

**ALEX**

.079"(2.0mm) Crimp Terminal Housing

Specifications:

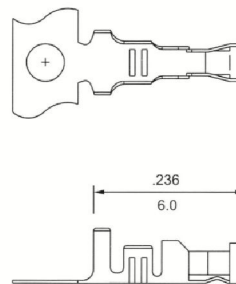
- Current rating: 1AAC, DC max.
- Voltage rating: 250V AC, DC
- Dielectric Strength: 800V AC/minute
- Applicable P. C. board thickness: .063"(1.6mm)
- Insulation resistance: 1000M Ω min.
- Contact resistance: 20m Ω max.
- Temperature range: -25 °C ~ 95 °C max.
(including temperature rise)

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

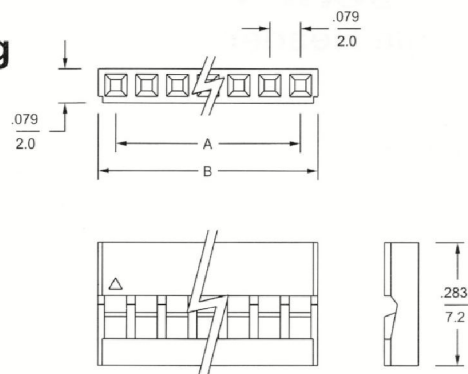
Part No.	Description
45T-1850	Used in 4501(02 ~ 19), 4521(04 ~ 18)
45T-1950	Used in 4501(20 ~ 40), 4521(20 ~ 80)



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)

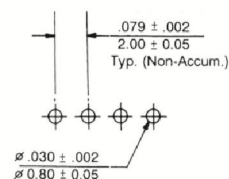
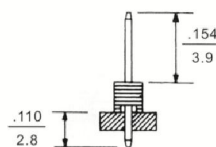
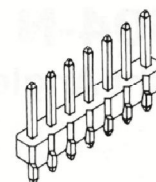
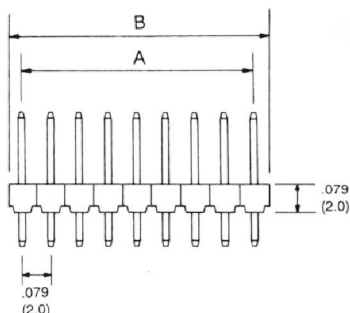
Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B
2	0.079 (2.0)	0.157 (4.0)	15	1.102 (28.0)	1.181 (30.0)	28	2.126 (54.0)	2.205 (56.0)
3	0.157 (4.0)	0.236 (6.0)	16	1.181 (30.0)	1.260 (32.0)	29	2.205 (56.0)	2.283 (58.0)
4	0.236 (6.0)	0.315 (8.0)	17	1.260 (32.0)	1.339 (34.0)	30	2.283 (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) Center Headers

4502-N Series Straight Flat Header

- PBT, UL 94V-0
- .020" (0.5mm) straight square wire pins
- Various pin lengths available
- 2-40 circuits available
- Mates with 4501, 4601 series housings
- Applicable PC board thickness:
.063" (1.6mm)



inches
mm

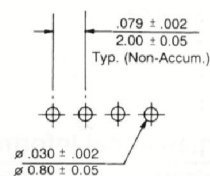
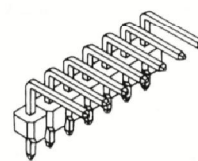
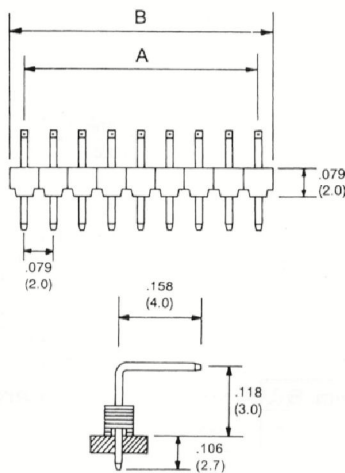
Recommended P.C.Board
Hole Layout

