

## Unfiltered Modular Jacks

# X Series



UL Recognized  
CSA Certified



RJ45



RJ11

## X Series

- Unfiltered standard jack
- RJ11 or RJ45
- 2, 4, 6 or 8 loaded contacts
- Available unshielded or shielded with board grounded shield or spring fingered panel ground interface



Shield 1



Shield 2

## Specifications

### Contacts:

|                          |                        |
|--------------------------|------------------------|
| Material:                | Phosphor Bronze        |
| Plating:                 | 50 microinches gold    |
| Barrier underplating:    | 100 microinches nickel |
| Resistance:              |                        |
| Initial:                 | 20 mΩ max.             |
| After 500 mating cycles: | 30 mΩ max.             |

**Shield Material:** Tin-plated copper alloy

**Housing Material:** Glass-filled polyester (UL94V-0)

### Dielectric Withstanding Voltage:

|                                  |                         |
|----------------------------------|-------------------------|
| Line to Line and Line to Ground: | 1000 VAC for 60 seconds |
|----------------------------------|-------------------------|

### Printed Circuit Board Retention:

|                   |                |
|-------------------|----------------|
| Before soldering: | 1 lb. minimum  |
| After soldering:  | 20 lb. minimum |

## Available Part Numbers

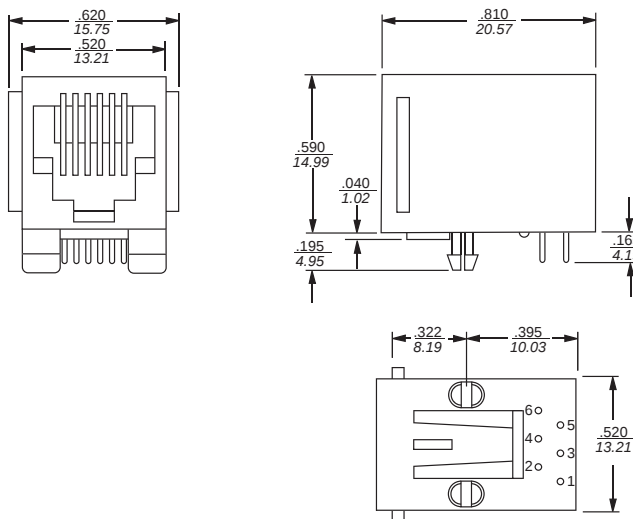
|         |          |
|---------|----------|
| RJ11-2X | RJ45-6X  |
| RJ11-4X | RJ45-8X  |
| RJ11-6X | RJ45-8X1 |
|         | RJ45-8X2 |

Model dimensions and PC board layout on pages 255-259

## Model Dimensions

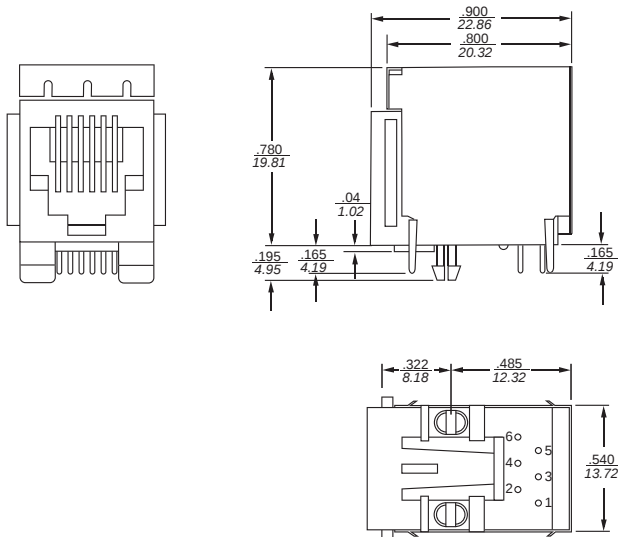
### L, LC, LCT and X Series RJ Jack Dimensions

