

Inductive Filtering Modular RJ Jacks

L Series



UL Recognized
CSA Certified



L Series

- Inductive filtering in standard RJ11, RJ45, or handset jacks.
- Available with standard ferrite sleeve inductors or higher performance ferrite blocks
- Available unshielded or shielded with board grounded shield or spring fingered panel ground interface

Available Part Numbers

Inductor Filter	
RJH-4L-B	RJ45-6L-S
RJ11-2L-S	RJ45-6L-B
RJ11-2L-B	RJ45-8L-S
RJ11-4L-S	RJ45-8L-B
RJ11-4L-B	
RJ11-6L-S	
RJ11-6L-B	

Inductor Filter and Shield	
RJ11-2L2-B	RJ45-6L1-S
RJ11-4L1-S	RJ45-6L1-B
RJ11-4L1-B	RJ45-6L2-S
RJ11-4L2-S	RJ45-6L2-B
RJ11-4L2-B	RJ45-8L1-S
RJ11-6L1-S	RJ45-8L1-B
RJ11-6L1-B	RJ45-8L2-S
RJ11-6L2-S	RJ45-8L2-B
RJ11-6L2-B	



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.
- Ferrites:**
 Type: High resistivity, nickel zinc ceramic
 Sleeves: Single-aperture cylinders
 Block: Multi-aperture rectangular prism
- 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

Typical Impedance in Ohms



Model dimensions and PC board layout on pages 255-259

Inductive Filtering Ganged Modular RJ Jacks

L - Ganged Series



UL Recognized
CSA Certified



L - Ganged Series

- Ganged version of our L Series filtered jacks
- Available in RJ11 models with block inductors
- Available in gangs of 2, 4 or 6
- Retrofits existing unfiltered ganged jack footprints

Dimensions and PC Board Layout



Ports	A	B	C	D
2	0.99	0.87	0.795	.87
	25.15	22.1	20.19	22.1
4	1.93	1.81	1.735	1.81
	49.02	45.97	44.07	25.97
6	2.87	2.75	2.675	2.75
	72.9	69.85	67.95	69.85

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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

2RJ11-6L-B	4RJ11-6L-B
6RJ11-6L-B	

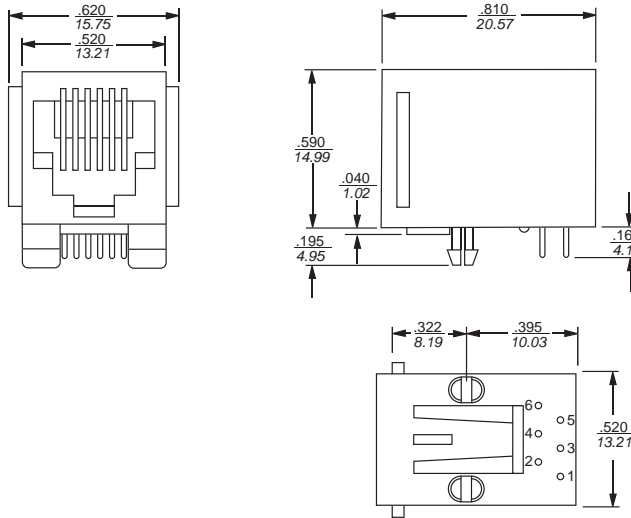
Typical Impedance in Ohms



Model Dimensions

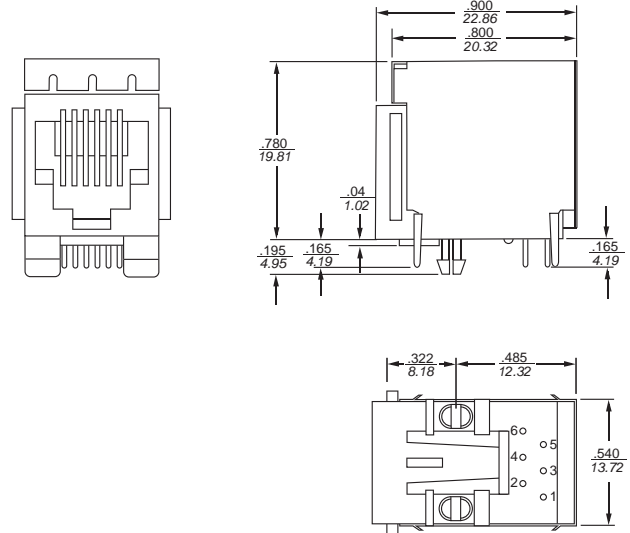
L, LC, LCT and X Series RJ Jack Dimensions

