

Mini-Fit Jr.™ Connectors

Positive Locking Hi-Density Power Connector

Current Carrying Capabilities: The Mini-Fit, Jr. can handle standard equipment I/O currents despite its small size. For example, the 2 circuit PCB connector can handle up to 9 amps at 250 volts.

Features: • UL recognized, CSA certified, and TUV licensed
• Up to 9 amperes/circuit • 250 volt rating
Specifications:
• **Material:** Terminal: Brass; Plating: Tin; Housing: UL 94V-2 nylon 6/6 • **Voltage Current:** 250V (Vertical Header with Pegs: 600V) • **Contact Resistance:** 10mΩ max. • **Insulation Resistance:** 1,000MΩ min. • **Dielectric Strength:** 1,500V AC

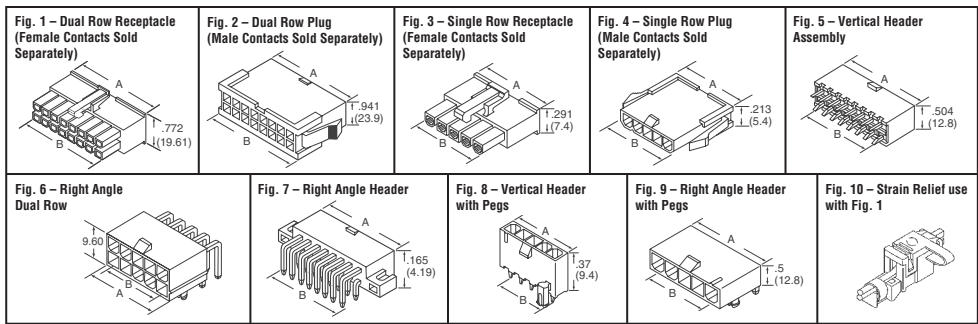


Fig.	Circuits	Amps	Dim. - Inch (mm)		Digi-Key Part No.	Price Each			Molex Part No.
			A	B		1	10	100	
1	2	9	.213 (5.40)	—	WM3700-ND	.42	.38	.25	39-01-2020
	4	8	.378 (9.60)	.165 (4.20)	WM3701-ND	.47	.42	.28	39-01-2040
	6	8	.543 (13.80)	.331 (8.40)	WM3702-ND	.56	.50	.33	39-01-2060
	8	7	.709 (18.00)	.496 (12.60)	WM3703-ND	.62	.55	.37	39-01-2080
	10	7	.874 (22.20)	.661 (16.80)	WM3704-ND	.72	.64	.43	39-01-2100
	12	6	1.039 (26.40)	.827 (21.00)	WM3705-ND	.80	.71	.47	39-01-2120
	14	6	1.205 (30.60)	.992 (25.20)	WM3706-ND	.95	.84	.56	39-01-2140
	16	6	1.370 (34.80)	1.158 (29.40)	WM3707-ND	.96	.86	.57	39-01-2160
	18	6	1.535 (39.00)	1.323 (33.60)	WM3708-ND	1.11	.98	.66	39-01-2180
	20	6	1.701 (43.20)	1.488 (37.80)	WM3709-ND	1.20	1.00	.71	39-01-2200
2	2	9	.213 (5.40)	—	WM3600-ND	.50	.45	.30	39-01-2021
	4	8	.378 (9.60)	.165 (4.20)	WM3601-ND	.54	.49	.33	39-01-2041
	6	8	.543 (13.80)	.331 (8.40)	WM3602-ND	.58	.51	.34	39-01-2061
	8	7	.709 (18.00)	.496 (12.60)	WM3603-ND	.62	.55	.37	39-01-2081
	10	7	.874 (22.20)	.661 (16.80)	WM3604-ND	.72	.64	.43	39-01-2101
	12	6	1.039 (26.40)	.827 (21.00)	WM3605-ND	.73	.65	.44	39-01-2121
	14	6	1.205 (30.60)	.992 (25.20)	WM3606-ND	.98	.87	.58	39-01-2141
	16	6	1.370 (34.80)	1.158 (29.40)	WM3607-ND	1.27	1.12	.75	39-01-2161
	18	6	1.535 (39.00)	1.323 (33.60)	WM18434-ND*	.49	.43	.29	39-01-4030
	20	6	1.701 (43.20)	1.488 (37.80)	WM18435-ND*	.57	.51	.34	39-01-4040
3	2	9	.213 (5.40)	—	WM18436-ND*	.61	.54	.36	39-01-4050
	4	8	.378 (9.60)	.165 (4.20)	WM18437-ND*	.53	.47	.32	39-01-4032
