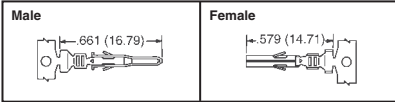


molex Mini-Fit Jr.™ Terminals



Contact Material/Plating

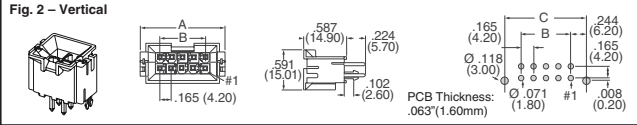
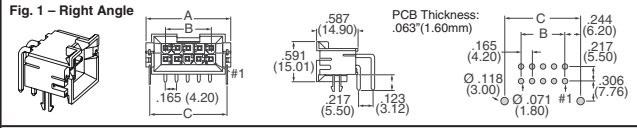
- A: Tin-plated copper alloy over nickel
- B: Gold-plated phosphor bronze over nickel
- C: Gold-plated brass over nickel
- D: Tin-plated brass over copper
- E: Tin-plated phosphor bronze



Mini-Fit SMC™ (Surface Mount Compatible™) Connectors



Surface Mount Compatible Headers, Dual Row



Description	Wire Size (AWG)	Material/Plating	Insulation Dia. Inch (mm)	Digi-Key Part No.	Pricing			Molex Part No.
					1	10	100	
Male	16	A	.071 - .122 (1.80 - 3.10)	WM1911-ND§	.27	2.26	16.09	44478-3112
Female	16	A	.071 - .122 (1.80 - 3.10)	WM1913-ND§	.43	2.68	15.39	44476-3112
Male	16	B	.071 - .122 (1.80 - 3.10)	WM18520-ND	.81	6.66	47.54	39-00-0224
Female	16	B	.071 - .122 (1.80 - 3.10)	WM18517-ND	.83	6.86	48.99	39-00-0186
Male	16	C	.122 (3.10)	WM5963-ND	.61	5.05	36.04	39-00-0096
Male	16	C	.122 (3.10)	WM5963TR-ND†	958.28/4,000			39-00-0095
Female	16	D	.122 (3.10)	WM3112CT-ND‡	—	.44	3.47	39-00-0077
Female	16	D	.122 (3.10)	WM3112TR-ND‡	92.52/4,000			39-00-0077
Female	16	E	.122 (3.10)	WM3113CT-ND‡	—	1.07	8.51	39-00-0079
Female	16	E	.122 (3.10)	WM3113TR-ND‡	228.00/4,000			39-00-0079
Male	16	D	.122 (3.10)	WM1016-ND	.14	1.26	8.41	39-00-0082
Male	16	D	.122 (3.10)	WM1016TR-ND†	102.44/4,000			39-00-0081
Male	16	E	.122 (3.10)	WM3114CT-ND‡	—	1.26	10.06	39-00-0083
Male	16	E	.122 (3.10)	WM3114TR-ND‡	267.66/4,000			39-00-0083
Female	16	C	.122 (3.10)	WM3115-ND	.56	4.64	33.17	39-00-0090
Female	16	C	.122 (3.10)	WM3115TR-ND†	773.23/4,000			39-00-0089
Female	16	B	.122 (3.10)	WM3121-ND	.74	6.13	43.77	39-00-0158
Female	16	E	.071 - .122 (1.80 - 3.10)	WM3118CT-ND‡	—	1.50	11.98	39-00-0217
Female	16	E	.071 - .122 (1.80 - 3.10)	WM3118TR-ND†	320.53/4,000			39-00-0217
Male	18-24	D	.051 - .122 (1.30 - 3.10)	WM2500-ND	—	2.25	9.96	39-00-0041
Male	18-24	D	.051 - .122 (1.30 - 3.10)	WM2500CT-ND‡	—	—	5.14	39-00-0040
