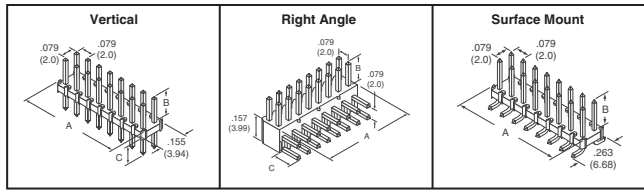




2mm x 2mm Pin Strip Headers

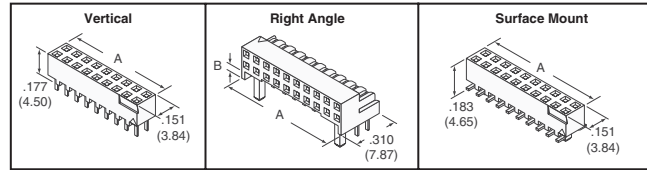


Features: • Industry standard compatible • High temperature dielectric • IR, vapor and wave solder compatible • Straight Solder Tail • Maximizes use of PC board space • Mates with boardmount and wiremount products • End stackable feature • Side stackable feature
Physical Specifications: • Contact Plating: • Wiping area: 30µ" Gold • Solder Tails: 200µ" Tin Lead (RoHS Compliant: 300µ" Matte Tin) • Underplate: 100µ" Nickel • Contact Material: Copper Alloy
Insulator Material: High Temperature Thermoplastic (PCT or LCP) • Flammability: UL 94V-0 **Electrical Specifications:** • Current Rating: 1.5A • Insulation Resistance: >1 x 10¹⁰Ω @ 250VDC • Withstanding Voltage: 500VDC @ Sea level
Environmental Specifications: • Operating Temperature: -55°C - 105°C

