

**ALEX**

## .059"(1.5mm) Crimp Terminal Housing

### Specifications:

- Current rating:

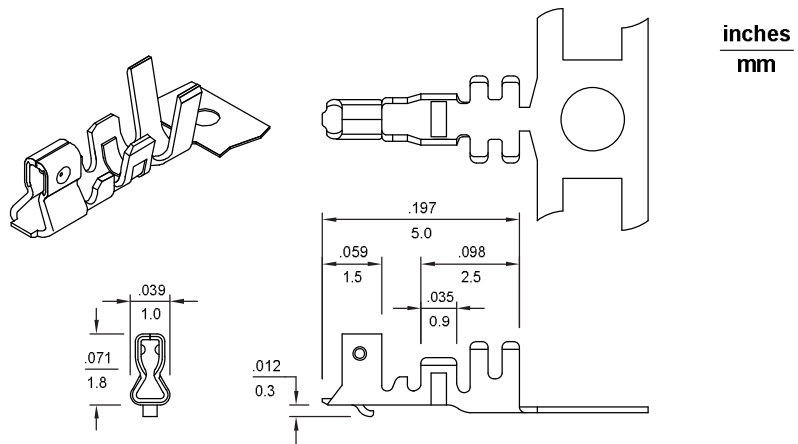
| Wire Gauge ( AWG ) | #24 | #26 | #28 | #30 |
|--------------------|-----|-----|-----|-----|
| Ampere             | 3   | 2   | 1.5 | 1.5 |

- Voltage rating: 50V AC, DC
- Contact resistance: 20mΩ Max.

- Insulation resistance: 500MΩ Min.
- Dielectric withstanding voltage: 500V AC/minute
- Ambient temperature range: -25°C ~ 85°C  
(including temperature rise)

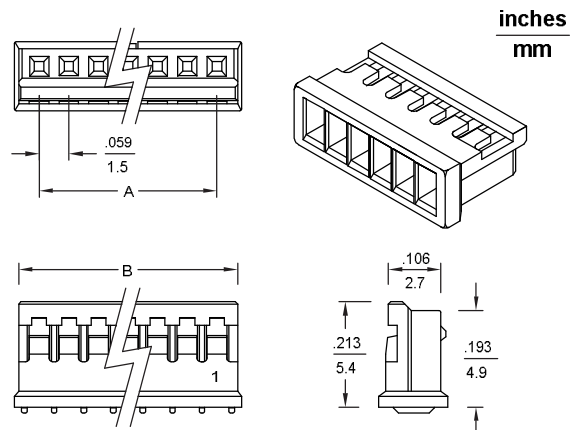
### 1511T Series Crimp Terminal

- Material: Phosphor bronze
- Finished: Tin-plated
- Used in ALEX 1512-N housing
- Wire range: #24 ~ #30 AWG
- Thickness: 0.15mm
- Q'ty: 10000 PCS/Reel



### 1512-N Series Crimp Terminal Housing

- 2 ~ 15 circuits available
- Material: UL 94V-0 nylon 66
- Accepts ALEX 1511T terminal
- Mates with ALEX 1513-N, 1514-N, 1515-N, 1516-N headers
- Standard color: White



#### Dimensional Information - in ( mm )

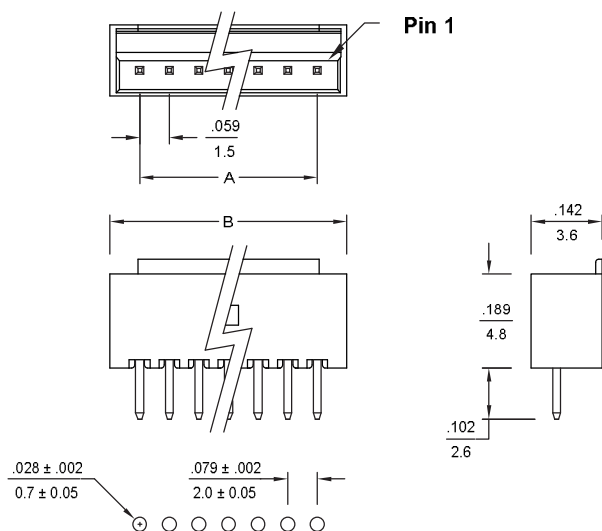
| Circuits | Dim. A        | Dim. B        | Circuits | Dim. A         | Dim. B         | Circuits | Dim. A         | Dim. B         |
|----------|---------------|---------------|----------|----------------|----------------|----------|----------------|----------------|
| 2        | 0.059 ( 1.5 ) | 0.142 ( 3.6 ) | 7        | 0.354 ( 9.0 )  | 0.437 ( 11.1 ) | 12       | 0.650 ( 16.5 ) | 0.732 ( 18.6 ) |
| 3        | 0.118 ( 3.0 ) | 0.201 ( 5.1 ) | 8        | 0.413 ( 10.5 ) | 0.496 ( 12.6 ) | 13       | 0.709 ( 18.0 ) | 0.791 ( 20.1 ) |
| 4        | 0.177 ( 4.5 ) | 0.260 ( 6.6 ) | 9        | 0.472 ( 12.0 ) | 0.555 ( 14.1 ) | 14       | 0.768 ( 19.5 ) | 0.850 ( 21.6 ) |
| 5        | 0.236 ( 6.0 ) | 0.319 ( 8.1 ) | 10       | 0.531 ( 13.5 ) | 0.614 ( 15.6 ) | 15       | 0.827 ( 21.0 ) | 0.909 ( 23.1 ) |
| 6        | 0.295 ( 7.5 ) | 0.378 ( 9.6 ) | 11       | 0.591 ( 15.0 ) | 0.673 ( 17.1 ) |          |                |                |

