



ALEX

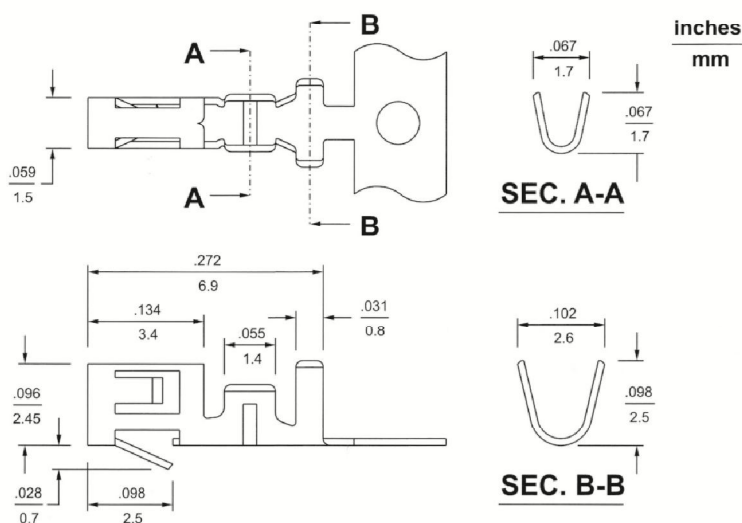
.098"(2.5mm) Wire-to-Board Connector

Specifications:

- Current rating: 2.5AAC, DC
- Voltage rating: 250V AC, DC
- Dielectric withstanding voltage: 800V AC/minute
- Insulation resistance: 1000MΩ Min.
- Contact resistance: 20mΩ Max.
- Ambient temperature range: -25 °C ~ 85 °C (including temperature rise)

53T Series Crimp Terminal

- Finished: Tin-plated
- Used in ALEX 2503-N housing
- Wire range: #22 ~ #28 AWG
- Thickness: 0.2mm

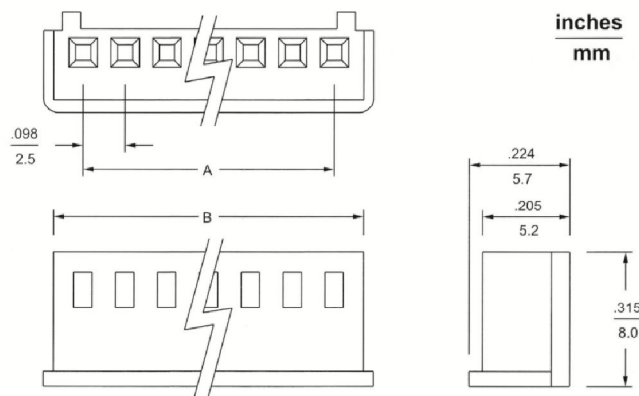


Ordering Information

Part No.	Material
53T	Brass
53TP	Phosphor bronze

2503-N Series Crimp Terminal Housing

- 2 ~ 20 circuits available
- Material: UL 94V-0 nylon 66
- Accepts ALEX 53T series terminal
- Mates with ALEX 2504-N, 2505-N headers



Dimensional Information - in (mm)

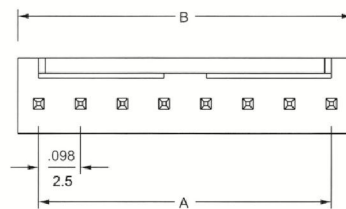
Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B
2	0.098 (2.5)	0.236 (6.0)	9	0.787 (20.0)	0.925 (23.5)	16	1.476 (37.5)	1.614 (41.0)
3	0.197 (5.0)	0.335 (8.5)	10	0.886 (22.5)	1.024 (26.0)	17	1.575 (40.0)	1.713 (43.5)
4	0.295 (7.5)	0.433 (11.0)	11	0.984 (25.0)	1.122 (28.5)	18	1.673 (42.5)	1.811 (46.0)
5	0.394 (10.0)	0.531 (13.5)	12	1.083 (27.5)	1.220 (31.0)	19	1.772 (45.0)	1.909 (48.5)
6	0.492 (12.5)	0.630 (16.0)	13	1.181 (30.0)	1.319 (33.5)	20	1.870 (47.5)	2.008 (51.0)
7	0.591 (15.0)	0.728 (18.5)	14	1.260 (32.5)	1.417 (36.0)			
8	0.689 (17.5)	0.827 (21.0)	15	1.378 (35.0)	1.516 (38.5)			

**ALEX**

.098"(2.5mm) Wire-to-Board Connector

2504-N Series Vertical Header

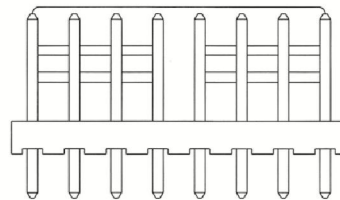
- 2 ~ 20 circuits available
- Material: UL 94V-0 nylon 66
- Tin-plated brass pin
- .025"(0.64mm) square pin
- Mates with ALEX 2503-N housing



inches
mm

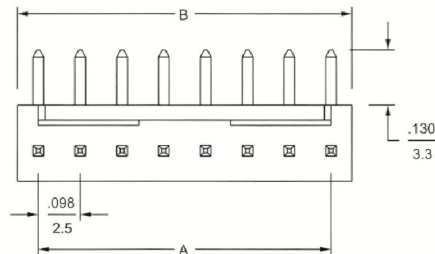


P. C. board hole dimensions

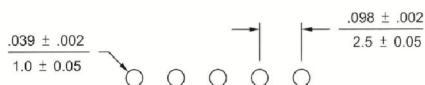


2505-N Series Right Angle Header

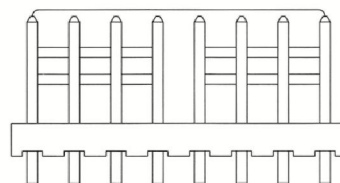
- 2 ~ 20 circuits available
- Material: UL 94V-0 nylon 66
- Tin-plated brass pin
- .025"(0.64mm) square pin
- Mates with ALEX 2503-N housing



inches
mm



P. C. board hole dimensions



Dimensional Information - in (mm) 2504 / 2505

Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B	Circuits	Dim. A	Dim. B
2	0.098 (2.5)	0.197 (5.0)	9	0.787 (20.0)	0.886 (22.5)	16	1.476 (37.5)	1.575 (40.0)
3	0.197 (5.0)	0.295 (7.5)	10	0.886 (22.5)	0.984 (25.0)	17	1.575 (40.0)	1.673 (42.5)
4	0.295 (7.5)	0.394 (10.0)	11	0.984 (25.0)	1.083 (27.5)	18	1.673 (42.5)	1.772 (45.0)
5	0.394 (10.0)	0.492 (12.5)	12	1.083 (27.5)	1.181 (30.0)	19	1.772 (45.0)	1.870 (47.5)
6	0.492 (12.5)	0.591 (15.0)	13	1.181 (30.0)	1.260 (32.5)	20	1.870 (47.5)	1.969 (50.0)
7	0.591 (15.0)	0.689 (17.5)	14	1.260 (32.5)	1.378 (35.0)			
8	0.689 (17.5)	0.787 (20.0)	15	1.378 (35.0)	1.476 (37.5)			