No. of Pos.	Dim. Inch (mm)			Digi-Key Part No.	Price Each	3M Part No.
	A	B	C			
Vertical (Natural)						
8	.295 (7.5)	.152 (3.86)	.118 (3.0)	3M1108-ND	1.06	.81 .73 151208-8422-TB
10	.374 (9.5)	.152 (3.86)	.118 (3.0)	3M1110-ND	1.73	1.32 1.19 151210-8422-TB
12	.453 (11.5)	.152 (3.86)	.118 (3.0)	3M1112-ND	1.29	.98 .89 151212-8422-TB
20	.768 (19.5)	.152 (3.86)	.118 (3.0)	3M1120-ND	1.73	1.32 1.19 151220-8422-TB
24	.925 (23.5)	.152 (3.86)	.118 (3.0)	3M1124-ND	1.98	1.51 1.36 151224-8422-TB
40	1.556 (39.5)	.152 (3.86)	.118 (3.0)	3M1140-ND	2.70	2.06 1.86 151240-8422-TB
44	1.714 (43.5)	.152 (3.86)	.118 (3.0)	3M1144-ND	2.91	2.22 2.01 151244-8422-TB
50	1.950 (49.5)	.152 (3.86)	.118 (3.0)	3M1150-ND	3.20	2.44 2.21 151250-8422-TB
60	2.344 (59.5)	.152 (3.86)	.118 (3.0)	3M1160-ND	3.70	2.82 2.55 151260-8422-TB
Vertical (Black) — RoHS Compliant						
8	.295 (7.5)	.152 (3.86)	.118 (3.0)	3M1408-ND	.92	.70 .63 151208-8422-RB
8	.295 (7.5)	.152 (3.86)	.059 (1.5)	3M5353-ND	1.66	1.27 1.15 151208-8421-RB
10	.374 (9.5)	.152 (3.86)	.118 (3.0)	3M1410-ND	1.00	.76 .69 151210-8422-RB
10	.374 (9.5)	.130 (3.30)	.118 (3.0)	3M5356-ND	1.00	.76 .69 151210-8322-RB
12	.453 (11.5)	.152 (3.86)	.118 (3.0)	3M1412-ND	1.10	.84 .76 151212-8422-RB
14	.531 (13.5)	.152 (3.86)	.118 (3.0)	3M5358-ND	1.21	.92 .83 151214-8422-RB
16	.611 (15.5)	.152 (3.86)	.118 (3.0)	3M5362-ND	1.33	1.02 .92 151216-8422-RB
20	.768 (19.5)	.152 (3.86)	.118 (3.0)	3M1420-ND	1.48	1.13 1.02 151220-8422-RB
20	.768 (19.5)	.130 (3.30)	.059 (1.5)	3M5365-ND	2.27	1.73 1.56 151220-8321-RB
20	.768 (19.5)	.130 (3.30)	.118 (3.0)	3M5366-ND	1.48	1.13 1.02 151220-8322-RB
24	.925 (23.5)	.152 (3.86)	.118 (3.0)	3M1424-ND	1.71	1.30 1.18 151224-8422-RB
26	1.005 (25.5)	.130 (3.30)	.118 (3.0)	3M5370-ND	1.79	1.36 1.23 151226-8322-RB
30	1.162 (29.5)	.152 (3.86)	.118 (3.0)	3M1430-ND	1.96	1.49 1.35 151230-8422-RB
40	1.556 (39.5)	.152 (3.86)	.118 (3.0)	3M1440-ND	2.33	1.77 1.61 151240-8422-RB
40	1.556 (39.5)	.130 (3.30)	.118 (3.0)	3M5373-ND	2.33	1.77 1.61 151240-8322-RB
44	1.714 (43.5)	.152 (3.86)	.118 (3.0)	3M1444-ND	2.52	1.92 1.74 151244-8422-RB
44	1.714 (43.5)	.130 (3.30)	.118 (3.0)	3M5375-ND	2.52	1.92 1.74 151244-8322-RB
50	1.950 (49.5)	.152 (3.86)	.118 (3.0)	3M1450-ND	2.77	2.11 1.91 151250-8422-RB
50	1.950 (49.5)	.130 (3.30)	.118 (3.0)	3M5377-ND	2.77	2.11 1.91 151250-8322-RB
60	2.344 (59.5)	.152 (3.86)	.118 (3.0)	3M5381-ND	3.20	2.44 2.21 151260-8422-RB
Right Angle (Natural)						
8	.295 (7.5)	.152 (3.86)	.118 (3.0)	3M1208-ND	.69	.53 .48 151208-7422-TB
10	.374 (9.5)	.152 (3.86)	.118 (3.0)	3M1210-ND	.77	.59 .53 151210-7422-TB
12	.453 (11.5)	.152 (3.86)	.118 (3.0)	3M1212-ND	.85	.65 .59 151212-7422-TB
20	.768 (19.5)	.152 (3.86)	.118 (3.0)	3M1220-ND	1.16	.89 .81 151220-7422-TB
24	.925 (23.5)	.152 (3.86)	.118 (3.0)	3M1224-ND	1.33	1.02 .92 151224-7422-TB
30	1.162 (29.5)	.152 (3.86)	.118 (3.0)	3M1230-ND	1.54	1.17 1.06 151230-7422-TB
50	1.950 (49.5)	.152 (3.86)	.118 (3.0)	3M1250-ND	2.41	1.84 1.66 151250-7422-TB
Right Angle (Black) — RoHS Compliant						
8	.295 (7.5)	.152 (3.86)	.118 (3.0)	3M1508-ND	.64	.49 .45 151208-7422-RB
10	.374 (9.5)	.152 (3.86)	.118 (3.0)	3M1510-ND	.71	.54 .49 151210-7422-RB
10	.374 (9.5)	.130 (3.30)	.118 (3.0)	3M5355-ND	1.00	.76 .69 151210-7322-RB
12	.453 (11.5)	.152 (3.86)	.118 (3.0)	3M1512-ND	.79	.61 .55 151212-7422-RB
12	.453 (11.5)	.130 (3.30)	.118 (3.0)	3M5357-ND	.81	.62 .56 151212-7322-RB
16	.611 (15.5)	.152 (3.86)	.118 (3.0)	3M5361-ND	.87	.67 .61 151216-7422-RB
18	.689 (17.5)	.130 (3.30)	.118 (3.0)	3M5363-ND	1.04	.79 .72 151218-7322-RB
20	.768 (19.5)	.152 (3.86)	.118 (3.0)	3M1520-ND	1.12	.86 .78 151220-7422-RB
24	.925 (23.5)	.152 (3.86)	.118 (3.0)	3M1524-ND	1.44	1.10 .99 151224-7422-RB
26	1.005 (25.5)	.152 (3.86)	.118 (3.0)	3M5369-ND	1.56	1.19 1.08 151226-7422-RB
30	1.162 (29.5)	.152 (3.86)	.118 (3.0)	3M1530-ND	1.33	1.02 .92 151230-7422-RB
32	1.240 (31.5)	.130 (3.30)	.118 (3.0)	3M5371-ND	1.52	1.16 1.05 151232-7322-RB
36	1.398 (35.5)	.130 (3.30)	.118 (3.0)	3M5372-ND	1.64	1.25 1.13 151236-7322-RB
40	1.556 (39.5)	.152 (3.86)	.118 (3.0)	3M1540-ND	2.08	1.58 1.43 151240-7422-RB
44	1.714 (43.5)	.152 (3.86)	.118 (3.0)	3M1544-ND	1.89	1.44 1.31 151244-7422-RB
44	1.714 (43.5)	.152 (3.86)	.059 (1.5)	3M5374-ND	2.70	2.06 1.86 151244-7421-RB
50	1.950 (49.5)	.152 (3.86)	.118 (3.0)	3M1550-ND	2.08	1.58 1.43 151250-7422-RB
60	2.344 (59.5)	.152 (3.86)	.118 (3.0)	3M2360-ND	2.37	1.81 1.64 151260-7422-RB
Surface Mount (Black) — RoHS Compliant						
4	.139 (3.5)	.130 (3.30)	—	3M5350-ND	.67	.51 .46 151204-2320-RB
8	.295 (7.5)	.130 (3.30)	—	3M5351CT-ND†	1.93	1.47 — 151208-2320-RB-WB
8	.295 (7.5)	.152 (3.86)	—	3M5352CT-ND†	2.04	1.55 — 151208-2420-RB-WB
8	.295 (7.5)	.152 (3.86)	—	3M5352TR-ND‡	997.43/750	— 151208-2420-RB-WB
10	.374 (9.5)	.152 (3.86)	—	3M5354CT-ND†	2.12	1.62 — 151210-2420-RB-WB
10	.374 (9.5)	.152 (3.86)	—	3M5354TR-ND‡	693.55/500	— 151210-2420-RB-WB
16	.611 (15.5)	.130 (3.30)	—	3M5359-ND	1.33	1.02 .92 151216-2320-RB
16	.611 (15.5)	.152 (3.86)	—	3M5360-ND	1.33	1.02 .92 151216-2420-RB
16	.611 (15.5)	.152 (3.86)	—	3M5360CT-ND†	2.23	1.70 — 151216-2420-RB-WC
16	.611 (15.5)	.152 (3.86)	—	3M5360TR-ND‡	729.30/500	— 151216-2420-RB-WC
20	.768 (19.5)	.152 (3.86)	—	3M5364-ND	1.48	1.13 1.02 151220-2420-RB
22	.847 (21.5)	.152 (3.86)	—	3M5367-ND	1.37	1.05 .95 151222-2420-RB
26	1.005 (25.5)	.152 (3.86)	—	3M5368CT-ND†	2.43	1.85 — 151226-2420-RB-WD
26	1.005 (25.5)	.152 (3.86)	—	3M5368TR-ND‡	396.83/250	— 151226-2420-RB-WD
50	1.95 (49.5)	.152 (3.86)	—	3M5376CT-ND†	3.45	2.63 — 151250-2420-RB-WF
50	1.95 (49.5)	.152 (3.86)	—	3M5376TR-ND‡	1129.70/500	— 151250-2420-RB-WF
60	2.344 (59.5)	.130 (3.30)	—	3M5378-ND	3.20	2.44 2.21 151260-2320-RB
60	2.344 (59.5)	.152 (3.86)	—	3M5379-ND	3.20	2.44 2.21 151260-2420-RB