	6	8	.543 (13.80)	.331 (8.40)	WM18438-ND*	.53	.47	.31	39-01-4036
	8	7	.709 (18.00)	.496 (12.60)	WM18440-ND*	.56	.50	.34	39-01-4046
	10	7	.874 (22.20)	.661 (16.80)	WM18438-ND*	.59	.52	.35	39-01-4052
	12	6	1.039 (26.40)	.827 (21.00)	WM18441-ND*	.59	.52	.35	39-01-4056
	14	6	1.205 (30.60)	.992 (25.20)	WM3800-ND	.84	.75	.50	39-28-1023
	16	6	1.370 (34.80)	1.158 (29.40)	WM3801-ND	1.07	.95	.63	39-28-1043
	18	6	1.535 (39.00)	1.323 (33.60)	WM3802-ND	1.39	1.23	.82	39-28-1063
	20	6	1.701 (43.20)	1.488 (37.80)	WM3803-ND	1.58	1.40	.94	39-28-1083
5	2	9	.210 (5.40)	—	WM3804-ND	2.03	1.80	1.20	39-28-1103
	4	8	.380 (9.60)	.170 (4.20)	WM3805-ND	1.97	1.74	1.16	39-28-1123
	6	8	.540 (13.80)	.330 (8.40)	WM3806-ND	2.62	2.31	1.54	39-28-1143
	8	7	.710 (18.00)	.500 (12.60)	WM3807-ND	2.90	2.56	1.71	39-28-1163
	10	7	.870 (22.20)	.660 (16.80)	WM3808-ND	3.65	3.22	2.15	39-28-1183
	12	6	1.040 (26.40)	.825 (20.96)	WM3809-ND	4.00	3.53	2.36	39-28-1203
	14	6	1.200 (30.60)	.990 (25.20)	WM3810-ND	4.35	3.84	2.56	39-28-1223
	16	6	1.370 (34.80)	1.160 (29.40)	WM3811-ND	4.30	3.80	2.53	39-28-1243
	18	6	1.540 (39.00)	1.320 (33.60)	WM3820-ND	1.92	1.70	1.13	39-29-0023
	20	6	1.700 (43.20)	1.490 (37.80)	WM3821-ND	2.98	2.64	1.76	39-29-0043
5	2	9	.210 (5.40)	—	WM3822-ND	4.07	3.60	2.40	39-29-0063
	4	8	.380 (9.60)	.170 (4.20)	WM3823-ND	5.14	4.54	3.03	39-29-0083
	6	8	.540 (13.80)	.330 (8.40)	WM3824-ND	6.15	5.43	3.62	39-29-0103
	8	7	.710 (18.00)	.500 (12.60)	WM3825-ND	7.16	6.33	4.22	39-29-0123
	10	7	.870 (22.20)	.660 (16.80)	WM3826-ND	8.35	7.37	4.92	39-29-0143
	12	6	1.040 (26.40)	.825 (20.96)	WM3827-ND	9.43	8.32	5.55	39-29-0163
	14	6	1.200 (30.60)	.990 (25.20)	WM3828-ND	10.54	9.31	6.21	39-29-0183
	16	6	1.370 (34.80)	1.160 (29.40)	WM3829-ND	11.66	10.29	6.86	39-29-0203
	18	6	1.540 (39.00)	1.320 (33.60)	WM3830-ND	12.78	11.28	7.52	39-29-0223
	20	6	1.700 (43.20)	1.490 (37.80)	WM3831-ND	13.89	12.26	8.18	39-29-0243
6	2	9	.213 (5.40)	—	WM1351-ND	.83	.74	.49	39-30-1020
	4	8	.378 (9.60)	.165 (4.20)	WM1352-ND	1.21	1.07	.72	39-30-1040
	6	8	.543 (13.80)	.331 (8.40)	WM1353-ND	1.48	1.31	.88	39-30-1060
	8	7	.709 (18.00)	.496 (12.60)	WM1354-ND	1.78	1.58	1.05	39-30-1080
	10	7	.874 (22.20)	.661 (16.80)	WM1355-ND	2.12	1.87	1.25	39-30-1100