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## .059"(1.5mm) Crimp Terminal Housing

### 1513-N Series Vertical Header

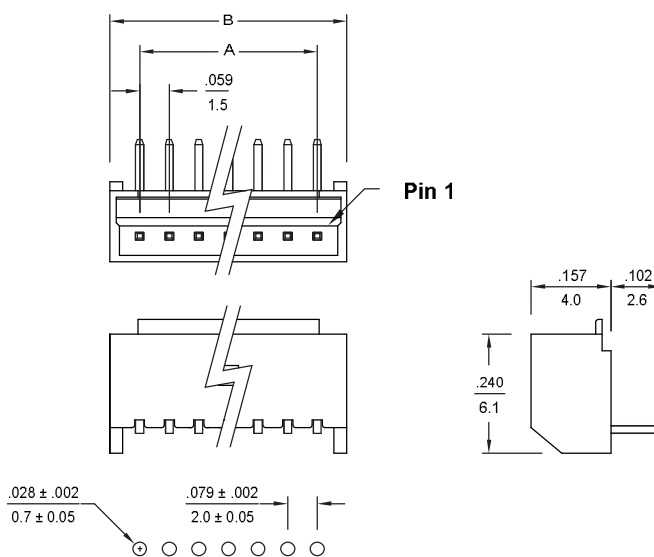
- 2 ~ 15 circuits available
- Plastic material: UL 94V-0 nylon 66
- Tin-plated brass pin
- .016"(0.4mm) square pin
- Mates with ALEX 1512-N housing



P. C. B. hole dimensions

### 1514-N Series Right Angle Header

- 2 ~ 15 circuits available
- Plastic material: UL 94V-0 nylon 66
- Tin-plated brass pin
- .016"(0.4mm) square pin
- Mates with ALEX 1512-N housing



P. C. B. hole dimensions

#### Dimensional Information - in ( mm ) 1513 / 1514

| Circuits | Dim. A        | Dim. B         | Circuits | Dim. A         | Dim. B         | Circuits | Dim. A         | Dim. B         |
|----------|---------------|----------------|----------|----------------|----------------|----------|----------------|----------------|
| 2        | 0.059 ( 1.5 ) | 0.177 ( 4.5 )  | 7        | 0.354 ( 9.0 )  | 0.472 ( 12.0 ) | 12       | 0.650 ( 16.5 ) | 0.768 ( 19.5 ) |
| 3        | 0.118 ( 3.0 ) | 0.236 ( 6.0 )  | 8        | 0.413 ( 10.5 ) | 0.531 ( 13.5 ) | 13       | 0.709 ( 18.0 ) | 0.827 ( 21.0 ) |
| 4        | 0.177 ( 4.5 ) | 0.295 ( 7.5 )  | 9        | 0.472 ( 12.0 ) | 0.591 ( 15.0 ) | 14       | 0.768 ( 19.5 ) | 0.886 ( 22.5 ) |
| 5        | 0.236 ( 6.0 ) | 0.354 ( 9.0 )  | 10       | 0.531 ( 13.5 ) | 0.650 ( 16.5 ) | 15       | 0.827 ( 21.0 ) | 0.945 ( 24.0 ) |
| 6        | 0.295 ( 7.5 ) | 0.413 ( 10.5 ) | 11       | 0.591 ( 15.0 ) | 0.709 ( 18.0 ) |          |                |                |