† Cut Tape ‡ Tape and Reel

2mm x 2mm Boardmount Sockets



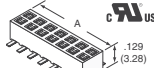
Features: • High temperature dielectric • Reflow solder compatible • Industry standard compatible • Minimizes PC board stacking heights • End stackable feature • Side stackable feature
Physical Specifications: • Insulator Material: Glass Filled Polyester (PCT) • Marking: Orientation delta and 3M Logo
Contact Material: Beryllium copper or Copper alloy • **Contact Plating:** • Wiping area: 30µ" gold • **Solder Tails:** 200µ" Tin/Lead (RoHS Compliant: 300µ" Matte Tin) • **Underplate:** 50µ - 150µ Nickel overall **Electrical Specifications:** • Current Rating: 1A • Insulation Resistance: 1 x 10¹⁰Ω @ 250VDC • **Withstanding Voltage:** 500VDC @ Sea level
Environmental Specifications: • Operating Temperature: -55°C - 105°C

No. of Pos.	Dim. Inch (mm)		Digi-Key Part No.	Price Each	3M Part No.
	A	B			
Vertical (Natural)					
8	.310 (8.0)	—	3M1008-ND	1.89	1.44 1.31 150208-6002-TB
10	.389 (10.0)	—	3M1010-ND	1.98	1.51 1.36 150210-6002-TB
20	.782 (20.0)	—	3M1020-ND	2.33	1.77 1.61 150220-6002-TB
24	.940 (24.0)	—	3M1024-ND	2.48	1.89 1.71 150224-6002-TB
30	1.176 (30.0)	—	3M1030-ND	2.68	2.04 1.85 150230-6002-TB
40	1.570 (40.0)	—	3M1040-ND	3.04	2.31 2.09 150240-6002-TB
44	1.727 (44.0)	—	3M1044-ND	3.18	2.42 2.19 150244-6002-TB
50	1.964 (50.0)	—	3M1050-ND	3.39	2.58 2.34 150250-6002-TB
Vertical (Black) — RoHS Compliant					
4	.156 (4.0)	—	3M5301-ND	1.54	1.17 1.06 150204-6002-RB
6	.231 (6.0)	—	3M5303-ND	1.64	1.25 1.13 150206-6001-RB
6	.231 (6.0)	—	3M5304-ND	1.62	1.24 1.12 150206-6002-RB
8	.310 (8.0)	—	3M1308-ND	1.64	1.25 1.13 150208-6002-RB
10	.389 (10.0)	—	3M1310-ND	1.71	1.30 1.18 150210-6002-RB
12	.467 (12.0)	—	3M1312-ND	1.77	1.35 1.22 150212-6002-RB
14	.546 (14.0)	—	3M5308-ND	1.83	1.40 1.26 150214-6002-RB
16	.625 (16.0)	—	3M5311-ND	1.87	1.43 1.29 150216-6002-RB
18	.704 (18.0)	—	3M5312-ND	1.93	1.47 1.33 150218-6002-RB
20	.782 (20.0)	—	3M1320-ND	2.02	1.54 1.39 150220-6002-RB
24	.940 (24.0)	—	3M1324-ND	2.14	1.63 1.48 150224-6002-RB
26	1.019 (26.0)	—	3M5321-ND	2.18	1.66 1.51 150226-6002-RB
28	1.097 (28.0)	—	3M5322-ND	2.18	1.66 1.51 150228-6002-RB
30	1.176 (30.0)	—	3M1330-ND	2.31	1.76 1.59 150230-6002-RB
32	1.255 (32.0)	—	3M5325-ND	2.37	1.81 1.64 150232-6002-RB
34	1.334 (34.0)	—	3M5328-ND	2.43	1.85 1.68 150234-6002-RB
40	1.570 (40.0)	—	3M1340-ND	2.60	1.98 1.79 150240-6002-RB
44	1.727 (44.0)	—	3M1344-ND	2.75	2.09 1.89 150244-6002-RB
50	1.964 (50.0)	—	3M1350-ND	2.93	2.23 2.02 150250-6002-RB
60	2.357 (60.0)	—	3M1360-ND	3.24	2.47 2.24 150260-6002-RB
Right Angle (Black) — RoHS Compliant					
16	.625 (16.0)	.015 (0.38)	3M5310-ND	5.08	3.86 3.49 150216-5002-RB
24	.940 (24.0)	.015 (0.38)	3M5317-ND	5.74	4.37 3.95 150224-5002-RB
26	1.019 (26.0)	.015 (0.38)	3M5320-ND	5.53	4.21 3.81 150226-5002-RB
34	1.334 (34.0)	.015 (0.38)	3M5327-ND	5.76	4.38 3.97 150234-5002-RB
36	1.412 (36.0)	.015 (0.38)	3M5329-ND	5.93	4.51 4.08 150236-5002-RB
40	1.570 (40.0)	.015 (0.38)	3M5332-ND	6.12	4.65 4.21 150240-5002-RB
44	1.727 (44.0)	.015 (0.38)	3M5334-ND	6.22	4.73 4.28 150244-5002-RB
44	1.727 (44.0)	.028 (0.71)	3M5337-ND	6.22	4.73 4.28 150244-520

3M 2mm Surface Mount Thru-Board Sockets



Features: • Reflow solder compatible • End stackable feature
Insulator Material: Glass filled PCT • **Flammability:** UL94V-0
Color: Black • **Contact material:** Copper Alloy • **Underplating:** 50 - 150µm Nickel • **Wiping area:** 30µm gold
Solder Tails: 300µm Matte Tin
Electrical Specifications: • **Current Rating:** 1 Amp
Environmental Specifications: • **Operating Temperature:** -55°C - 105°C

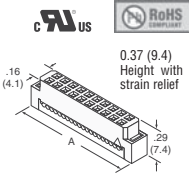


No. of Pos.	Dim. A Inch (mm)	Digi-Key Part No.	Cut Tape Price Each			Tape and Reel Qty.	3M Part No.
			100	500	1000		
4	0.156 (3.96)	3M5410-ND	1.33	1.02	.92	—	153204-2000-RB
4	0.156 (3.96)	3M5635CT-ND	1.12	.86	—	800	892.32 153204-2000-RB-WA
6	0.231 (5.87)	3M5411CT-ND	1.16	.89	—	800	915.20 153206-2000-RB-WA
14	0.546 (13.87)	3M5414CT-ND	1.35	1.03	—	800	1075.36 153214-2000-RB-WB
16	0.625 (15.88)	3M5416CT-ND	1.56	1.19	—	800	1235.52 153216-2000-RB-WB
24	0.940 (23.88)	3M5420CT-ND	1.77	1.35	—	800	1395.68 153224-2000-RB-WD
26	1.019 (25.88)	3M5422CT-ND	1.93	1.47	—	800	1532.96 153226-2000-RB-WD
46	1.806 (45.87)	3M5430CT-ND	4.04	3.07	—	—	153246-2000-RB-WF

