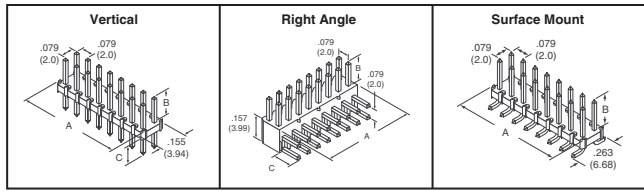




2mm x 2mm Pin Strip Headers

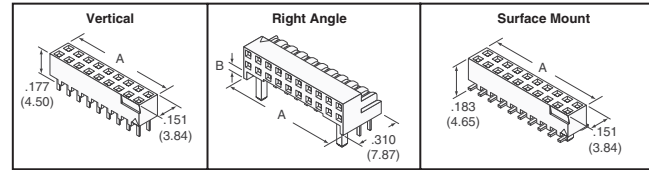


Features: • Industry standard compatible • High temperature dielectric • IR, vapor and wave solder compatible • Straight Solder Tail • Maximizes use of PC board space • Mates with boardmount and wiremount products • End stackable feature • Side stackable feature **Physical Specifications:** • Contact 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 | .81 | 151208-8422-TB |
| 10 | .374 (9.5) | .152 (3.86) | .118 (3.0) | 3M1110-ND | 1.31 | 151210-8422-TB |
| 12 | .453 (11.5) | .152 (3.86) | .118 (3.0) | 3M1112-ND | .98 | 151212-8422-TB |
| 20 | .768 (19.5) | .152 (3.86) | .118 (3.0) | 3M1120-ND | 1.31 | 151220-8422-TB |
| 24 | .925 (23.5) | .152 (3.86) | .118 (3.0) | 3M1124-ND | 1.51 | 151224-8422-TB |
| 40 | 1.556 (39.5) | .152 (3.86) | .118 (3.0) | 3M1140-ND | 2.07 | 151240-8422-TB |
| 44 | 1.714 (43.5) | .152 (3.86) | .118 (3.0) | 3M1144-ND | 2.22 | 151244-8422-TB |
| 50 | 1.950 (49.5) | .152 (3.86) | .118 (3.0) | 3M1150-ND | 2.45 | 151250-8422-TB |
| 60 | 2.344 (59.5) | .152 (3.86) | .118 (3.0) | 3M1160-ND | 2.82 | 151260-8422-TB |
| Vertical (Black) — RoHS Compliant | | | | | | |
| 8 | .295 (7.5) | .152 (3.86) | .118 (3.0) | 3M1408-ND | .67 | 151208-8422-RB |
| 8 | .295 (7.5) | .152 (3.86) | .059 (1.5) | 3M5353-ND | 1.21 | 92 |
| 10 | .374 (9.5) | .152 (3.86) | .118 (3.0) | 3M1410-ND | .73 | 56 |
| 10 | .374 (9.5) | .130 (3.30) | .118 (3.0) | 3M5356-ND | .73 | 56 |
| 12 | .453 (11.5) | .152 (3.86) | .118 (3.0) | 3M1412-ND | .80 | 61 |
| 14 | .531 (13.5) | .152 (3.86) | .118 (3.0) | 3M5358-ND | .88 | 67 |
| 16 | .611 (15.5) | .152 (3.86) | .118 (3.0) | 3M5362-ND | .97 | 74 |
| 20 | .768 (19.5) | .152 (3.86) | .118 (3.0) | 3M1420-ND | 1.07 | 82 |
| 20 | .768 (19.5) | .130 (3.30) | .059 (1.5) | 3M5365-ND | 1.65 | 126 |
| 20 | .768 (19.5) | .130 (3.30) | .118 (3.0) | 3M5366-ND | 1.07 | 82 |
| 24 | .925 (23.5) | .152 (3.86) | .118 (3.0) | 3M1424-ND | 1.24 | 95 |
| 26 | 1.005 (25.5) | .130 (3.30) | .118 (3.0) | 3M5370-ND | 1.30 | 99 |
| 30 | 1.162 (29.5) | .152 (3.86) | .118 (3.0) | 3M1430-ND | 1.42 | 108 |
| 40 | 1.556 (39.5) | .152 (3.86) | .118 (3.0) | 3M1440-ND | 1.69 | 129 |
| 40 | 1.556 (39.5) | .130 (3.30) | .118 (3.0) | 3M5373-ND | 1.69 | 129 |
| 44 | 1.714 (43.5) | .152 (3.86) | .118 (3.0) | 3M1444-ND | 1.83 | 139 |