RJ11 - No Shield



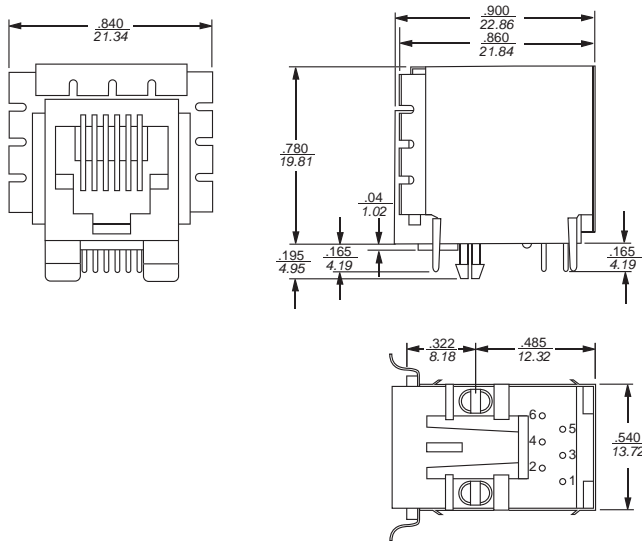
Part No.		
RJ11-2L-S	RJ11-2L-B	RJ11-2X
RJ11-4L-S	RJ11-4L-B	RJ11-4X
RJ11-6L-S	RJ11-6L-B	RJ11-6X

RJ11 - Style 2 Shield



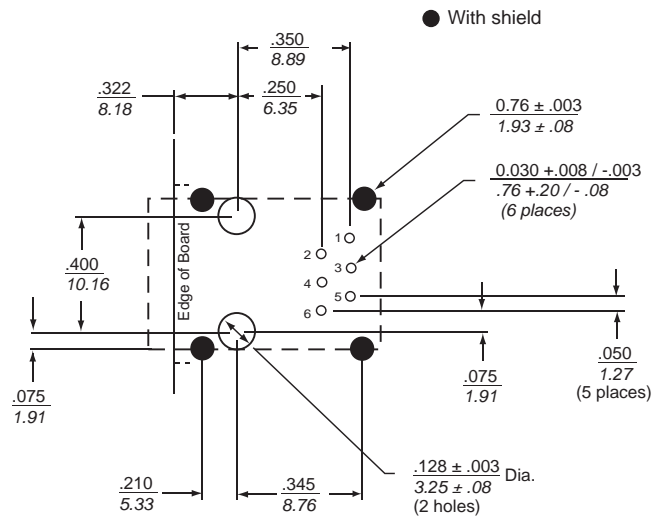
Part No.			
RJ11-2LC2-S	RJ11-2LC2-B	RJ11-4L2-S	RJ11-6L2-B
RJ11-4LC2-S	RJ11-4LC2-B	RJ11-6L2-S	RJ11-6LCT2-S
RJ11-6LC2-S	RJ11-6LC2-B	RJ11-4L2-B	RJ11-6LCT2-B

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



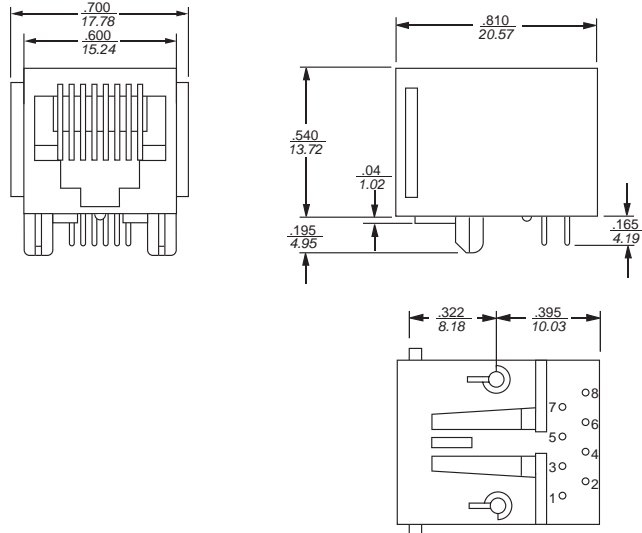
For all RJ11 L, LC, LCT and X Series Models
Shown from Component Side

All tolerances ± 0.010 [0.25] unless otherwise noted

Model Dimensions (continued)

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

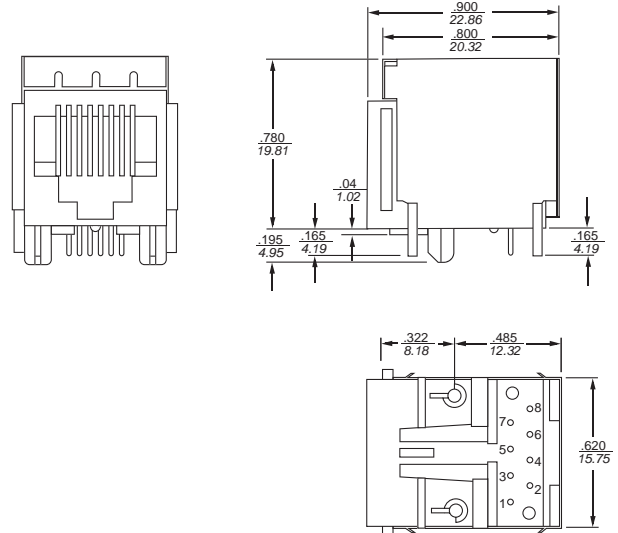
RJ45 - No Shield



Part No.

