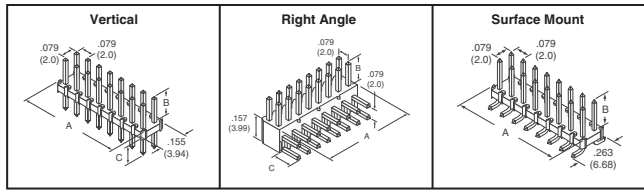




2mm x 2mm Pin Strip Headers

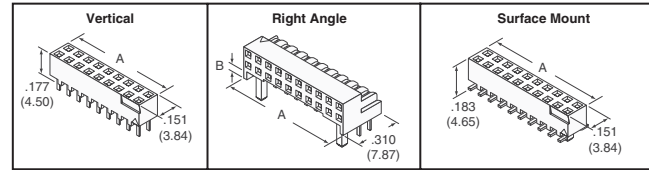


Features: • Industry standard compatible • High temperature dielectric • IR, vapor and wave solder compatible • Straight Solder Tail • Maximizes use of PC board space • Mates with boardmount and wiremount products • End stackable feature • Side stackable feature
Physical Specifications: • Contact Plating: • 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 10⁹Ω @ 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 10⁹Ω @ 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 150244-5202-R