| 44 | 1.714 (43.5) | .130 (3.30) | .118 (3.0) | 3M5375-ND | 1.83 | 139 |
| 50 | 1.950 (49.5) | .152 (3.86) | .118 (3.0) | 3M1450-ND | 2.01 | 153 |
| 50 | 1.950 (49.5) | .130 (3.30) | .118 (3.0) | 3M5377-ND | 2.01 | 153 |
| 60 | 2.344 (59.5) | .152 (3.86) | .118 (3.0) | 3M5381-ND | 2.32 | 177 |
| Right Angle (Natural) | | | | | | |
| 8 | .295 (7.5) | .152 (3.86) | .118 (3.0) | 3M1208-ND | .53 | 41 |
| 10 | .374 (9.5) | .152 (3.86) | .118 (3.0) | 3M1210-ND | .59 | 45 |
| 12 | .453 (11.5) | .152 (3.86) | .118 (3.0) | 3M1212-ND | .65 | 45 |
| 20 | .768 (19.5) | .152 (3.86) | .118 (3.0) | 3M1220-ND | .89 | 68 |
| 24 | .925 (23.5) | .152 (3.86) | .118 (3.0) | 3M1224-ND | 1.01 | 77 |
| 30 | 1.162 (29.5) | .152 (3.86) | .118 (3.0) | 3M1230-ND | 1.18 | 90 |
| 50 | 1.950 (49.5) | .152 (3.86) | .118 (3.0) | 3M1250-ND | 1.75 | 134 |
| Right Angle (Black) — RoHS Compliant | | | | | | |
| 8 | .295 (7.5) | .152 (3.86) | .118 (3.0) | 3M1508-ND | .46 | 36 |
| 10 | .374 (9.5) | .152 (3.86) | .118 (3.0) | 3M1510-ND | .52 | 39 |
| 10 | .374 (9.5) | .130 (3.30) | .118 (3.0) | 3M5355-ND | .73 | 56 |
| 12 | .453 (11.5) | .152 (3.86) | .118 (3.0) | 3M1512-ND | .57 | 44 |
| 12 | .453 (11.5) | .130 (3.30) | .118 (3.0) | 3M5357-ND | .59 | 45 |
| 16 | .611 (15.5) | .152 (3.86) | .118 (3.0) | 3M5361-ND | .63 | 49 |
| 18 | .689 (17.5) | .130 (3.30) | .118 (3.0) | 3M5363-ND | .76 | 58 |
| 20 | .768 (19.5) | .152 (3.86) | .118 (3.0) | 3M1520-ND | .81 | 62 |
| 24 | .925 (23.5) | .152 (3.86) | .118 (3.0) | 3M1524-ND | 1.05 | 80 |
| 26 | 1.005 (25.5) | .152 (3.86) | .118 (3.0) | 3M5369-ND | 1.13 | 87 |
| 30 | 1.162 (29.5) | .152 (3.86) | .118 (3.0) | 3M1530-ND | .97 | 74 |
| 32 | 1.240 (31.5) | .130 (3.30) | .118 (3.0) | 3M5371-ND | 1.10 | 84 |
| 36 | 1.398 (35.5) | .130 (3.30) | .118 (3.0) | 3M5372-ND | 1.19 | 91 |
| 40 | 1.556 (39.5) | .152 (3.86) | .118 (3.0) | 3M1540-ND | 1.51 | 115 |
| 44 | 1.714 (43.5) | .152 (3.86) | .118 (3.0) | 3M1544-ND | 1.37 | 105 |
| 44 | 1.714 (43.5) | .130 (3.30) | .059 (1.5) | 3M5374-ND | 1.96 | 150 |
| 50 | 1.950 (49.5) | .152 (3.86) | .118 (3.0) | 3M1550-ND | 1.51 | 115 |
| 60 | 2.344 (59.5) | .152 (3.86) | .118 (3.0) | 3M2360-ND | 1.72 | 131 |
| Surface Mount (Black) — RoHS Compliant | | | | | | |
| 4 | .139 (3.5) | .130 (3.30) | — | 3M5350-ND | .49 | 37 |
| 8 | .295 (7.5) | .130 (3.30) | — | 3M5351CT-ND† | 1.33 | 1.01 |
| 8 | .295 (7.5) | .152 (3.86) | — | 3M5352CT-ND† | 1.40 | 1.07 |