Male	18-24	D	.051 - .122 (1.30 - 3.10)	WM2500TR-ND†	102.44/4,000			39-00-0040
Female	18-24	D	.051 - .122 (1.30 - 3.10)	WM2501-ND	—	2.15	9.52	39-00-0039
Female	18-24	D	.051 - .122 (1.30 - 3.10)	WM2501CT-ND‡	—	—	4.51	39-00-0038
Female	18-24	D	.051 - .122 (1.30 - 3.10)	WM2501TR-ND†	85.91/4,000			39-00-0038
Male	18-24	B	.051 - .122 (1.30 - 3.10)	WM18521-ND	.81	6.66	47.54	39-00-0220
Male	18-24	B	.051 - .122 (1.30 - 3.10)	WM18521TR-ND†	1308.54/4,000			39-00-0219
Female	18-24	B	.051 - .122 (1.30 - 3.10)	WM18518-ND	.93	6.55	43.99	39-00-0182
Female	18-24	B	.051 - .122 (1.30 - 3.10)	WM18518CT-ND‡	—	—	35.41	39-00-0181
Female	18-24	B	.051 - .122 (1.30 - 3.10)	WM18518TR-ND†	1133.41/4,000			39-00-0181
Male	18-20	A	.051 - .122 (1.30 - 3.10)	WM1912-ND§	.27	2.26	16.09	44478-1112
Female	18-20	A	.051 - .122 (1.30 - 3.10)	WM1914-ND§	.27	2.26	16.09	44476-1112
Female	18-24	B	.060 - .120 (1.52 - 3.05)	WM18523-ND	.86	7.05	50.38	44485-1212
Male	18-24	D	.051 - .122 (1.30 - 3.10)	WM3940-ND*	.28	2.29	16.32	30490-2012
Male	18-24	C	.051 - .122 (1.30 - 3.10)	WM3942-ND	.61	5.05	36.03	39-00-0431
Female	18-24	C	.051 - .122 (1.30 - 3.10)	WM5959TR-ND†	875.67/4,000			39-00-0163
Male	18-24	B	.051 - .122 (1.30 - 3.10)	WM3941-ND*	.82	6.77	48.31	30490-1012
Female	18-24	E	.051 - .122 (1.30 - 3.10)	WM1138CT-ND‡	—	1.81	8.00	39-00-0059
Female	18-24	E	.051 - .122 (1.30 - 3.10)	WM1138TR-ND†	148.70/4,000			39-00-0059
Female	18-24	E	.051 - .122 (1.30 - 3.10)	WM1015-ND	.21	1.89	12.60	39-00-0060
Male	18-24	E	.051 - .122 (1.30 - 3.10)	WM1017-ND	.21	1.89	12.60	39-00-0062
Male	18-24	E	.051 - .122 (1.30 - 3.10)	WM1017TR-ND†	228.00/4,000			39-00-0061
Female	18-24	B	.051 - .122 (1.30 - 3.10)	WM1139-ND	.74	6.13	43.77	39-00-0154
Female	18-24	B	.051 - .122 (1.30 - 3.10)	WM1139CT-ND‡	—	3.33	25.40	39-00-0153
Female	18-24	B	.051 - .122 (1.30 - 3.10)	WM1139TR-ND†	574.97/4,000			39-00-0153
Female	18-24	D	.051 - .122 (1.30 - 3.10)	WM3116CT-ND‡	—	1.69	7.49	39-00-0207