RJ45-6L-S	RJ45-8L-B
RJ45-8L-S	RJ45-6X
RJ45-6L-B	RJ45-8X

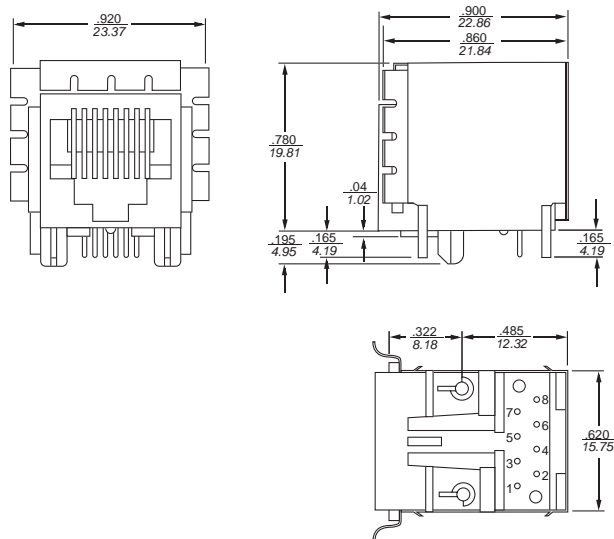
RJ45 - Style 2 Shield



Part No.

RJ45-6LC2-S	RJ45-8LC2-S	RJ45-6LC2-B	RJ45-8LC2-B
RJ45-6L2-S	RJ45-8L2-S	RJ45-6L2-B	RJ45-8L2-B
RJ45-8LCT2-S	RJ45-8LCT2-B		

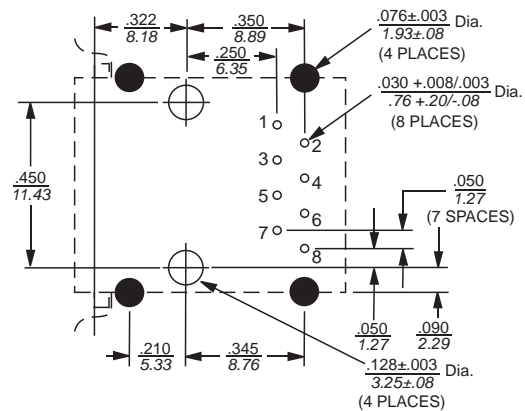
RJ45 - Style 1 Shield



Part No.

RJ45-6LC1-S	RJ45-8LC1-S	RJ45-6LC1-B
RJ45-6L1-S	RJ45-8L1-S	RJ45-6L1-B
RJ45-8LCT1-S	RJ45-8LCT1-B	RJ45-8LC1-B
		RJ45-8L1-B

RJ45 - PC Board Layout



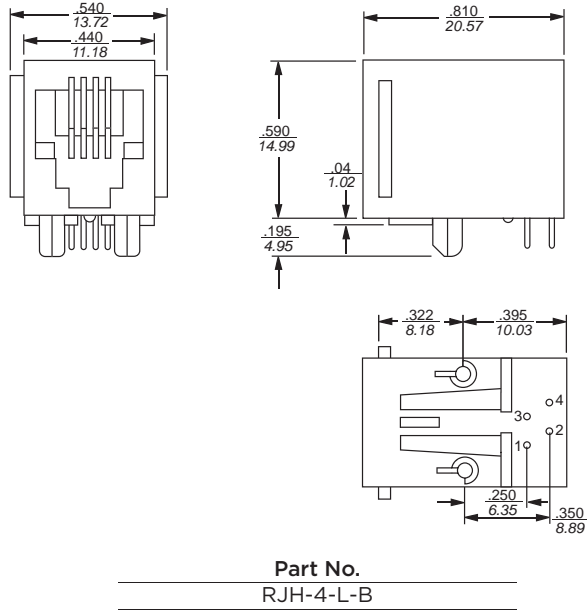
For all RJ45 L, LC, LCT and X Series Models
Shown from Component Side

