	34.60	03-06-2092
		Recept.	5	250	.650	.552	.780	.494	.489	WM1236-ND	.59	4.84	34.60	03-06-1092
	12	Plug	5	250	.903	.614	.750	.590	.740	WM1227-ND	.60	4.97	35.51	03-06-2122
		Recept.	5	250	.795	.563	.780	.494	.634	WM1237-ND	.60	4.97	35.51	03-06-1122
	15	Plug	5	250	1.042	.614	.750	.590	.880	WM1228-ND	.76	6.23	44.52	03-06-2152
		Recept.	5	250	.934	.563	.780	.487	.776	WM1238-ND	.76	6.23	44.52	03-06-1152
	24	Plug	5	250	1.182	.765	.750	.740	1.040	WM1229-ND	2.10	17.31	123.63	03-06-2242
Connector Housings – with Mounting Ears and Detent, Panel Mount														
.145"	2	Plug	5	250	.609	.318	.780	.300	.440	WM1203-ND	.29	2.38	17.03	03-06-2024
		Recept.	5	250	.505	.265	.810	.192	.340	WM1202-ND	.29	2.38	17.03	03-06-1022
	3	Plug	5	250	.754	.318	.750	.300	.590	WM1205-ND	.36	2.99	21.36	03-06-2033
		Recept.	5	250	.650	.265	.780	.192	.484	WM1204-ND	.36	2.99	21.36	03-06-1038
	4	Plug	5	250	.865	.312	.750	.295	.730	WM1207-ND	.53	4.38	31.30	03-06-2041
		Recept.	5	250	.785	.260	.780	.192	.630	WM1206-ND	.51	4.21	30.10	03-06-1041
	4a	Plug	5	250	.615	.465	.750	.442	.442	WM1209-ND	.51	4.21	30.10	03-06-2043
		Recept.	5	250	.506	.400	.750	.339	.339	WM1208-ND	.51	4.21	30.10	03-06-1043

Description	Wire Size	Insulation Dia. (Inch)	Digi-Key Part No.	Pricing 10	100	500	Mfg. Part No.
Male, Crimp Type	18~24	.060/.120	WM1000-ND	1.08	8.62	35.91	02-06-2103
Female, Crimp Type	18~24	.060/.120	WM1001-ND	.95	7.59	31.63	02-06-1103
Male, Crimp Type	24~30	.040/.090	WM1002-ND	1.00	7.98	33.25	02-06-2132
Female, Crimp Type	24~30	.040/.090	WM1003-ND	.95	7.56	31.50	02-06-1132
Female, Crimp Type	24~30	.040/.090	WM1003TR-ND∆	600.00/20,000			02-06-1131
Male, PCB Solder-Tail	—	—	WM1004-ND	1.37	10.92	45.50	02-06-8103
Female, PCB Solder-Tail	—	—	WM1005-ND	1.37	10.92	45.50	02-06-7103
Male, Crimp Type	18~24	.060/.120	WM1006-ND†	6.03	48.24	201.00	02-06-6103
Male, Crimp Type	24~30	.040/.090	WM1007-ND†	6.03	48.24	201.00	02-06-6135
Female, Crimp Type	18~24	.060/.120	WM1008-ND†	6.03	48.24	201.00	02-06-5103
Female, Crimp Type	18~24	.060/.120	WM1008TR-ND†∆	1590.00/6,000			02-06-5100
Female, Crimp Type	24~30	.040/.090	WM1009-ND†	6.03	48.24	201.00	02-06-5135
Male, PCB	—	—	WM1010-ND†	6.69	53.55	223.13	02-06-6122
Female, PCB	—	—	WM1011-ND†	6.69	53.55	223.13	02-06-7104
Hand Crimp Tool (Waldom)	18~30	—	WM9900-ND	15.31/1			W-HT-1921
Hand Extraction Tool (Waldom)	18~30	—	WM1586-ND	20.95/1			W-HT-2023
Universal Crimp Tool	—	—	WM9999-ND	50.75/1			63811-1000
Hand Crimp Tool	24~30	—	WM9021-ND	321.98/1			63819-0800
Production Tool	18~24	—	WM18585-ND	243.27/1			63811-3300
Crimp Tool	18~24	—	WM9025-ND	243.27/1			63819-1300
Extraction Tool	—	—	WM9929-ND	16.92/1			11-03-0002