#### RJ11 - No Shield



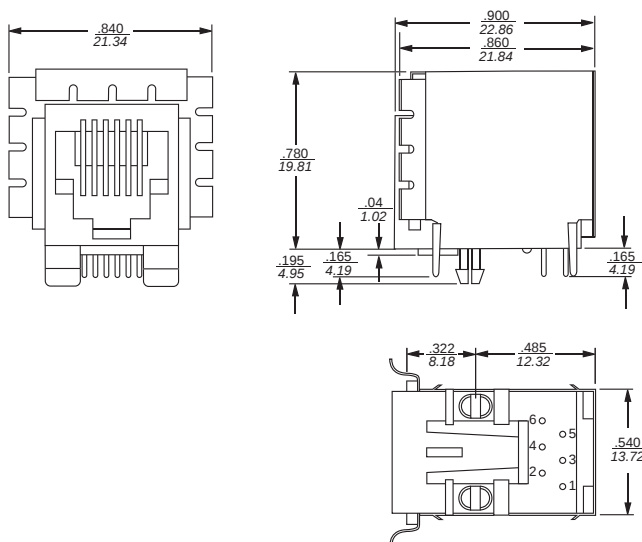
| Part No.  |           |         |
|-----------|-----------|---------|
| RJ11-2L-S | RJ11-2L-B | RJ11-2X |
| RJ11-4L-S | RJ11-4L-B | RJ11-4X |
| RJ11-6L-S | RJ11-6L-B | RJ11-6X |

#### RJ11 - Style 2 Shield



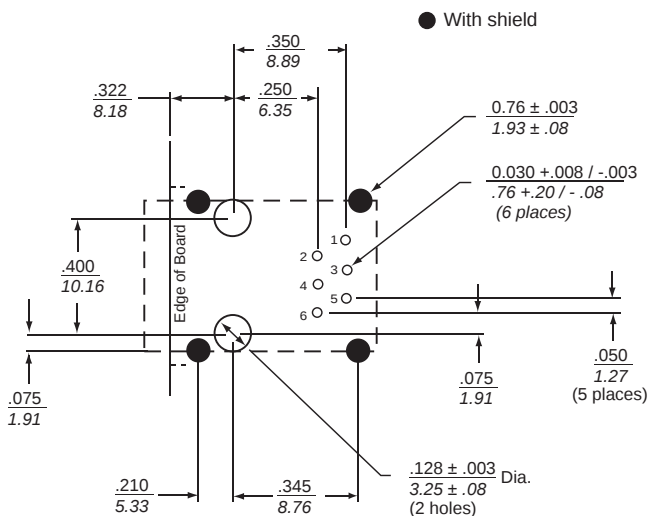
| Part No.    |             |            |              |
|-------------|-------------|------------|--------------|
| RJ11-2LC2-S | RJ11-2LC2-B | RJ11-4L2-S | RJ11-6L2-B   |
| RJ11-4LC2-S | RJ11-4LC2-B | RJ11-6L2-S | RJ11-6LCT2-S |
| RJ11-6LC2-S | RJ11-6LC2-B | RJ11-4L2-B | RJ11-6LCT2-B |

#### RJ11 - Style 1 Shield



| Part No.    |             |            |              |
|-------------|-------------|------------|--------------|
| RJ11-2LC1-S | RJ11-2LC1-B | RJ11-4L1-S | RJ11-6L1-B   |
| RJ11-4LC1-S | RJ11-4LC1-B | RJ11-6L1-S | RJ11-6LCT1-S |
| RJ11-6LC1-S | RJ11-6LC1-B | RJ11-4L1-B | RJ11-6LCT1-B |

#### RJ11 - PC Board Layout



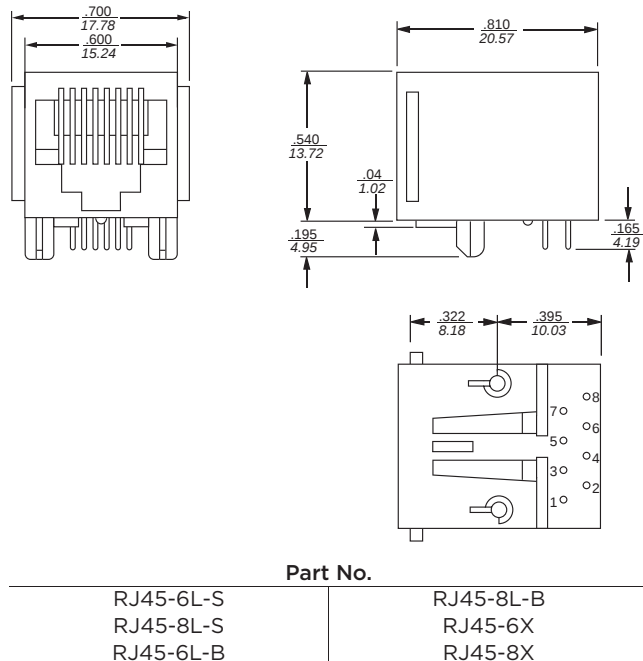
For all RJ11 L, LC, LCT and X Series Models  
Shown from Component Side