† For Tape and Reel part number, change FT-ND to TR-ND. ◊ Bulk

2mm Wiremount Sockets

2mm Wiremount Socket - 1mm Pitch Cable: **Features:** • Industry standard compatible • Mates with 2.0mm x 2.0mm grid pin strips • Low profile • Preassembled covers • Available with and without strain relief
Insulation Material: Glass Filled Polyester (PBT), Flammability: UL94 V-0 • **Color:** Gray • **Contact Material:** Copper Alloy • **Contact Plating:** Underplate and U-slot: 50-150µm Nickel, QQ-N-290, Class 2 • **Wiping area:** Gold Mil-G-45204, Type II, Grade C
Electrical Specifications: • **Current Rating:** 1 Amp • **Insulation Resistance:** >1x10⁹Ω at 500VDC • **Withstanding Voltage:** 1000Vrms at Sea Level
Environmental Specifications: • **Operating Temperature Rating:** -55°C - 105°C
Rating: UL File No. E68080



1.0mm Round Conductor Flat Cable - 28AWG Stranded, PVC: **Physical Specifications:** • **Insulation Material:** Polyvinyl Chloride (PVC) • **Color:** Gray • **Marking:** Red Edge • **Conductors:** 28AWG, 7 x 36 Tinned Stranded Copper
Electrical Specifications: • **Voltage Rating:** 300V
Environmental Specifications: • **Operating Temperature Rating:** -20°C - 105°C • **Flammability Rating:** UL: WW-1, CSA: FT1
Rating: UL File No. E42769, Style 2651 CSA File No. LL 53649 (optional)

No. of Pos.	Dimension A Inch (mm)	Digi-Key Part No.	Price			3M Part No.
			1	100	500	
IDC Sockets Gold						
10	.59 (15.0)	MSA10A-ND	2.97	225.94	1001.00	152210-0100-GB
12	.67 (17.0)	MSA12A-ND	3.02	229.10	1036.75	152212-0100-GB
20	.99 (25.1)	MSA20A-ND	4.16	316.00	1400.00	152220-0100-GB
26	1.22 (31.0)	MSA26A-ND	3.97	301.78	1337.00	152226-0100-GB
40	1.77 (45.0)	MSA40A-ND	4.16	316.00	1400.00	152240-0100-GB
44	1.93 (49.0)	MSA44A-ND	4.26	323.90	1465.75	152244-0100-GB
50	2.17 (55.0)	MSA50A-ND	4.35	330.22	1494.35	152250-0100-GB
IDC Sockets Gold with Strain Relief						
10	.59 (15.0)	MSE10A-ND	3.45	262.28	1186.90	152210-0103-GB
12	.67 (17.0)	MSE12A-ND	3.64	276.50	1251.25	152212-0103-GB
20	.99 (25.1)	MSE20A-ND	3.60	273.34	1211.00	152220-0103-GB
26	1.22 (31.0)	MSE26A-ND	4.49	341.28	1512.00	152226-0103-GB
40	1.77 (45.0)	MSE40A-ND	4.58	347.60	1540.00	152240-0103-GB
44	1.93 (49.0)	MSE44A-ND	4.80	364.98	1651.65	152244-0103-GB
50	2.17 (55.0)	MSE50A-ND	4.89	371.30	1680.25	152250-0103-GB
IDC Sockets Gold, with Center Polarizing Bump						
10	.59 (15.0)	MTA10A-ND	2.97	225.94	1001.00	152210-0110-GB
12	.67 (17.0)	MTA12A-ND	3.02	229.10	1015.00	152212-0110-GB
20	.99 (25.1)	MTA20A-ND	3.31	251.22	1113.00	152220-0110-GB
26	1.22 (31.0)	MTA26A-ND	3.97	301.78	1337.00	152226-0110-GB
40	1.77 (45.0)	MTA40A-ND	4.08	309.68	1372.00	152240-0110-GB
44	1.93 (49.0)	MTA44A-ND	4.26	323.90	1435.00	152244-0110-GB
50	2.17 (55.0)	MTA50A-ND	4.35	330.22	1463.00	152250-0110-GB
IDC Sockets Gold, with Center Polarizing Bump, with Strain Relief						
10	.59 (15.0)	MTE10A-ND	3.45	262.28	1182.00	152210-0113-GB
12	.67 (17.0)	MTE12A-ND	3.64	276.50	1225.00	152212-0113-GB
20	.99 (25.1)	MTE20A-ND	5.10	387.10	1715.00	152220-0113-GB
26	1.22 (31.0)	MTE26A-ND	4.49	341.28	1512.00	152226-0113-GB
40	1.77 (45.0)	MTE40A-ND	5.97	453.46	2009.00	152240-0113-GB
44	1.93 (49.0)	MTE44A-ND	4.80	364.98	1617.00	152244-0113-GB
50	2.17 (55.0)	MTE50A-ND	4.89	371.30	1645.00	152250-0113-GB
Strain Reliefs						
10	—	MMMR10-ND	.52	39.50	178.75	3448-152210
12	—	MMMR12-ND	.63	63.20	286.00	3448-152212
20	—	MMMR20-ND	.54	41.08	185.90	3448-152220
26	—	MMMR26-ND	1.02	77.42	350.35	3448-152226
40	—	MMMR40-ND	.94	71.10	321.75	3448-152240
44	—	MMMR44-ND	.33	25.28	114.40	3448-152244
50	—	MMMR50-ND	1.08	82.16	371.80	3448-152250
Keying plug (Strip of 10) MMR01-ND 2.08 158.00 715.00 3435-152200						

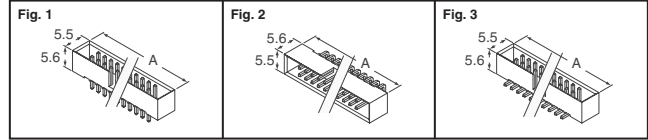
100m reel quantity may contain splices. Splice position will be marked on the reel.