Female	18-24	D	.051 - .122 (1.30 - 3.10)	WM3116TR-ND†	142.09/4,000			39-00-0207
Female	18-24	E	.051 - .122 (1.30 - 3.10)	WM3117CT-ND‡	—	1.50	11.98	39-00-0213
Female	18-24	E	.051 - .122 (1.30 - 3.10)	WM3117TR-ND†	320.53/4,000			39-00-0213
Female	18-24	C	.051 - .122 (1.30 - 3.10)	WM1059-ND	.56	4.97	33.17	39-00-0429
Female	18-24	C	.051 - .122 (1.30 - 3.10)	WM1140CT-ND‡	—	3.62	28.97	39-00-0428
Female	18-24	C	.051 - .122 (1.30 - 3.10)	WM1140TR-ND†	641.05/4,000			39-00-0428
Male	18-24	C	.051 - .122 (1.30 - 3.10)	WM3119CT-ND‡	—	4.21	33.73	39-00-0430
Male	18-24	C	.051 - .122 (1.30 - 3.10)	WM3119TR-ND†	898.80/4,000			39-00-0430
Male	22-28	C	.035 - .071 (0.90 - 1.80)	WM6094-ND	.56	4.97	33.17	39-00-0433
Male	22-28	D	.035 - .071 (0.90 - 1.80)	WM2502-ND	—	1.17	8.41	39-00-0049
Male	22-28	D	.035 - .071 (0.90 - 1.80)	WM2502TR-ND†	153.65/6,000			39-00-0048
Female	22-28	D	.035 - .071 (0.90 - 1.80)	WM2503-ND	—	2.15	9.52	39-00-0047
Female	22-28	D	.035 - .071 (0.90 - 1.80)	WM2503TR-ND†	138.78/6,000			39-00-0046
Male	22-28	B	.035 - .071 (0.90 - 1.80)	WM18522-ND	.81	6.66	47.54	39-00-0222
Female	22-28	B	.035 - .071 (0.90 - 1.80)	WM18519-ND	.83	6.86	48.99	39-00-0184
Female	22-28	B	.035 - .071 (0.90 - 1.80)	WM18519TR-ND†	1700.11/6,000			39-00-0183
Female	22-28	E	.035 - .071 (0.90 - 1.80)	WM3111CT-ND‡	—	1.07	8.51	39-00-0065
Female	22-28	E	.035 - .071 (0.90 - 1.80)	WM3111TR-ND†	342.01/6,000			39-00-0065
Female	22-28	B	.035 - .071 (0.90 - 1.80)	WM3120-ND	.74	6.13	43.77	39-00-0156
Female	22-28	B	.035 - .071 (0.90 - 1.80)	WM3120CT-ND‡	—	—	43.76	39-00-0155
Female	22-28	B	.035 - .071 (0.90 - 1.80)	WM3120TR-ND†	1313.50/6,000			39-00-0155
Universal Crimp Tool				WM9999-ND	27.88/1			63811-1000
Hand Crimp Tool, 16-24AWG				WM9026-ND	168.10/1			63819-9000
Locator Assembly for 63819-9000				WM1190-ND	31.23/1			63819-9975
Hand Crimp Tool, 16-28AWG				WM17551-ND	83.27/1			64016-0200
Extraction Tool				WM9918-ND	12.64/1			11-03-0044
Polarizing Key				WM2579-ND	.43/1			15-04-0211