All tolerances ± 0.010 [0.25] unless otherwise noted

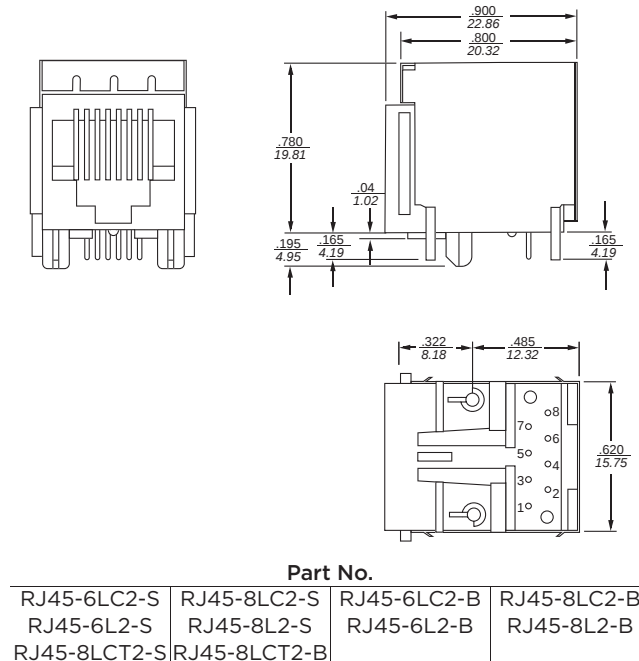
Model Dimensions (continued)

L, LC, LCT and X Series RJ Jack Dimensions (continued)

