

**ALEX**

.079"(2.0mm) Crimp Terminal Housing

Specifications:

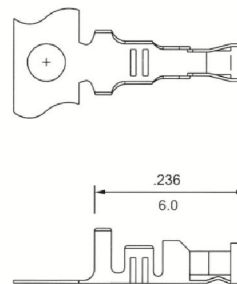
- Current rating: 1AAC, DC max.
- Voltage rating: 250V AC, DC
- Dielectric Strength: 800V AC/minute
- Applicable P. C. board thickness: .063"(1.6mm)
- Insulation resistance: 1000M Ω min.
- Contact resistance: 20m Ω max.
- Temperature range: -25 °C ~ 95 °C max.
(including temperature rise)

45T Crimp Terminal

- Material: Brass
- Finished: Gold flash
- Used in ALEX 4501, 4521 series housings
- Wire range: AWG #26 ~ #30
- Thickness: 0.2mm

Ordering Information

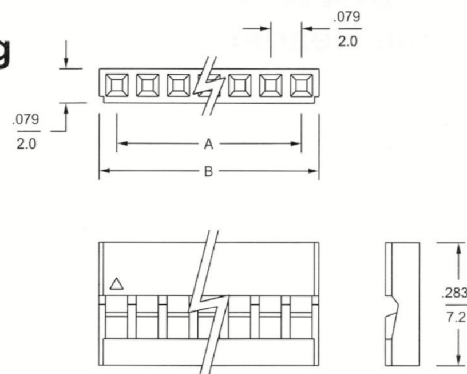
Part No.	Description
45T-1850	Used in 4501(02 ~ 19), 4521(04 ~ 18)
45T-1950	Used in 4501(20 ~ 40), 4521(20 ~ 80)



inches
mm

4501-N Series Single Row Crimp Terminal Housing

- 2 ~ 40 circuits available
- Material: PBT, UL 94V-0
- Standard color: Black
- Accepts ALEX 45T series terminals
- Mates with ALEX 4502, 4503, 4504, 4505 series headers



inches
mm

Dimensional Information - in (mm)

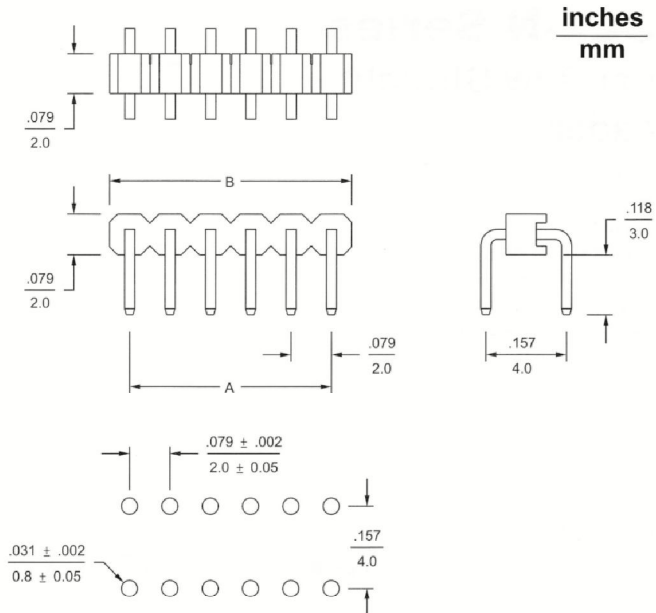
Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B
2	0.079 (2.0)	0.157 (4.0)	15	1.102 (28.0)	1.181 (30.0)	28	2.126 (54.0)	2.205 (56.0)
3	0.157 (4.0)	0.236 (6.0)	16	1.181 (30.0)	1.260 (32.0)	29	2.205 (56.0)	2.283 (58.0)
4	0.236 (6.0)	0.315 (8.0)	17	1.260 (32.0)	1.339 (34.0)	30	2.283 (58.0)	2.362 (60.0)
5	0.315 (8.0)	0.394 (10.0)	18	1.339 (34.0)	1.417 (36.0)	31	2.362 (60.0)	2.441 (62.0)
6	0.394 (10.0)	0.472 (12.0)	19	1.417 (36.0)	1.496 (38.0)	32	2.441 (62.0)	2.520 (64.0)
7	0.472 (12.0)	0.551 (14.0)	20	1.496 (38.0)	1.575 (40.0)	33	2.520 (64.0)	2.598 (66.0)
8	0.551 (14.0)	0.630 (16.0)	21	1.575 (40.0)	1.654 (42.0)	34	2.598 (66.0)	2.677 (68.0)
9	0.630 (16.0)	0.709 (18.0)	22	1.654 (42.0)	1.732 (44.0)	35	2.677 (68.0)	2.756 (70.0)
10	0.709 (18.0)	0.787 (20.0)	23	1.732 (44.0)	1.811 (46.0)	36	2.756 (70.0)	2.835 (72.0)
11	0.787 (20.0)	0.866 (22.0)	24	1.811 (46.0)	1.890 (48.0)	37	2.835 (72.0)	2.913 (74.0)
12	0.866 (22.0)	0.945 (24.0)	25	1.890 (48.0)	1.969 (50.0)	38	2.913 (74.0)	2.992 (76.0)
13	0.945 (24.0)	1.024 (26.0)	26	1.969 (50.0)	2.047 (52.0)	39	2.992 (76.0)	3.071 (78.0)
14	1.024 (26.0)	1.102 (28.0)	27	2.047 (52.0)	2.126 (54.0)	40	3.071 (78.0)	3.150 (80.0)