* Grounding pin ‡ Cut Tape † Tape and Reel § High Current

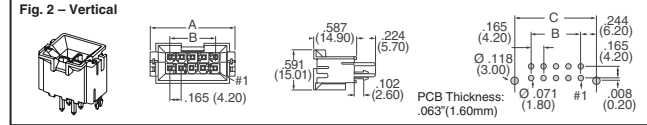
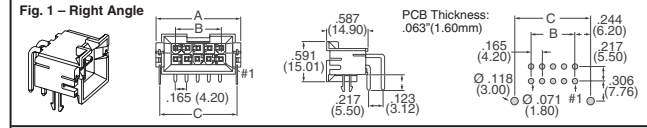
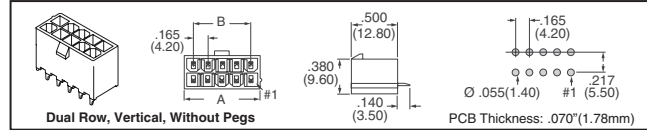


Fig.	Circuits	Dimensions - Inch (mm)			Digi-Key Part No.	Price Each			Molex Part No.
		A	B	C		1	10	100	
1	4	.740 (18.81)	.165 (4.20)	.653 (16.60)	WM18457-ND	3.71	3.28	2.19	43810-0001
	6	.906 (23.01)	.331 (8.40)	.819 (20.80)	WM18458-ND	4.67	4.12	2.75	43810-0002
	10	1.237 (31.41)	.661 (16.80)	1.15 (29.20)	WM18459-ND	6.69	5.91	3.94	43810-0004
2	4	.740 (18.81)	.165 (4.20)	.653 (16.60)	WM18461-ND	3.34	2.95	1.97	44068-0001
	6	.906 (23.01)	.331 (8.40)	.819 (20.80)	WM18462-ND	4.20	3.71	2.48	44068-0002
	10	1.237 (31.41)	.661 (16.80)	1.15 (29.20)	WM18462-ND	5.39	4.75	3.17	44068-0004

Mini-Fit HCS™ (High Current System™) Connectors



Circuits	Amps	Dimensions - Inch (mm)		Digi-Key Part No.	Price Each			Molex Part No.
		A	B		1	10	100	
2	12	.210 (5.40)	—	WM18449-ND	1.06	.94	.63	44472-0254
4	11	.380 (9.60)	.170 (4.20)	WM18450-ND	1.64	1.45	.97	44472-0454
6	11	.540 (13.80)	.330 (8.40)	WM18451-ND	2.22	1.97	1.31	44472-0654
8	10	.710 (18.00)	.500 (12.60)	WM18452-ND	2.80	2.48	1.65	44472-0854
10	10	.870 (22.20)	.660 (16.80)	WM18453-ND	3.38	2.98	1.99	44472-1054
12	9	1.04 (26.40)	.830 (21.00)	WM18454-ND	3.67	3.24	2.16	44472-1254
14	9	1.20 (30.60)	.990 (25.20)	WM18455-ND	4.54	4.01	2.67	44472-1454
16	9	1.37 (34.80)	1.16 (29.40)	WM18456-ND	5.11	4.51	3.01	44472-1654

5.08mm Disk Drive Power Connection System

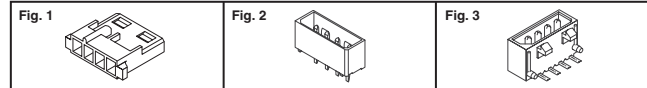


Fig.	Circuits	Description	Digi-Key Part No.	Price Each			Molex Part No.
1	4	Receptacle Housing	WM6982-ND	.72	.51	.34	15-24-4048
2	4	Vertical Header	WM6987-ND	1.40	1.09	.83	15-24-4557
3	4	Right Angle Header	WM6988-ND	1.34	1.05	.80	15-24-4441

Power Connection Terminals

Description	Wire Size (AWG)	Max. Insulation Diameter Inch (mm)	Digi-Key Part No.	Price Each			Molex Part No.
Female	14-20	.133(3.39)	WM6983-ND	.22	.20	.14	02-08-1202
Universal Crimp Tool (Molex)			WM9999-ND	27.88/1			63811-1000
Manual Wire Stripper (Molex)			WM9969-ND	52.04/1			63817-0000
Hand Crimp Tool (Molex)			WM17553-ND	83.27/1			64016-0204

Kit

WM8497-ND (78650-0176) Disk Drive Power Connector Kit: PCB Vertical Header and Receptacle 17.27

Mini-Fit HCS™ (High Current System™) Crimp Terminals



Description	Wire Size (AWG)	Material/Plating	Insulation Diameter Inch (mm)	Digi-Key Part No.	Pricing			Molex Part No.
					1	10	100	
Male	16			WM1911-ND	.27	2.26	16.09	44478-3112
Female	16	Tin-Plated Copper Alloy over Nickel	.071 - .122 (1.80 - 3.10)	WM1913-ND	.43			