† 15µ" Select Gold Finish ∆ Tape and Reel

Cable Connector Designer Kit

Contains all parts needed to assemble male and female connectors; totals 86 connectors. All have pin terminal size .062" diameter with crimping tool, pin terminal ejector and case.
WM9979-ND **53.88**



MLX™ .084" Power Connectors

Features: • Intermateable, intermountable and interchangeable with industry standard versions • Cross tested to assure industry compatibility • UL recognized, CSA certified • Positive locks • Fully isolated contacts • Circuit I.D. grooves to reduce assembly errors • Anti-stress positioning tabs to reduce breakage

Grid Pattern

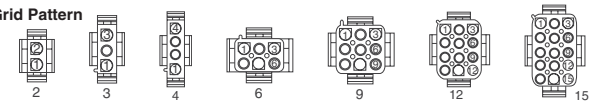


Fig. 1 - Plug

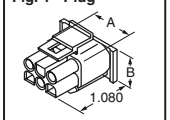


Fig. 2 - Cap

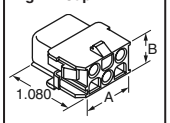
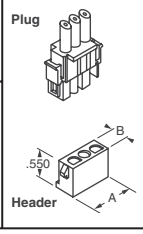
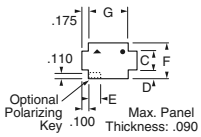


Fig. 3 - Vertical Header



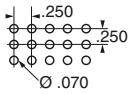
Cap Panel Cutout



▲ - Circuit #1 location when using polarizing key option with 2, 3 and 4 circuit housing.
● - Circuit #1 location when using polarizing key option with 6, 9, 12 and 15 circuit housing.