No. of Pos.	Digi-Key Part No.	(NOTE: "X" in Part No. Represents No. of Meters)				3M Part No.	
		5	10	25	50		
Ribbon Cable Gray (1mm Pitch)							
10	MC10L-X-ND	7.78	14.46	32.25	55.60	88.96	3625/10 100M
12	MC12L-X-ND	9.34	17.35	38.70	66.73	106.76	3625/12 100M
44	MC44L-X-ND	34.25	63.61	141.90	244.66	391.46	3625/44 100M
50	MC50L-X-ND	38.92	72.29	161.25	278.03	444.84	3625/50 100M

NEW! 2mm Headers



Physical Specifications: • **Insulation Material:** High Temperature Thermoplastic • **Flammability:** UL 94V-0 • **Color:** Black
Underplating: 1.25-2.5µm (100µ") Nickel • **Wiping Area:** 0.25µm (10µ") Gold • **Solder Tail Area:** 1-3µm (40-118µ") Matte Tin
Electrical Specifications: • **Current Rating:** 1 Amp • **Withstanding Voltage:** 1000VDC
Environmental Specifications: • **Temperature Range:** -40°C - 105°C • **Processing Temperature:** Max: 260°C (Profile per J-STD-020C)
 Dimensions: mm

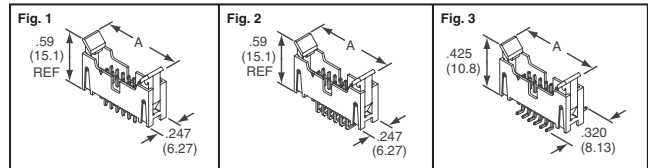


No. of Pos.	Dim. A Inch (mm)	Digi-Key Part No.	Price Each			3M Part No.
			1	100	500	
Fig. 1 — Vertical Thru-Hole						
10	0.677 (17.2)	3M6474-ND	1.71	1.30	1.18	957210-6002-AR
12	0.756 (19.2)	3M6475-ND	1.75	1.33	1.21	957212-6002-AR
20	1.07 (27.2)	3M6476-ND	1.98	1.51	1.36	957220-6002-AR
26	1.31 (33.2)	3M6477-ND	2.35	1.79	1.62	957226-6002-AR
40	1.86 (47.2)	3M6478-ND	3.60	2.74	2.48	957240-6002-AR
44	2.02 (51.2)	3M6479-ND	3.95	3.01	2.72	957244-6002-AR
50	2.25 (57.2)	3M6480-ND	4.49	3.42	3.09	957250-6002-AR
Fig. 2 — Right Angle Thru-Hole						
10	0.677 (17.2)	3M6481-ND	1.87	1.43	1.29	957210-5002-AR
12	0.756 (19.2)	3M6482-ND	1.93	1.47	1.33	957212-5002-AR
20	1.07 (27.2)	3M6483-ND	2.16	1.65	1.49	957220-5002-AR
26	1.31 (33.2)	3M6484-ND	2.58	1.96	1.78	957226-5002-AR
40	1.86 (47.2)	3M6485-ND	3.95	3.01	2.72	957240-5002-AR
44	2.02 (51.2)	3M6486-ND	4.35	3.31	2.99	957244-5002-AR
50	2.25 (57.2)	3M6487-ND	4.93	3.75	3.39	957250-5002-AR
Fig. 3 — Vertical Surface Mount						
10	0.677 (17.2)	3M6488-ND	2.06	1.57	1.42	957210-2000-AR-TP
12	0.756 (19.2)	3M6489-ND	2.10	1.60	1.45	957212-2000-AR-TP
20	1.07 (27.2)	3M6490-ND	2.37	1.81	1.64	957220-2000-AR-TP
26	1.31 (33.2)	3M6491-ND	2.81	2.14	1.94	957226-2000-AR-TP
40	1.86 (47.2)	3M6492-ND	4.31	3.28	2.97	957240-2000-AR-TP
44	2.02 (51.2)	3M6493-ND	4.74	3.61	3.27	957244-2000-AR-TP
50	2.25 (57.2)	3M6494-ND	5.39	4.10	3.71	957250-2000-AR-TP

2mm Latch / Eject Headers



Features: • Latch/Eject mechanism maintains a secure connection • Roll pins retain latches to body in shipping and high vibration environments • Ejector helps make removal of assemblies easy • Latch design helps resist breakage during eject
High Temperature Insulators: suitable for lead free processing and meet JEDEC J-STD-020C
Specifications: • **Insulation Material:** Glass filled Polyester (PCT) • **Flammability:** UL94V-0 • **Contact Material:** Copper Alloy • **Underplating:** 50µm (1.27µm) Nickel • **Wiping area:** 30µm (0.76µm) Gold • **Solder Tails:** 200µm (5.0µm) Matte Tin
Color: Black • **Current Rating:** 1 Amp • **Temperature Rating:** -55°C - 105°C
 Dimensions: Inches (mm)