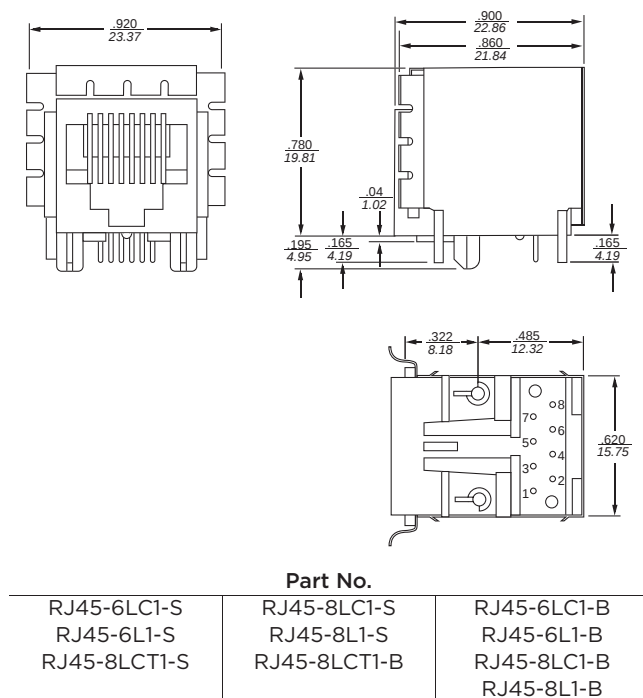
RJ45 - No Shield



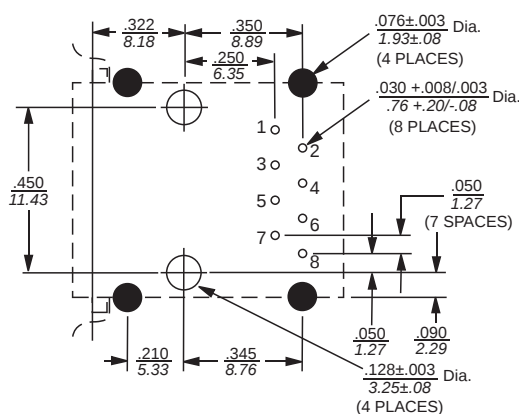
RJ45 - Style 2 Shield



RJ45 - Style 1 Shield



RJ45 - PC Board Layout



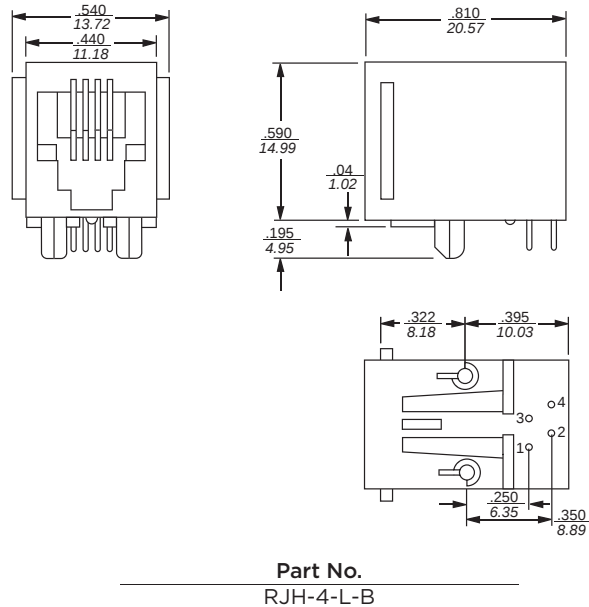
For all RJ45 L, LC, LCT and X Series Models  
Shown from Component Side

All tolerances ± 0.010 [0.25] unless otherwise noted

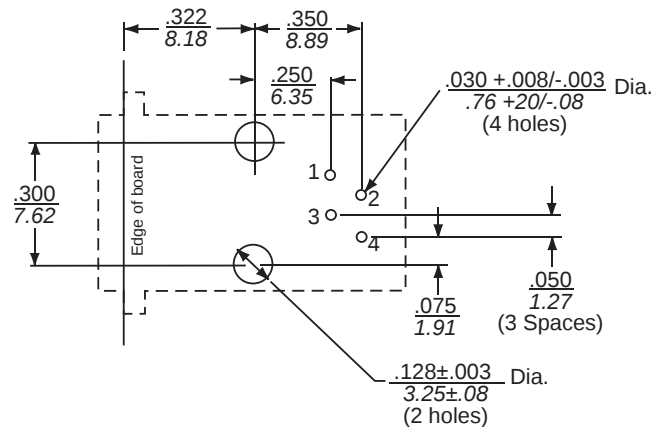
Model Dimensions (continued)

L, LC, LCT and X Series RJ Jack Dimensions (continued)