Fig.	Circuits	Amps	Dim. - Inch (mm)		Digi-Key Part No.	Price Each			Molex Part No.
			A	B		1	10	100	
6	12	6	1.039 (26.40)	.827 (21.00)	WM1356-ND	2.65	2.34	1.56	39-30-1120
	14	6	1.205 (30.60)	.992 (25.20)	WM1357-ND	2.91	2.57	1.72	39-30-1140
	16	6	1.370 (34.80)	1.158 (29.40)	WM1358-ND	3.37	2.97	1.98	39-30-1160
	18	6	1.535 (39.00)	1.323 (33.60)	WM1359-ND	3.63	3.20	2.14	39-30-1180
	20	6	1.701 (43.20)	1.488 (37.80)	WM1360-ND	4.17	3.68	2.46	39-30-1200
	22	6	1.866 (47.40)	1.654 (42.00)	WM1361-ND	4.69	4.14	2.76	39-30-1220
	24	6	2.031 (51.60)	1.819 (46.20)	WM1362-ND	5.23	4.62	3.08	39-30-1240
30 Gold Plated									
6	2	9	.213 (5.40)	—	WM1363-ND	1.79	1.58	1.06	39-30-1021
	4	8	.378 (9.60)	.165 (4.20)	WM1364-ND	2.28	2.01	1.34	39-30-1041
	6	8	.543 (13.80)	.331 (8.40)	WM1365-ND	2.81	2.49	1.66	39-30-1061
	8	7	.709 (18.00)	.496 (12.60)	WM1366-ND	3.40	3.01	2.01	39-30-1081
	10	7	.874 (22.20)	.661 (16.80)	WM1367-ND	4.05	3.58	2.39	39-30-1101
	12	6	1.039 (26.40)	.827 (21.00)	WM1368-ND	4.75	4.20	2.80	39-30-1121
	14	6	1.205 (30.60)	.992 (25.20)	WM1369-ND	5.59	4.93	3.29	39-30-1141
	16	6	1.370 (34.80)	1.158 (29.40)	WM1370-ND	6.45	5.70	3.80	39-30-1161
	18	6	1.535 (39.00)	1.323 (33.60)	WM1371-ND	7.46	6.59	4.39	39-30-1181
	20	6	1.701 (43.20)	1.488 (37.80)	WM1372-ND	8.57	7.57	5.05	39-30-1201
22	6	1.866 (47.40)	1.654 (42.00)	WM1373-ND	9.67	8.53	5.69	39-30-1221	
24	6	2.031 (51.60)	1.819 (46.20)	WM1374-ND	10.81	9.54	6.36	39-30-1241	
Tin Plated									
7	2	9	.606 (15.40)	—	WM3900-ND	.96	.85	.57	39-29-1028
	4	8	.772 (19.60)	.165 (4.20)	WM3901-ND	1.22	1.08	.72	39-29-1048
	6	8	.937 (23.80)	.331 (8.40)	WM3902-ND	1.49	1.32	.88	39-29-1068
	8	7	1.102 (28.00)	.496 (12.60)	WM3903-ND	1.80	1.59	1.06	39-29-1088
	10	7	1.268 (32.20)	.661 (16.80)	WM3904-ND	2.14	1.89	1.26	39-29-1108
	12	6	1.433 (36.40)	.827 (21.00)	WM3905-ND	2.51	2.22	1.48	39-29-1128
	14	6	1.598 (40.60)	.992 (25.20)	WM3906-ND	2.94	2.60	1.73	39-29-1148