2, 3 and 4 Position Vertical Header P.C. Board Layout Dimension

6, 9, 12 and 15 Position Header Assemblies

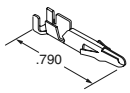


Pos.	Descrip-tion	Amperes/ Circuit (Max.)*	Voltage Rating (Max.)*	Panel Cutout Dimension (Inch) A	B	C‡	D	E	F	G	Digi-Key Part No.	Pricing 1	10	100	500	Molex Part No.
Fig. 1 – Plug																
2	Plug	13.5	600	.300	.550	—	—	—	—	—	WM1242-ND	.24	2.07	13.83	55.30	50-84-1020
3	Plug	13.5	600	.300	.800	—	—	—	—	—	WM1244-ND	.28	2.49	16.58	66.30	50-84-1030
4	Plug	13.5	600	.300	1.050	—	—	—	—	—	WM1246-ND	.32	2.84	18.90	75.60	50-84-1040
6	Plug	11.0	600	.800	.550	—	—	—	—	—	WM1248-ND	.37	3.23	21.55	86.20	50-84-1060
9	Plug	11.0	600	.800	.800	—	—	—	—	—	WM1250-ND	.44	3.88	25.88	103.50	50-84-1090
12	Plug	11.0	600	.800	1.050	—	—	—	—	—	WM1252-ND	.66	5.85	39.00	156.00	50-84-1120
15	Plug	11.0	600	.800	1.300	—	—	—	—	—	WM1254-ND	.74	6.52	43.45	173.80	50-84-1150
Fig. 2 – Cap																
2	Cap	13.5	600	.300	.550	.340	.095	.250	.530	.565	WM1243-ND	.29	2.59	17.25	69.00	50-84-2020
3	Cap	13.5	600	.300	.800	.340	.095	.250	.530	.815	WM1245-ND	.34	2.98	19.85	79.40	50-84-2030
4	Cap	13.5	600	.300	1.050	.340	.095	.250	.530	1.065	WM1247-ND	.35	3.09	20.58	82.30	50-84-2040
6	Cap	11.0	600	.800	.550	.340	.275	.250	1.030	.565	WM1249-ND	.40	3.55	23.68	94.70	50-84-2060
9	Cap	11.0	600	.800	.800	.480	.275	.250	1.030	.815	WM1251-ND	.51	4.50	30.03	120.10	50-84-2090
12	Cap	11.0	600	.800	1.050	.480	.275	.350	1.030	1.065	WM1253-ND	.80	7.08	47.23	188.90	50-84-2120
15	Cap	11.0	600	.800	1.300	.480	.275	.350	1.030	1.315	WM1255-ND	.90	7.92	52.83	211.30	50-84-2150
Fig. 3 – Vertical Header																
2	Male	—	—	.300	.550	—	—	—	—	—	WM1256-ND	.60	5.30	35.33	141.30	10-84-4020
2	Female	—	—	.300	.550	—	—	—	—	—	WM1263-ND	.51	4.53	30.23	120.90	10-84-4022
3	Male	—	—	.300	.800	—	—	—	—	—	WM1257-ND	.83	7.30	48.65	194.60	10-84-4030
4	Male	—	—	.300	1.050	—	—	—	—	—	WM1258-ND	.91	8.00	53.33	213.30	10-84-4040
4	Female	—	—	.300	1.050	—	—	—	—	—	WM1265-ND	.83	7.31	48.75	195.00	10-84-4042
6	Male	—	—	.800	.550	—	—	—	—	—	WM1259-ND	1.35	11.95	79.68	318.70	10-84-4060
6	Female	—	—	.800	.550	—	—	—	—	—	WM1266-ND	1.71	15.08	100.55	402.20	10-84-4062
9	Male	—	—	.800	.800	—	—	—	—	—	WM1260-ND	1.67	14.78	98.53	394.10	10-84-4090
9	Female	—	—	.800	.800	—	—	—	—	—	WM1267-ND	1.70	15.02	100.15	400.60	10-84-4092
12	Male	—	—	.800	1.050	—	—	—	—	—	WM1261-ND	2.19	19.31	128.73	514.90	10-84-4120
12	Female	—	—	.800	1.050	—	—	—	—	—	WM1268-ND	2.42	21.33	142.23	568.90	10-84-4122
15	Male	—	—	.800	1.300	—	—	—	—	—	WM1262-ND	2.78	24.51	163.43	653.70	10-84-4150
15	Female	—	—	.800	1.300	—	—	—	—	—	WM1269-ND	2.71	23.92	159.45	637.80	10-84-4152

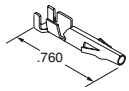
* Ratings are per circuit, based on fully loaded housings ‡ Cap housing should be installed into panel in the same direction as the panel cutout is punched

.084" Terminals

Split Pin (Male)



Socket (Female)



Description	Wire Size AWG Tin Plated	Insulation Dia. (Inch) Min.	Max.	Digi-Key Part No.	Pricing 10	100	500	1,000	Molex Part No.
Male Crimp	14 ~ 20	.060	.130	WM1270-ND	.66	5.31	22.13	35.40	02-08-2004
Female Crimp	14 ~ 20	.060	.130	WM1271-ND	.88	7.05	29.38	47.00	02-08-1002
Female Crimp	14 ~ 20	.060	.130	WM1271TR-ND‡	144.00/4,000				02-08-1001
Extraction Tool	14 ~ 20	—	—	WM9921-ND	33.84/1				11-01-0168
Manual Wire Stripper (Molex)				WM9969-ND	84.59/1				63817-0000
Crimp Tool for .084 Contacts				WM9009-ND	243.27/1				63811-6800

‡ Tape and Reel