No. of Contacts	Dim. A Inch (mm)	Solder Tail Length Inch (mm)	Digi-Key Part No.	Price Each			3M Part No.
				1	100	500	
Fig. 1 — Vertical Thru-Hole							
10	.83 (21.1)	.112 (2.84)	3M5082-ND	4.60	3.50	3.17	155210-6302-RB
10	.83 (21.1)	.155 (3.94)	3M5083-ND	4.60	3.50	3.17	155210-6303-RB
12	.91 (23.1)	.112 (2.84)	3M5087-ND	3.87	2.94	2.66	155212-6302-RB
12	.91 (23.1)	.155 (3.94)	3M5088-ND	3.87	2.94	2.66	155212-6303-RB
20	1.22 (31.09)	.112 (2.84)	3M5092-ND	5.32	4.05	3.67	155220-6302-RB
20	1.22 (31.09)	.155 (3.94)	3M5093-ND	5.32	4.05	3.67	155220-6303-RB
26	1.46 (37.1)	.112 (2.84)	3M5097-ND	6.28	4.78	4.32	155226-6302-RB
26	1.46 (37.1)	.155 (3.94)	3M5098-ND	6.28	4.78	4.32	155226-6303-RB
40	2.01 (51.1)	.112 (2.84)	3M5102-ND	9.65	7.34	6.64	155240-6302-RB
40	2.01 (51.1)	.155 (3.94)	3M5103-ND	9.65	7.34	6.64	155240-6303-RB
44	2.17 (55.09)	.112 (2.84)	3M5107-ND	10.61	8.06	7.30	155244-6302-RB
44	2.17 (55.09)	.155 (3.94)	3M5108-ND	10.61	8.06	7.30	155244-6303-RB
50	2.41 (61.09)	.112 (2.84)	3M5112-ND	12.06	9.17	8.30	155250-6302-RB
50	2.41 (61.09)	.155 (3.94)	3M5113-ND	12.06	9.17	8.30	155250-6303-RB
Fig. 2 — Right Angle							
10	.83 (21.1)	.112 (2.84)	3M5080-ND	5.05	3.84	3.48	155210-5302-RB
10	.83 (21.1)	.155 (3.94)	3M5081-ND	5.05	3.84	3.48	155210-5303-RB
12	.91 (23.1)	.112 (2.84)	3M5085-ND	4.14	3.15	2.85	155212-5302-RB
12	.91 (23.1)	.155 (3.94)	3M5086-ND	4.14	3.15	2.85	155212-5303-RB
20	1.22 (31.09)	.112 (2.84)	3M5090-ND	5.87	4.46	4.04	155220-5302-RB
20	1.22 (31.09)	.155 (3.94)	3M5091-ND	5.87	4.46	4.04	155220-5303-RB
26	1.46 (37.1)	.112 (2.84)	3M5095-ND	6.93	5.27	4.77	155226-5302-RB
26	1.46 (37.1)	.155 (3.94)	3M5096-ND	6.93	5.27	4.77	155226-5303-RB
40	2.01 (51.1)	.112 (2.84)	3M5100-ND	10.65	8.09	7.33	155240-5302-RB
40	2.01 (51.1)	.155 (3.94)	3M5101-ND	10.65	8.09	7.33	155240-5303-RB
44	2.17 (55.09)	.112 (2.84)	3M5105-ND	11.71	8.90	8.06	155244-5302-RB
44	2.17 (55.09)	.155 (3.94)	3M5106-ND	11.71	8.90	8.06	155244-5303-RB
50	2.41 (61.09)	.112 (2.84)	3M5110-ND	13.31	10.12	9.16	155250-5302-RB
50	2.41 (61.09)	.155 (3.94)	3M5111-ND	13.31	10.12	9.16	155250-5303-RB
Fig. 3 — Vertical Surface Mount							
10	.83 (21.1)	—	3M5079-ND	5.97	4.54	4.11	155210-2300-RB
12	.91 (23.1)	—	3M5084-ND	4.91	3.73	3.38	155212-2300-RB
20	1.22 (31.09)	—	3M5089-ND	6.91	5.25	4.75	155220-2300-RB
26	1.46 (37.1)	—	3M5094-ND	8.17	6.21	5.62	155226-2300-RB
40	2.01 (51.1)	—	3M5099-ND	12.56	9.55	8.64	155240-2300-RB
44	2.17 (55.09)	—	3M5104-ND				

3M 2mm Mini-Clamp Plugs and Sockets



Features: • Provides even quality • Reduces maintenance work by providing higher connection reliability • Reduces waste • Operation by general tool "pliers" reduces tooling cost • Latch enabled rugged field termination • **Physical Specifications:** • Material: Glass reinforced thermoplastic body & lower cover, transparent thermoplastic cover • Flammability: UL 94V-0 • Underplating: 100µ" (2.54µm) nickel • Wiping area: 8µ" (0.2µm) minimum gold with lubricant
Electrical Specifications: • Current Rating: 3A • Voltage Rating: 32V • Temperature Rating: -20°C - 85°C

Fig.	No. of Pos.	Dim. A mm
Fig. 1 - Wiremount Plug	3	12.9
	4	14.9
Fig. 2 - Boardmount Plug, Single Row	3	13.8
	4	15.8
Fig. 3 - Boardmount Plug, Multiple Row	3	13.8
	4	15.8
Fig. 4 - Wiremount Socket	3 (without latch)	13.8
	3 (with latch)	23.4
	4 (without latch)	15.8
	4 (with latch)	25.4