| 8 | .295 (7.5) | .152 (3.86) | — | 3M5353TR-ND† | 241.38/250 | — |
| 10 | .374 (9.5) | .152 (3.86) | — | 3M5354CT-ND† | 1.47 | 1.12 |
| 10 | .374 (9.5) | .152 (3.86) | — | 3M5354TR-ND† | 251.76/250 | — |
| 16 | .611 (15.5) | .130 (3.30) | — | 3M5359-ND | .97 | 74 |
| 16 | .611 (15.5) | .152 (3.86) | — | 3M5360-ND | .97 | 74 |
| 16 | .611 (15.5) | .152 (3.86) | — | 3M5360CT-ND† | 1.54 | 1.17 |
| 16 | .611 (15.5) | .152 (3.86) | — | 3M5360TR-ND† | 529.47/500 | — |
| 20 | .768 (19.5) | .152 (3.86) | — | 3M5364-ND | 1.07 | 82 |
| 22 | .847 (21.5) | .152 (3.86) | — | 3M5367-ND | .99 | 76 |
| 26 | 1.005 (25.5) | .152 (3.86) | — | 3M5368CT-ND† | 1.68 | 1.28 |
| 26 | 1.005 (25.5) | .152 (3.86) | — | 3M5368TR-ND† | 288.10/250 | — |
| 50 | 1.95 (49.5) | .152 (3.86) | — | 3M5376CT-ND† | 2.39 | 1.82 |
| 50 | 1.95 (49.5) | .152 (3.86) | — | 3M5376TR-ND† | 820.16/500 | — |
| 60 | 2.344 (59.5) | .130 (3.30) | — | 3M5378-ND | 2.32 | 1.77 |
| 60 | 2.344 (59.5) | .152 (3.86) | — | 3M5379-ND | 2.32 | 1.77 |

† 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 | | 1 | 100 | 500 | |
| Vertical (Natural) | | | | | | | |
| 8 | .310 (8.0) | — | 3M1008-ND | 1.45 | 1.11 | 1.00 | 150208-6002-TB |
| 10 | .389 (10.0) | — | 3M1010-ND | 1.51 | 1.15 | 1.04 | 150210-6002-TB |
| 20 | .782 (20.0) | — | 3M1020-ND | 1.78 | 1.36 | 1.23 | 150220-6002-TB |
| 24 | .940 (24.0) | — | 3M1024-ND | 1.89 | 1.44 | 1.30 | 150224-6002-TB |
| 30 | 1.176 (30.0) | — | 3M1030-ND | 2.04 | 1.55 | 1.41 | 150230-6002-TB |
| 40 | 1.570 (40.0) | — | 3M1040-ND | 2.31 | 1.76 | 1.59 | 150240-6002-TB |
| 44 | 1.727 (44.0) | — | 3M1044-ND | 2.43 | 1.85 | 1.68 | 150244-6002-TB |
| 50 | 1.964 (50.0) | — | 3M1050-ND | 2.58 | 1.97 | 1.78 | 150250-6002-TB |
| Vertical (Black) — RoHS Compliant | | | | | | | |
| 4 | .156 (4.0) | — | 3M5301-ND | 1.12 | .85 | .77 | 150204-6002-RB |
| 6 | .231 (6.0) | — | 3M5303-ND | 1.19 | .91 | .83 | 150206-6001-RB |
| 6 | .231 (6.0) | — | 3M5304-ND | 1.18 | .90 | .81 | 150206-6001-RB |
| 8 | .310 (8.0) | — | 3M1308-ND | 1.19 | .91 | .83 | 150208-6002-RB |
| 10 | .389 (10.0) | — | 3M1310-ND | 1.24 | .95 | .86 | 150210-6002-RB |
| 12 | .467 (12.0) | — | 3M1312-ND | 1.29 | .98 | .89 | 150212-6002-RB |
| 14 | .546 (14.0) | — | 3M5308-ND | 1.33 | 1.01 | .92 | 150214-6002-RB |
| 16 | .625 (16.0) | — | 3M5311-ND | 1.36 | 1.04 | .94 | 150216-6002-RB |
| 18 | .704 (18.0) | — | 3M5312-ND | 1.40 | 1.07 | .97 | 150218-6002-RB |