Dimensional Information - in. (mm) 4502/4503

Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B
2	0.079 (2.0)	0.167 (4.0)	15	1.102 (28.0)	1.181 (30.0)	28	2.126 (54.0)	2.205 (56.0)
3	0.167 (4.0)	0.236 (6.0)	16	1.181 (30.0)	1.260 (32.0)	29	2.205 (56.0)	2.284 (58.0)
4	0.236 (6.0)	0.315 (8.0)	17	1.260 (32.0)	1.339 (34.0)	30	2.284 (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)	2.599 (66.0)
8	0.551 (14.0)	0.630 (16.0)	21	1.575 (40.0)	1.654 (42.0)	34	2.599 (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)

4503-N Series Right Angle Flat Header

- PBT, UL 94V-0
- .020" (0.5mm) right angle square wire pins
- Various pin lengths available
- 2-40 circuits available
- Mates with 4501, 4601 series housings
- Applicable PC board thickness:
.063" (1.6mm)



inches
mm

Recommended P.C.Board
Hole Layout

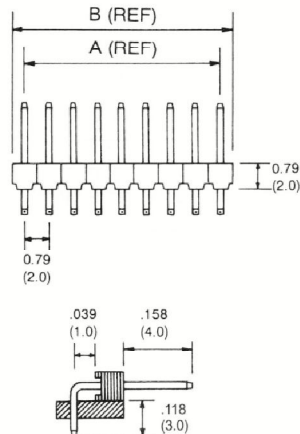


ALEX

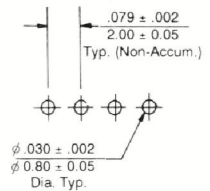
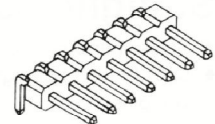
.079"(2.0mm) Crimp Terminal Housing

4504-N Series Right Angle Flat Header

- PBT, UL 94V-0
- .020" (0.5mm) right angle square wire pins
- Various pin lengths available
- 2-40 circuits available
- Mates with 4501, 4601 series housings
- Applicable PC board thickness:
.063" (1.6mm)



inches
mm



Recommended P.C. Board
Hole Layout

NOTE:

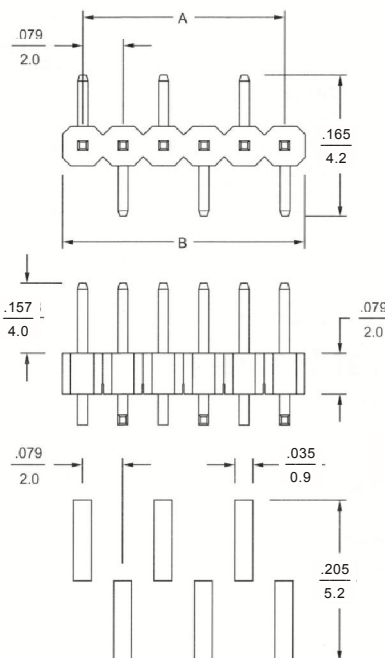
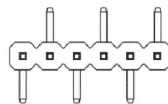
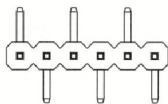
A=(Circuits-1) x (2.0mm)
B=(Circuits) x (2.0mm)

4505-xx Series Vertical Header, SMT

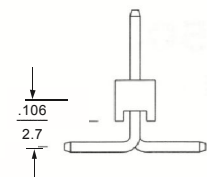
- 2 ~ 40 circuits available
- Insulator: Nylon 6T
- Contact: Brass
- Gold flash plated over nickel
- .020"(0.5mm) square pin
- Various pin lengths available
- Mates with ALEX 4501, 4601 housings

4505-xxA

4505-xxB



inches
mm



P. C. board hole dimensions

Dimensional Information (mm)

Part No.	Dim. A	Dim. B
4505-xxA	2.0 x (N - 1)	2.0 x N
4505-xxB		

& N = 2 ~ 40