Fig.	No. of Pos.	AWG	Wire Ins. Dia. - mm	Cover Color	Digi-Key Part No.	Price Each		3M Part No.		
						1	50			
1	3	20-22	1.0-1.2	Green	3M5704-ND	2.00	1.87	1.74	37103-2124-000 FL 500	
		20-24	1.0-1.2	Green	3M9003-ND NEW!	2.21	2.06	1.92	37103-A124-00E MB	
		20-22	1.2-1.6	Blue	3M5705-ND	2.00	1.87	1.74	37103-2165-000 FL 500	
		20-24	1.2-1.6	Blue	3M9004-ND NEW!	2.21	2.06	1.92	37103-A165-00E MB	
		20-22	1.6-2.0	Gray	3M5706-ND	2.00	1.87	1.74	37103-2206-000 FL 500	
		20-24	1.6-2.0	Gray	3M9005-ND NEW!	2.21	2.06	1.92	37103-A206-00E MB	
	4	20-24	0.8-1.0	Red	3M5707-ND	2.00	1.87	1.74	37103-3101-000 FL 500	
		20-24	0.8-1.0	Red	3M9006-ND NEW!	2.21	2.06	1.92	37103-B101-00E MB	
		20-24	1.0-1.2	Yellow	3M5708-ND	2.00	1.87	1.74	37103-3122-000 FL 500	
		20-24	1.0-1.2	Yellow	3M9007-ND NEW!	2.21	2.06	1.92	37103-B122-00E MB	
		20-26	1.2-1.6	Orange	3M5709-ND	2.00	1.87	1.74	37103-3163-000 FL 500	
		20-26	1.2-1.6	Orange	3M9008-ND NEW!	2.21	2.06	1.92	37103-B163-00E MB	
2	3	20-22	1.0-1.2	Green	3M5710-ND	2.32	2.17	2.01	37104-2124-000 FL 500	
		20-24	1.0-1.2	Green	3M9009-ND NEW!	2.63	2.46	2.29	37104-A124-00E MB	
		20-22	1.2-1.6	Blue	3M5711-ND	2.32	2.17	2.01	37104-2165-000 FL 500	
		20-24	1.2-1.6	Blue	3M9010-ND NEW!	2.63	2.46	2.29	37104-A165-00E MB	
		20-22	1.6-2.0	Gray	3M5712-ND	2.32	2.17	2.01	37104-2206-000 FL 500	
		20-24	1.6-2.0	Gray	3M9011-ND NEW!	2.63	2.46	2.29	37104-A206-00E MB	
	4	20-24	0.8-1.0	Red	3M5713-ND	2.32	2.17	2.01	37104-3101-000 FL 500	
		20-24	0.8-1.0	Red	3M9012-ND NEW!	2.63	2.46	2.29	37104-B101-00E MB	
		20-24	1.0-1.2	Yellow	3M5714-ND	2.32	2.17	2.01	37104-3122-000 FL 500	
		20-24	1.0-1.2	Yellow	3M9013-ND NEW!	2.63	2.46	2.29	37104-B122-00E MB	
		20-26	1.2-1.6	Orange	3M5715-ND	2.32	2.17	2.01	37104-3163-000 FL 500	
		20-26	1.2-1.6	Orange	3M9014-ND NEW!	2.63	2.46	2.29	37104-B163-00E MB	
3	3	—	—	—	3M5700-ND‡	1.49	1.39	1.29	37203-62A3-003PL	
		—	—	—	3M5701-ND‡	1.49	1.39	1.29	37203-62B3-003PL	
		—	—	—	3M5702-ND‡	1.69	1.58	1.47	37204-62A3-004PL	
	4	—	—	—	3M5703-ND‡	1.69	1.58	1.47	37204-62B3-004PL	
		—	—	—	3M5716-ND‡§	3.42	3.20	2.97	37208-62A3-004PL	
		—	—	—	3M5717-ND‡	2.95	2.76	2.56	37212-62M3-003PL	
	3x4	—	—	—	3M5718-ND‡	2.95	2.76	2.56	37216-62M3-004PL	
		—	—	—	3M5719-ND‡	2.16	2.02	1.88	37303-2124-000 FL 500	
		—	—	—	3M5720-ND‡	2.25	2.10	1.95	37303-2124-000 FL 500	
	4	3	20-24	1.0-1.62	Green	3M9015-ND NEW!	2.36	2.21	2.05	37303-A124-00E MB
			20-22	1.0-1.62	Green	3M5720-ND‡	2.25	2.10	1.95	37303-2124-000 FL 500
			20-24	1.0-1.62	Green	3M9016-ND NEW!	2.48	2.31	2.15	37303-A124-00E MB
20-22			1.2-1.6	Blue	3M5721-ND‡	2.16	2.02	1.88	37303-2165-000 FL 500	
20-24			1.2-1.6	Blue	3M9017-ND NEW!	2.36	2.21	2.05	37303-A165-00E MB	
20-22			1.2-1.6	Blue	3M5722-ND‡	2.25	2.10	1.95	37303-2165-000 FL 500	
4		20-24	1.2-1.6	Blue	3M9018-ND NEW!	2.48	2.31	2.15	37303-A165-00E MB	
		20-22	1.6-2.0	Gray	3M5723-ND‡	2.16	2.02	1.88	37303-2206-000 FL 500	
		20-24	1.6-2.0	Gray	3M9019-ND NEW!	2.36	2.21	2.05	37303-A206-00E MB	
		20-22	1.6-2.0	Gray	3M5724-ND‡	2.25	2.10	1.95	37303-2206-000 FL 500	
		20-24	1.6-2.0	Gray	3M9020-ND NEW!	2.48	2.31	2.15	37303-A206-00E MB	
		20-24	1.6-2.0	Gray	3M5725-ND‡	2.16	2.02	1.88	37303-3101-000 FL 500	
5	3	20-26	0.8-1.0	Red	3M9021-ND NEW!	2.36	2.21	2.05	37303-B101-00E MB	
		20-26	0.8-1.0	Red	3M5726-ND‡	2.25	2.10	1.95	37303-3101-000 FL 500	
		20-24	0.8-1.0	Red	3M9022-ND NEW!	2.48	2.31	2.15	37303-B101-00E MB	
		20-26	1.0-1.62	Yellow	3M5727-ND‡	2.16	2.02	1.88	37303-3122-000 FL 500	
		20-24	1.0-1.62	Yellow	3M9023-ND NEW!	2.36	2.21	2.05	37303-B122-00E MB	
		20-26	1.0-1.62	Yellow	3M5728-ND‡	2.25	2.10	1.95	37303-3122-000 FL 500	
	4	20-26	1.0-1.62	Yellow	3M9024-ND NEW!	2.48	2.31	2.15	37303-B122-00E MB	
		20-26	1.2-1.6	Orange	3M5729-ND	2.16	2.02	1.88	37303-3163-000 FL 500	
		20-26	1.2-1.6	Orange	3M9025-ND NEW!	2.36	2.21	2.05	37303-B163-00E MB	
		20-26	1.2-1.6	Orange	3M5730-ND‡	2.48	2.31	2.15	37303-3163-000 FL 500	
		20-26	1.2-1.6	Orange	3M9026-ND NEW!	2.48	2.31	2.15	37303-B163-00E MB	
		20-22	1.0-1.62	Green	3M5731-ND	2.52	2.36	2.19	37304-2124-000 FL 500	
6	3	20-24	1.0-1.2	Yellow	3M9027-ND NEW!	2.84	2.65	2.46	37304-A124-00E MB	
		20-22	1.0-1.62	Green	3M5732-ND‡	2.63	2.46	2.29	37304-2124-000 FL 500	
		20-24	1.0-1.2	Yellow	3M9028-ND NEW!	2.95	2.76	2.56	37304-A124-00E MB	
		20-22	1.2-1.6	Blue	3M5733-ND	2.52	2.36	2.19	37304-2165-000 FL 500	
		20-24	1.2-1.6	Blue	3M9029-ND NEW!	2.84	2.65	2.46	37304-A165-00E MB	
		20-22	1.2-1.6	Blue	3M5734-ND‡	2.63	2.46	2.29	37304-2165-000 FL 500	
	4	20-24	1.2-1.6	Blue	3M9030-ND NEW!	2.95	2.76	2.56	37304-A165-00E MB	
		20-22	1.6-2.0	Gray	3M5735-ND	2.52	2.36	2.19	37304-2206-000 FL 500	
		20-24	1.6-2.0	Gray	3M9031-ND NEW!	2.84	2.65	2.46	37304-A206-00E MB	
		20-22	1.6-2.0	Gray	3M5736-ND‡	2.63	2.46	2.29	37304-2206-000 FL 500	
		20-24	1.6-2.0	Gray	3M9032-ND NEW!	2.95	2.76	2.56	37304-A206-00E MB	
		20-26	0.8-1.0	Red	3M5737-ND	2.52	2.36	2.19	37304-3101-000 FL 500	
7	3	20-26	0.8-1.0	Red	3M9033-ND NEW!	2.84	2.65	2.46	37304-B101-00E MB	
		20-26	0.8-1.0	Red	3M5738-ND‡	2.63	2.46	2.29	37304-3101-000 FL 500	
		20-26	0.8-1.0	Red	3M9034-ND NEW!	2.95	2.76	2.56	37304-B101-00E MB	
		20-26	1.0-1.62	Yellow	3M5739-ND	2.52	2.36	2.19	37304-3122-000 FL 500	
		20-26	1.0-1.62	Yellow	3M9035-ND NEW!	2.84	2.65	2.46	37304-B122-00E MB	
		20-26	1.0-1.62	Yellow	3M5740-ND‡	2.63	2.46	2.29	37304-3122-000 FL 500	
	4	20-26	1.0-1.62	Yellow	3M9036-ND NEW!	2.95	2.76	2.56	37304-B122-00E MB	
		20-26	1.2-1.6	Orange	3M5741-ND	2.52	2.36	2.19	37304-3163-000 FL 500	
		20-26	1.2-1.6	Orange	3M9037-ND NEW!	2.84	2.65	2.46	37304-B163-00E MB	
		20-26	1.2-1.6	Orange	3M5742-ND‡	2.63	2.46	2.29	37304-3163-000 FL 500	
		20-26	1.2-1.6	Orange	3M9038-ND NEW!	2.95	2.76	2.56	37304-B163-00E MB	
		20-26	1.2-1.6	Orange	3M5743-ND‡	2.63	2.46	2.29	37304-3163-000 FL 500	