**ALEX**

.079"(2.0mm) Crimp Terminal Housing

4506-N Series Right Angle Header

- 2 ~ 40 circuits available
- Insulator: PBT, UL 94V-0
- Contact: Brass
- Gold flash plated over nickel
- .020"(0.5mm) square pin
- Various pin lengths available



Dimensional Information (mm)

Part No.	Dim. A	Dim. B
4506-N	2.0 x (N - 1)	2.0 x N

& N = 1 ~ 40

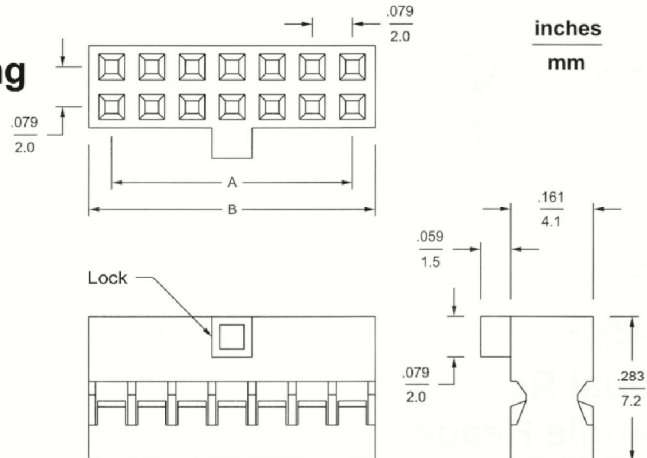
P. C. board hole dimensions

4521-xx Series Dual Row Crimp Terminal Housing

- 4 ~ 80 circuits available
- Material: PBT, UL 94V-0
- Standard color: Black
- Accepts ALEX 45T series terminals
- Mates with ALEX 4522, 4523, 4524 series headers

Ordering Information

Part No.	Description	Note
4521-xx	Without lock	XX = 04~80
4521-xx-PR	With lock	XX = 06~80



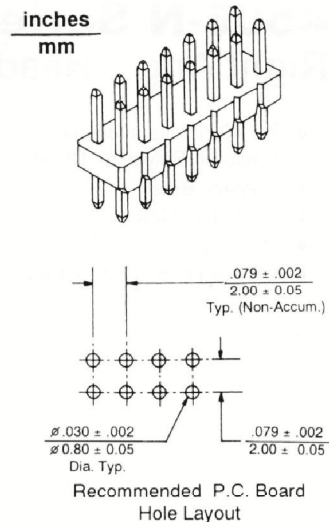
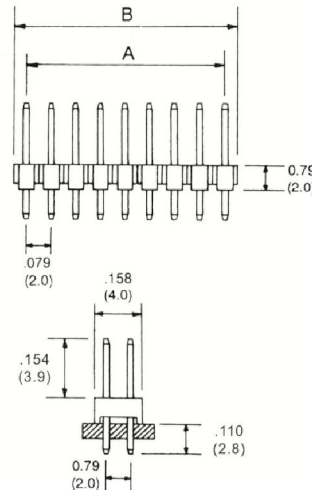
Dimensional Information - in (mm)

Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B
4	0.079 (2.0)	0.169 (4.3)	30	1.102 (28.0)	1.193 (30.3)	56	2.126 (54.0)	2.217 (56.3)
6	0.157 (4.0)	0.248 (6.3)	32	1.181 (30.0)	1.272 (32.3)	58	2.205 (56.0)	2.295 (58.3)
8	0.236 (6.0)	0.327 (8.3)	34	1.260 (32.0)	1.350 (34.3)	60	2.283 (58.0)	2.374 (60.3)
10	0.315 (8.0)	0.406 (10.3)	36	1.339 (34.0)	1.429 (36.3)	62	2.362 (60.0)	2.453 (62.3)
12	0.394 (10.0)	0.484 (12.3)	38	1.417 (36.0)	1.508 (38.3)	64	2.441 (62.0)	2.531 (64.3)
14	0.472 (12.0)	0.563 (14.3)	40	1.496 (38.0)	1.587 (40.3)	66	2.520 (64.0)	2.610 (66.3)
16	0.551 (14.0)	0.642 (16.3)	42	1.575 (40.0)	1.665 (42.3)	68	2.598 (66.0)	2.689 (68.3)
18	0.630 (16.0)	0.720 (18.3)	44	1.654 (42.0)	1.744 (44.3)	70	2.677 (68.0)	2.768 (70.3)
20	0.709 (18.0)	0.799 (20.3)	46	1.732 (44.0)	1.823 (46.3)	72	2.756 (70.0)	2.846 (72.3)
22	0.787 (20.0)	0.878 (22.3)	48	1.811 (46.0)	1.902 (48.3)	74	2.835 (72.0)	2.925 (74.3)
24	0.866 (22.0)	0.957 (24.3)	50	1.890 (48.0)	1.980 (50.3)	76	2.913 (74.0)	3.004 (76.3)
26	0.945 (24.0)	1.035 (26.3)	52	1.969 (50.0)	2.059 (52.3)	78	2.992 (76.0)	3.083 (78.3)
28	1.024 (26.0)	1.114 (28.3)	54	2.047 (52.0)	2.138 (54.3)	80	3.071 (78.0)	3.161 (80.3)

.079" (2.0mm) Center Headers

4522-N Series Dual Row Straight Header

- PBT, UL 94V-0
- .020" (0.5mm) straight square wire pins
- Various pin lengths available
- 4-80 circuits available
- Mates with 4521, 4621 series housings
- Applicable PC board thickness: .063" (1.6mm)

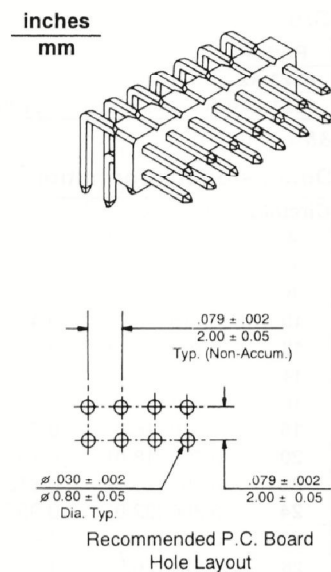
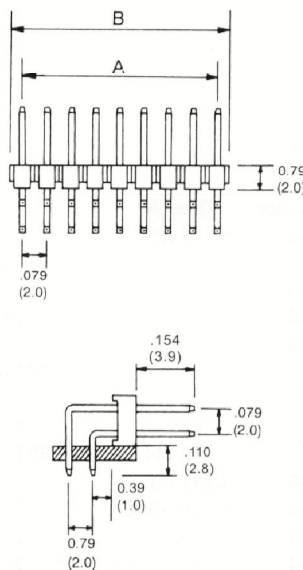


Dimensional Information - in. (mm) 4522/4523

Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B
4	0.079 (2.0)	0.167 (4.0)	30	1.102 (28.0)	1.181 (30.0)	56	2.126 (54.0)	2.205 (56.0)
6	0.167 (4.0)	0.236 (6.0)	32	1.181 (30.0)	1.260 (32.0)	58	2.205 (56.0)	2.284 (58.0)
8	0.236 (6.0)	0.315 (8.0)	34	1.260 (32.0)	1.339 (34.0)	60	2.284 (58.0)	2.362 (60.0)
10	0.315 (8.0)	0.394 (10.0)	36	1.339 (34.0)	1.417 (36.0)	62	2.362 (60.0)	2.441 (62.0)
12	0.394 (10.0)	0.472 (12.0)	38	1.417 (36.0)	1.496 (38.0)	64	2.441 (62.0)	2.520 (64.0)
14	0.472 (12.0)	0.551 (14.0)	40	1.496 (38.0)	1.575 (40.0)	66	2.520 (64.0)	2.599 (66.0)
16	0.551 (14.0)	0.630 (16.0)	42	1.575 (40.0)	1.654 (42.0)	68	2.599 (66.0)	2.677 (68.0)
18	0.630 (16.0)	0.709 (18.0)	44	1.654 (42.0)	1.732 (44.0)	70	2.677 (68.0)	2.756 (70.0)
20	0.709 (18.0)	0.787 (20.0)	46	1.732 (44.0)	1.811 (46.0)	72	2.756 (70.0)	2.835 (72.0)
22	0.787 (20.0)	0.866 (22.0)	48	1.811 (46.0)	1.890 (48.0)	74	2.835 (72.0)	2.913 (74.0)
24	0.866 (22.0)	0.945 (24.0)	50	1.890 (48.0)	1.969 (50.0)	76	2.913 (74.0)	2.992 (76.0)
26	0.945 (24.0)	1.024 (26.0)	52	1.969 (50.0)	2.047 (52.0)	78	2.992 (76.0)	3.071 (78.0)
28	1.024 (26.0)	1.102 (28.0)	54	2.047 (52.0)	2.126 (54.0)	80	3.071 (78.0)	3.150 (80.0)