| 20 | .782 (20.0) | — | 3M1320-ND | 1.47 | 1.12 | 1.01 | 150220-6002-RB |
| 24 | .940 (24.0) | — | 3M1324-ND | 1.55 | 1.19 | 1.07 | 150224-6002-RB |
| 26 | 1.019 (26.0) | — | 3M5321-ND | 1.58 | 1.21 | 1.09 | 150226-6002-RB |
| 28 | 1.097 (28.0) | — | 3M5322-ND | 1.58 | 1.21 | 1.09 | 150228-6002-RB |
| 30 | 1.176 (30.0) | — | 3M1330-ND | 1.68 | 1.28 | 1.16 | 150230-6002-RB |
| 32 | 1.255 (32.0) | — | 3M5325-ND | 1.72 | 1.31 | 1.19 | 150232-6002-RB |
| 34 | 1.334 (34.0) | — | 3M5328-ND | 1.76 | 1.35 | 1.22 | 150234-6002-RB |
| 40 | 1.570 (40.0) | — | 3M1340-ND | 1.89 | 1.44 | 1.30 | 150240-6002-RB |
| 44 | 1.727 (44.0) | — | 3M1344-ND | 2.00 | 1.52 | 1.38 | 150244-6002-RB |
| 50 | 1.964 (50.0) | — | 3M1350-ND | 2.13 | 1.62 | 1.47 | 150250-6002-RB |
| 60 | 2.357 (60.0) | — | 3M1360-ND | 2.35 | 1.79 | 1.62 | 150260-6002-RB |
| Right Angle (Black) — RoHS Compliant | | | | | | | |
| 16 | .625 (16.0) | .015 (0.38) | 3M5310-ND | 3.69 | 2.80 | 2.54 | 150216-5002-RB |
| 24 | .940 (24.0) | .015 (0.38) | 3M5317-ND | 4.17 | 3.17 | 2.87 | 150224-5002-RB |
| 26 | 1.019 (26.0) | .015 (0.38) | 3M5320-ND | 4.01 | 3.06 | 2.77 | 150226-5002-RB |
| 34 | 1.334 (34.0) | .015 (0.38) | 3M5327-ND | 4.18 | 3.18 | 2.88 | 150234-5002-RB |
| 36 | 1.412 (36.0) | .015 (0.38) | 3M5329-ND | 4.31 | 3.27 | 2.96 | 150236-5002-RB |
| 40 | 1.570 (40.0) | .015 (0.38) | 3M5332-ND | 4.44 | 3.38 | 3.06 | 150240-5002-RB |
| 44 | 1.727 (44.0) | .015 (0.38) | 3M5334-ND | 4.52 | 3.43 | 3.11 | 150244-5002-RB |
| 44 | 1.727 (44.0) | .028 (0.71) | 3M5337-ND | 4.52 | 3.43 | 3.11 | 150244-5202-RB |
| 50 | 1.964 (50.0) | .015 (0.38) | 3M5341-ND | 4.71 | 3.58 | 3.24 | 150250-5002-RB |
| 50 | 1.964 (50.0) | .053 (1.35) | 3M5343-ND | 4.71 | 3.58 | 3.24 | 150250-5102-RB |
| 50 | 1.964 (50.0) | .028 (0.71) | 3M5345-ND | 4.71 | 3.58 | 3.24 | 150250-5202-RB |
| 60 | 2.357 (60.0) | .015 (0.38) | 3M5349-ND | 5.02 | 3.81 | 3.45 | 150260-5002-RB |
| Right Angle, with Board Locator Post (Black) — RoHS Compliant | | | | | | | |
| 20 | .782 (20.0) | .015 (0.38) | 3M5314-ND | 3.85 | 2.93 | 2.65 | 150220-5022-RB |
| 24 | .940 (24.0) | .015 (0.38) | 3M5318-ND | 4.17 | 3.17 | 2.87 | 150224-5022-RB |
| 44 | 1.727 (44.0) | .015 (0.38) | 3M5335-ND | 4.52 | 3.43 | 3.11 | 150244-5022-RB |
| 44 | 1.727 (44.0) | .053 (1.35) | 3M5336-ND | 4.52 | 3.43 | 3.11 | 150244-5122-RB |
| 44 | 1.727 (44.0) | .028 (0.71 | | | | | |