† With Latch ‡ See Digi-Key website for PCB footprint type § 3M5716 Dim. = 12.9

NEW! CHG Series .100" Wiremount Sockets



Features: • Twin slot IDC provides four points of contact • Exclusive L/H 4-wire contact • 3435-0 keying plus is optional • Accepts discrete wire or notched ribbon cable **Single Row Features:** • One row, side-to-side stackable • Mates to 3M one row pin strip headers **Double Row Features:** • Military/DIN 41612 compatibility • Two row, polarized body • Mates to 3M long latch/eject headers and plugs
Specifications: Physical Specifications: • Insulation Material: Glass Filled Polyester (PBT) • Insulation Flammability: UL 94V-0 • Insulation Color: Gray • Contact Material: Copper Alloy • Plating Wire Area: 30µ" (0.76µm) Gold • Underplating and U-Slot: 100µ" (2.54µm) Nickel **Electrical Specifications:** • Current Rating: 22-24 AWG: 2A; 26-28 AWG: 1.5A • Insulation Resistance: >1x10⁹Ω at 500VDC • Withstanding Voltage: 1000 VRMS at Sea Level **Environmental Specifications:** • Temperature Rating: -55°C - 105°C

Fig.	No. of Positions	Dim. in mm	AWG	Digi-Key Part No.	Price Each	3M Part No.
Fig. 1	3 (without latch)	13.8				
	3 (with latch)	23.4				
Fig. 2	4 (without latch)	15.8				
	4 (with latch)	25.4				

Fig.	No. of Positions	Dim. in mm	AWG	Digi-Key Part No.	Price Each		3M Part No.	
					1	50		
Single Row								
1	2	5.72	26-28	3M9064-ND	1.06	.99	.92	CHG-1002-001010-KCP
	2	5.72	22-24	3M9065-ND	1.92	.87	.80	CHG-1002-001010-KEP
	3	8.26	26-28	3M9066-ND	1.96	1.83	1.70	CHG-1003-001010-KCP
	3	8.26	22-24	3M9067-ND	2.14	2.00	1.86	CHG-1003-001010-KEP
	4	10.80	26-28	3M9068-ND	2.12	1.98	1.84	CHG-1004-001010-KCP
	4	10.80	22-24	3M9069-ND	1.91	1.79	1.66	CHG-1004-001010-KEP
	5	13.34	26-28	3M9070-ND	2.66	2.48	2.31	CHG-1005-001010-KCP
	5	13.34	22-24	3M9071-ND	3.06	2.86	2.66	CHG-1005-001010-KEP
	6	15.88	26-28	3M9072-ND	3.17	2.97	2.75	CHG-1006-001010-KCP
	6	15.88	22-24	3M9073-ND	2.97	2.78	2.58	CHG-1006-001010-KEP
	7	18.42	26-28	3M9074-ND	3.69	3.45	3.20	CHG-1007-001010-KCP
	7	18.42	22-24	3M9075-ND	3.69	3.45	3.20	CHG-1007-001010-KEP
	8	20.96	26-28	3M9076-ND	4.23	3.95	3.67	CHG-1008-001010-KCP
	8	20.96	22-24	3M9077-ND	4.23	3.95	3.67	CHG-1008-001010-KEP
9	23.50	26-28	3M9078-ND	3.76	3.51	3.26	CHG-1009-001010-KCP	
9	23.50	22-24	3M					