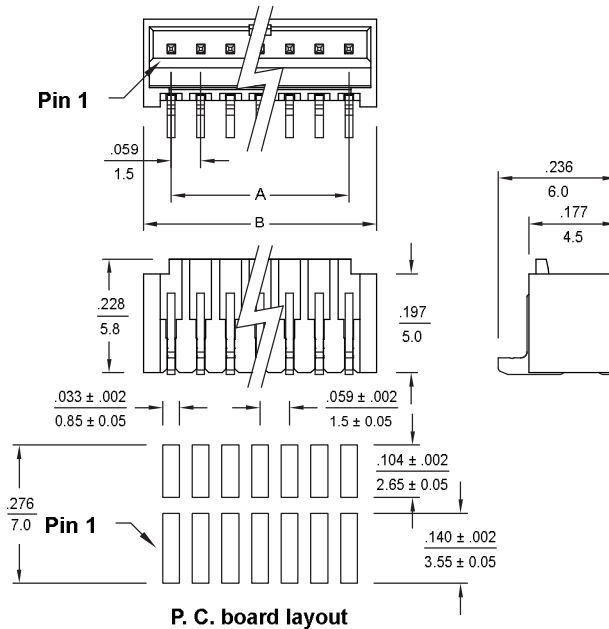
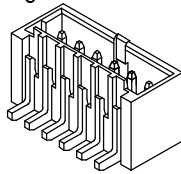
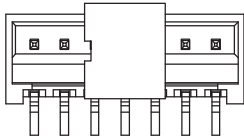
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## .059"(1.5mm) Crimp Terminal Housing

### 1515-N Series Vertical Header, SMT

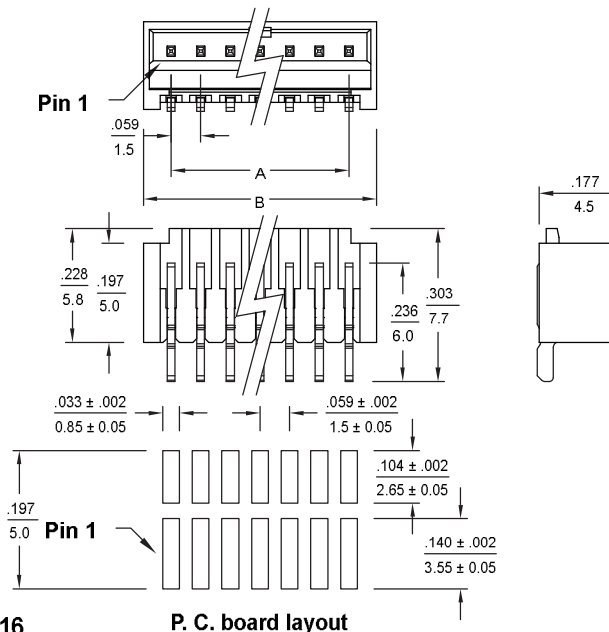
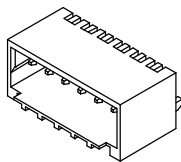
- 2 ~ 15 circuits available
- Plastic material: UL 94V-0 nylon 9T
- Semi-Gloss tin brass pin
- .016"(0.4mm) flat pin
- Mates with ALEX 1512-N housing

Shown with disposable cap



### 1516-N Series Right Angle Header, SMT

- 2 ~ 15 circuits available
- Plastic material: UL 94V-0 nylon 9T
- Semi-Gloss tin brass pin
- .016"(0.4mm) flat pin
- Mates with ALEX 1512-N housing



Dimensional Information - in ( mm ) 1515 / 1516

| Circuits | Dim. A        | Dim. B         | Circuits | Dim. A         | Dim. B         | Circuits | Dim. A         | Dim. B         |
|----------|---------------|----------------|----------|----------------|----------------|----------|----------------|----------------|
| 2        | 0.059 ( 1.5 ) | 0.169 ( 4.3 )  | 7        | 0.354 ( 9.0 )  | 0.465 ( 11.8 ) | 12       | 0.650 ( 16.5 ) | 0.760 ( 19.3 ) |
| 3        | 0.118 ( 3.0 ) | 0.228 ( 5.8 )  | 8        | 0.413 ( 10.5 ) | 0.524 ( 13.3 ) | 13       | 0.709 ( 18.0 ) | 0.819 ( 20.8 ) |
| 4        | 0.177 ( 4.5 ) | 0.287 ( 7.3 )  | 9        | 0.472 ( 12.0 ) | 0.583 ( 14.8 ) | 14       | 0.768 ( 19.5 ) | 0.878 ( 22.3 ) |
| 5        | 0.236 ( 6.0 ) | 0.346 ( 8.8 )  | 10       | 0.531 ( 13.5 ) | 0.642 ( 16.3 ) | 15       | 0.827 ( 21.0 ) | 0.937 ( 23.8 ) |
| 6        | 0.295 ( 7.5 ) | 0.406 ( 10.3 ) | 11       | 0.591 ( 15.0 ) | 0.701 ( 17.8 ) |          |                |                |