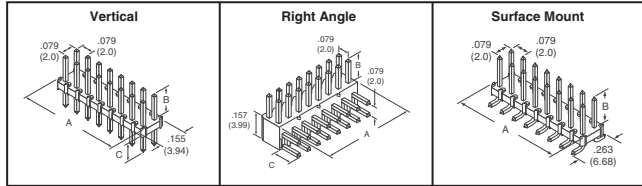


3M 2mm x 2mm Pin Strip Headers



Dim. in Inches (mm)



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

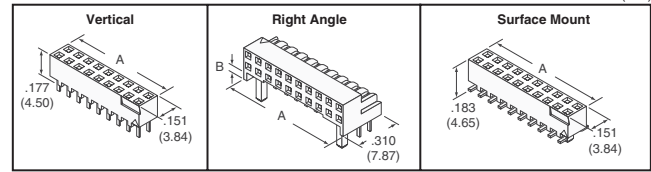
No. of Pos.	Dim. Inch (mm)			Digi-Key Part No.	Price Each			3M Part No.
	A	B	C		1	100	500	
Vertical (Natural)								
8	.295 (7.5)	.152 (3.86)	.118 (3.0)	3M1108-ND	.96	.73	.66	151208-8422-TB
10	.374 (9.5)	.152 (3.86)	.118 (3.0)	3M1110-ND	1.56	1.19	1.08	151210-8422-TB
12	.453 (11.5)	.152 (3.86)	.118 (3.0)	3M1112-ND	1.16	.89	.81	151212-8422-TB
20	.768 (19.5)	.152 (3.86)	.118 (3.0)	3M1120-ND	1.56	1.19	1.08	151220-8422-TB
24	.925 (23.5)	.152 (3.86)	.118 (3.0)	3M1124-ND	1.79	1.36	1.23	151224-8422-TB
40	1.556 (39.5)	.152 (3.86)	.118 (3.0)	3M1140-ND	2.45	1.87	1.69	151240-8422-TB
44	1.714 (43.5)	.152 (3.86)	.118 (3.0)	3M1144-ND	2.64	2.01	1.82	151244-8422-TB
50	1.950 (49.5)	.152 (3.86)	.118 (3.0)	3M1150-ND	2.91	2.22	2.01	151250-8422-TB
60	2.344 (59.5)	.152 (3.86)	.118 (3.0)	3M1160-ND	3.37	2.56	2.32	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	.62	.48	.43	151208-7422-TB
10	.374 (9.5)	.152 (3.86)	.118 (3.0)	3M1210-ND	.71	.54	.49	151210-7422-TB
12	.453 (11.5)	.152 (3.86)	.118 (3.0)	3M1212-ND	.77	.59	.53	151212-7422-TB
20	.768 (19.5)	.152 (3.86)	.118 (3.0)	3M1220-ND	1.04	.79	.72	151220-7422-TB
24	.925 (23.5)	.152 (3.86)	.118 (3.0)	3M1224-ND	1.21	.92	.83	151224-7422-TB
30	1.162 (29.5)	.152 (3.86)	.118 (3.0)	3M1230-ND	1.39	1.06	.96	151230-7422-TB
50	1.950 (49.5)	.152 (3.86)	.118 (3.0)	3M1250-ND	2.18	1.66	1.51	151250-7422-TB
60	2.344 (59.5)	.152 (3.86)	.118 (3.0)	3M1260-ND	2.50	1.90	1.72	151260-7422-TB
Right Angle (Black) — RoHS Compliant								
8	.295 (7.5)	.152 (3.86)	.118 (3.0)	3M1508-ND	.60	.46	.42	151208-7422-RB
10	.374 (9.5)	.152 (3.86)	.118 (3.0)	3M1510-ND	.67	.51	.46	151210-7422-RB
10	.374 (9.5)	.130 (3.30)	.118 (3.0)	3M5355-ND	.77	.59	.53	151210-7322-RB
12	.453 (11.5)	.152 (3.86)	.118 (3.0)	3M1512-ND	.73	.56	.51	151212-7422-RB
12	.453 (11.5)	.130 (3.30)	.118 (3.0)	3M5357-ND	.73	.56	.51	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	.94	.72	.65	151218-7322-RB
20	.768 (19.5)	.152 (3.86)	.118 (3.0)	3M1520-ND	1.00	.76	.69	151220-7422-RB
24	.925 (23.5)	.152 (3.86)	.118 (3.0)	3M1524-ND	1.14	.87	.79	151224-7422-RB
26	1.005 (25.5)	.152 (3.86)	.118 (3.0)	3M5369-ND	1.21	.92	.83	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	1.79	1.36	1.23	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



Dim. in Inches (mm)



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 date 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 10⁹MQ @ 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	1.73	1.32	1.19	150208-6002-TB
10	.389 (10.0)	—	3M1010-ND	1.79	1.36	1.23	150210-6002-TB
12	.467 (12.0)	—	3M1012-ND	1.85	1.41	1.28	150212-6002-TB
20	.782 (20.0)	—	3M1020-ND	2.12	1.62	1.46	150220-6002-TB
24	.940 (24.0)	—	3M1024-ND	2.25	1.71	1.55	150224-6002-TB
30	1.176 (30.0)	—	3M1030-ND	2.43	1.85	1.68	150230-6002-TB
40	1.570 (40.0)	—	3M1040-ND	2.75	2.09	1.89	150240-6002-TB
44	1.727 (44.0)	—	3M1044-ND	2.89	2.20	1.99	150244-6002-TB
50	1.964 (50.0)	—	3M1050-ND	3.08	2.34	2.12	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)	—	3				