4523-N Series Dual Row Right Angle Header

- PBT, UL 94V-0
- .020" (0.5mm) right angle square wire pins
- Various pin lengths available
- 4-80 circuits available
- Mates with 4521, 4621 series housings
- Applicable PC board thickness: .063" (1.6mm)

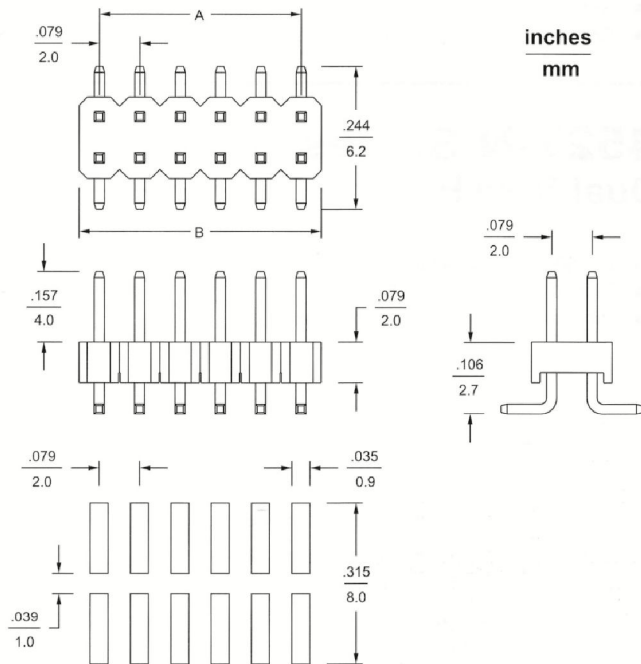


**ALEX**

.079"(2.0mm) Dual Row Right Angle Header

4524-N Series Vertical Header, SMT

- 4 ~ 80 circuits available
- Insulator: Nylon 6T
- Contact: Brass
- Gold flash plated over nickel
- .020"(0.5mm) square pin
- Various pin lengths available
- Mates with ALEX 4521, 4621 housings



Dimensional Information (mm)

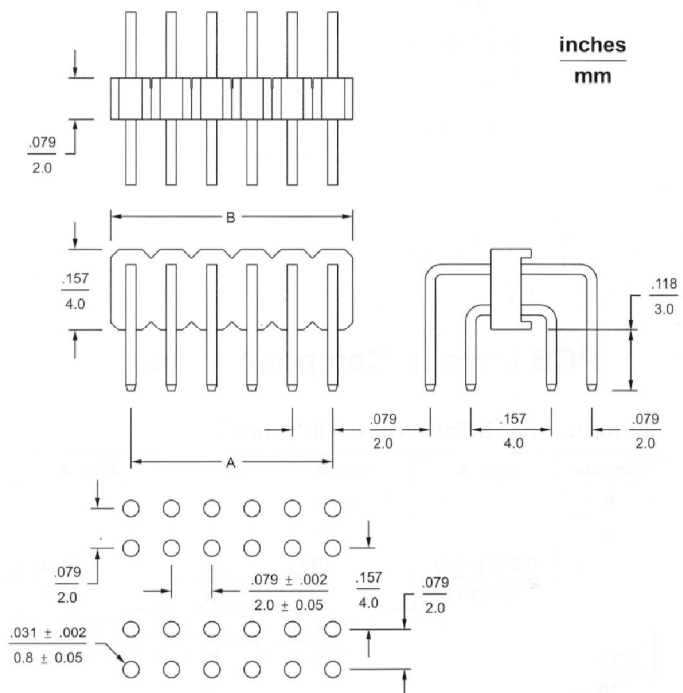
Part No.	Dim. A	Dim. B
4524-N	2.0 x (N/2 - 1)	N

& N = 4 ~ 80

P. C. board hole dimensions

4525-N Series Right Angle Header

- 4 ~ 80 circuits available
- Insulator: PBT, UL 94V-0
- Contact: Brass
- Gold flash plated over nickel
- .020"(0.5mm) square pin
- Various pin lengths available



Dimensional Information (mm)

Part No.	Dim. A	Dim. B
4525-N	2x (N / 2 - 1)	N

& N = 4 ~ 80

P. C. board hole dimensions