RJH - No Shield

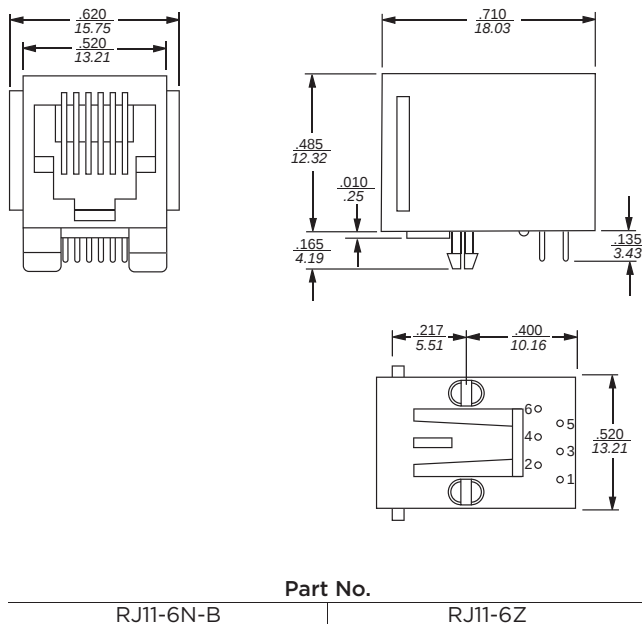


RJH - PC Board Layout

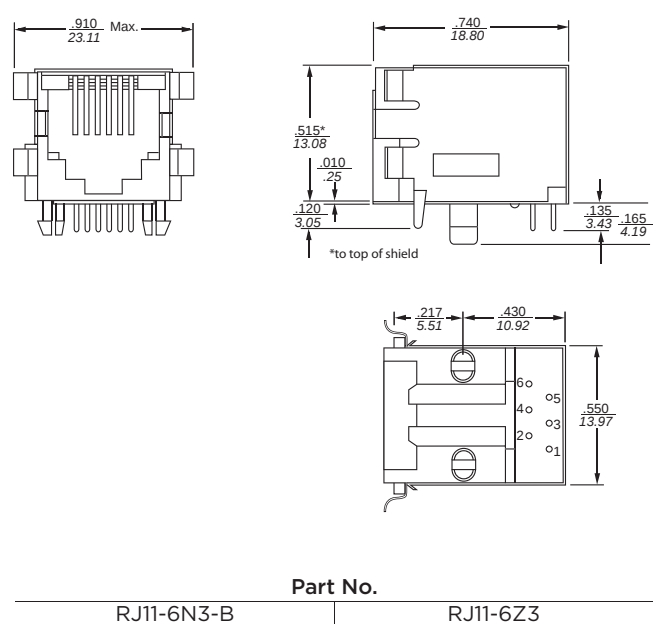


N and Z Series RJ Jack Dimensions

RJ11 - Low Profile, No Shield



RJ11 Low Profile, Style 3 Shield



| Part No.  |         |
|-----------|---------|
| RJ11-6N-B | RJ11-6Z |

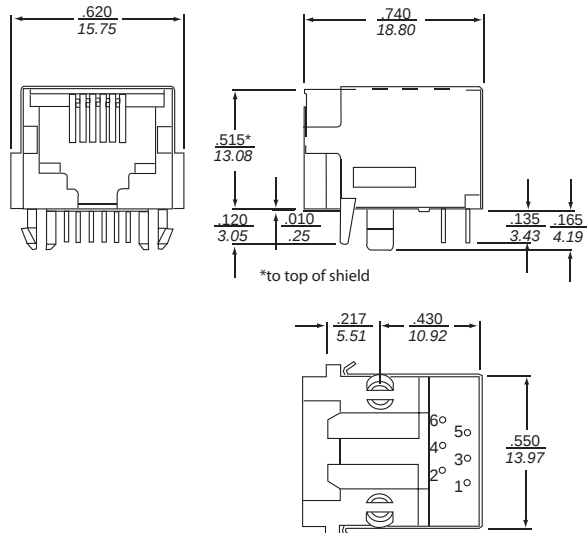
| Part No.   |          |
|------------|----------|
| RJ11-6N3-B | RJ11-6Z3 |

All tolerances ± 0.010 [0.25] unless otherwise noted

## Model Dimensions *(continued)*

### N and Z Series RJ Jack Dimensions *(continued)*

#### RJ11 Low Profile, Style 4 Shield

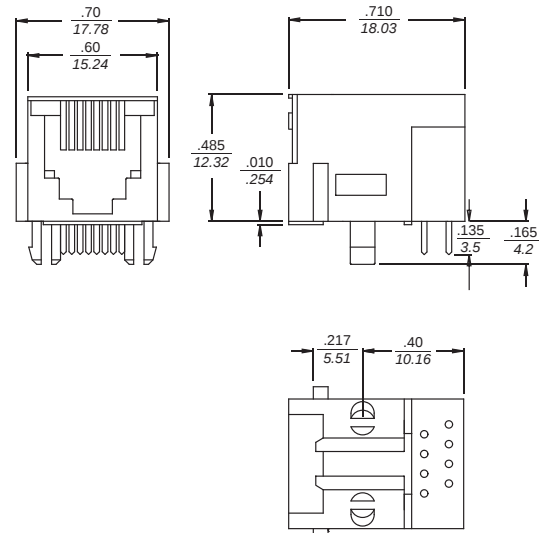


Part No.