	16	6	1.764 (44.80)	1.158 (29.40)	WM3907-ND	3.40	3.00	2.00	39-29-1168
	18	6	1.929 (49.00)	1.323 (33.60)	WM3908-ND	3.94	3.48	2.32	39-29-1188
	20	6	2.094 (53.20)	1.488 (37.80)	WM3909-ND	4.51	3.98	2.66	39-29-1208
22	6	2.260 (57.40)	1.654 (42.00)	WM3910-ND	5.13	4.53	3.02	39-29-1228	
24	6	2.425 (61.60)	1.819 (46.20)	WM3911-ND	5.67	5.01	3.34	39-29-1248	
Gold Plated									
7	2	9	.606 (15.40)	—	WM3920-ND	1.95	1.72	1.15	39-29-5023
	4	8	.772 (19.60)	.165 (4.20)	WM3921-ND	2.38	2.10	1.40	39-29-5043
	6	8	.937 (23.80)	.331 (8.40)	WM3922-ND	3.29	2.91	1.94	39-29-5063
	8	7	1.102 (28.00)	.496 (12.60)	WM3923-ND	3.90	3.45	2.30	39-29-5083
	10	7	1.268 (32.20)	.661 (16.80)	WM3924-ND	4.58	4.05	2.70	39-29-5103
	12	6	1.433 (36.40)	.827 (21.00)	WM3925-ND	5.32	4.70	3.13	39-29-5123
	14	6	1.598 (40.60)	.992 (25.20)	WM3926-ND	6.18	5.46	3.64	39-29-5143
	16	6	1.764 (44.80)	1.158 (29.40)	WM3927-ND	7.09	6.26	4.18	39-29-5163
	18	6	1.929 (49.00)	1.323 (33.60)	WM3928-ND	8.15	7.20	4.80	39-29-5183
	20	6	2.094 (53.20)	1.488 (37.80)	WM3929-ND	9.30	8.21	5.48	39-29-5203
22	6	2.260 (57.40)	1.654 (42.00)	WM3930-ND	10.44	9.22	6.15	39-29-5223	
24	6	2.425 (61.60)	1.819 (46.20)	WM3931-ND	11.64	10.27	6.85	39-29-5243	
Tin Plated									
8	3	9	.543 (13.80)	.331 (8.40)	WM18442-ND	1.07	.95	.63	39-30-1039
	3	9	.543 (13.80)	.331 (8.40)	WM18443-ND	1.07	.95	.63	39-30-2035
	4	8	.709 (18.00)	.496 (12.60)	WM18444-ND	1.69	1.49	1.00	39-30-2045
	5	8	.874 (22.20)	.661 (16.80)	WM18445-ND	1.86	1.65	1.10	39-30-2056
	5	8	.874 (22.20)	.661 (16.80)	WM18446-ND	1.27	1.13	.75	39-30-3035
9	4	8	.709 (18.00)	.496 (12.60)	WM18447-ND	1.49	1.32	.88	39-30-3045
	5	8	.874 (22.20)	.661 (16.80)	WM18448-ND	1.71	1.52	1.01	39-30-3055
Strain Relief (use with Fig. 1)									
10	6	—	—	—	WM13702-ND	2.53	—	—	15-04-0296
	8	—	—	—	WM13703-ND	2.14	—	—	15-04-0343
	12	—	—	—	WM13705-ND	2.73	—	—	15-04-0345