RJ11-6N4-B

RJ11-6Z4

#### RJ45 - Low Profile, No Shield



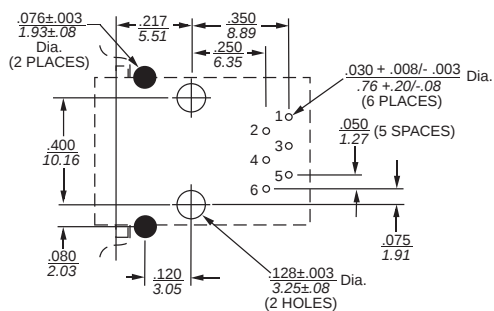
Part No.

RJ45-8N-B

RJ45-8N-S

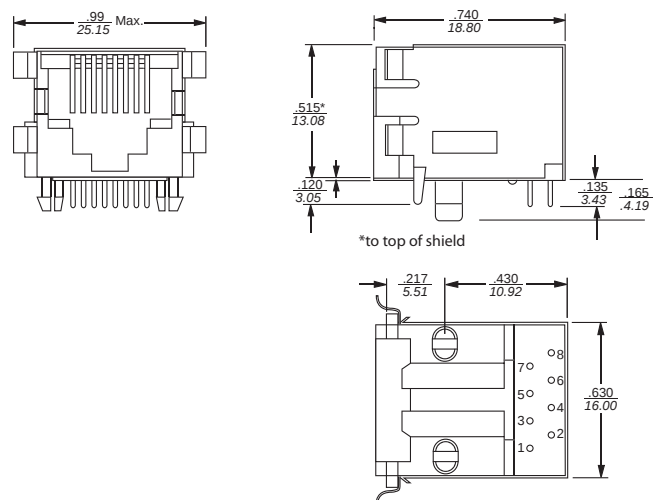
RJ45-8Z

#### RJ11 Low Profile, PC Board Layout



For all RJ11 N and Z Series Models  
Shown from Component Side

#### RJ45 - Low Profile, Style 3 Shield



Part No.

RJ45-8N3-B

RJ45-8N3-S

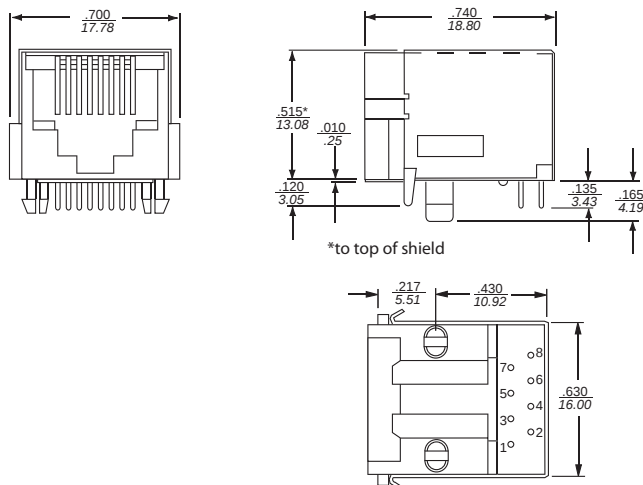
RJ45-8Z3

All tolerances  $\pm 0.010$  [0.25] unless otherwise noted

## Model Dimensions *(continued)*

### N and Z Series RJ Jack Dimensions *(continued)*

#### RJ45 Low Profile, Style 4 Shield



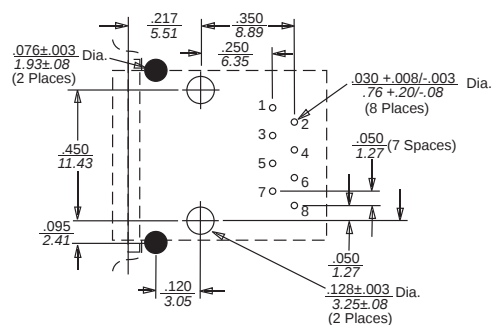
Part No.

RJ45-8N4-B

RJ45-8N4-S

RJ45-8Z4

#### RJ45 Low Profile PC Board Layout



For all RJ45 N and Z Series Models  
Shown from Component Side

All tolerances  $\pm 0.010$  [0.25] unless otherwise noted