All tolerances ± 0.010 [0.25] unless otherwise noted

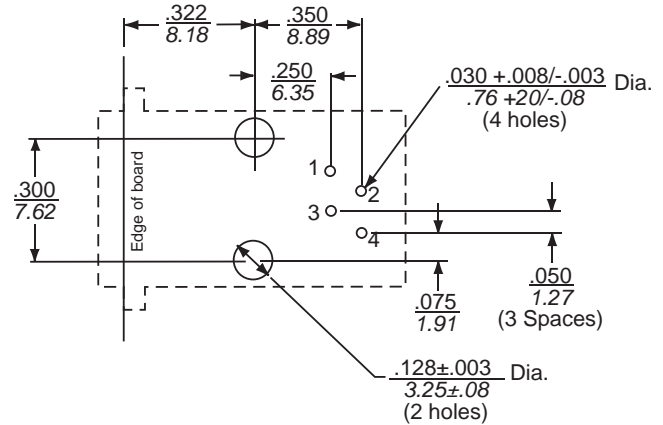
Model Dimensions (continued)

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

RJH - No Shield

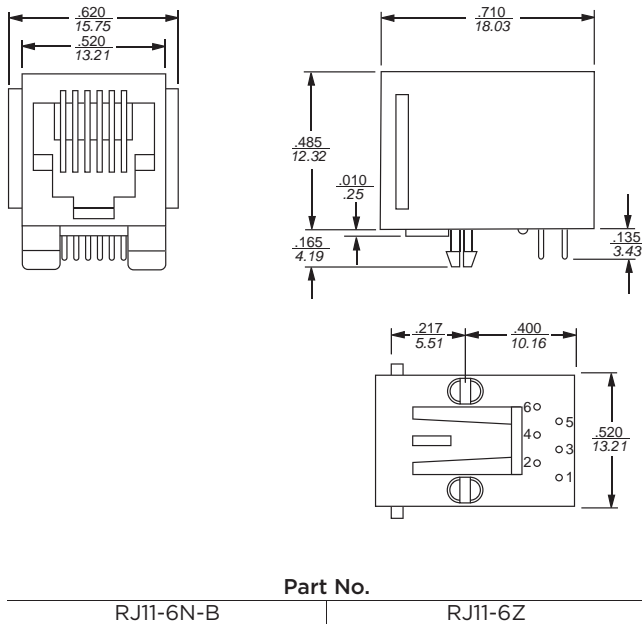


RJH - PC Board Layout

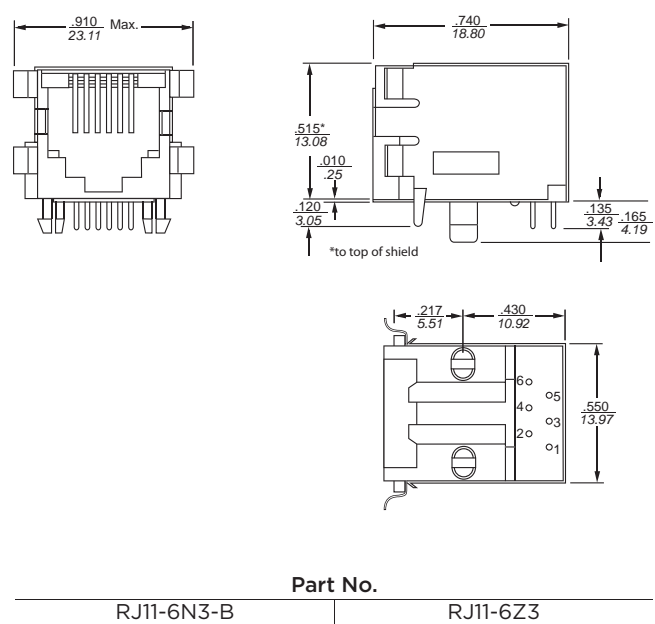


N and Z Series RJ Jack Dimensions

RJ11 - Low Profile, No Shield



RJ11 Low Profile, Style 3 Shield

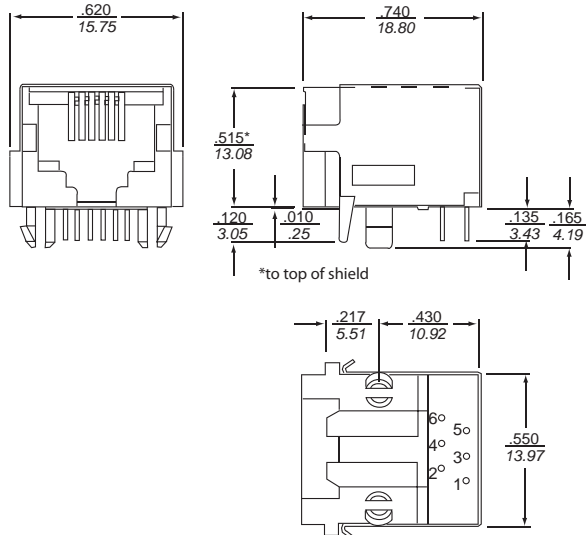


All tolerances ± 0.010 [0.25] unless otherwise noted

Model Dimensions (continued)

N and Z Series RJ Jack Dimensions (continued)

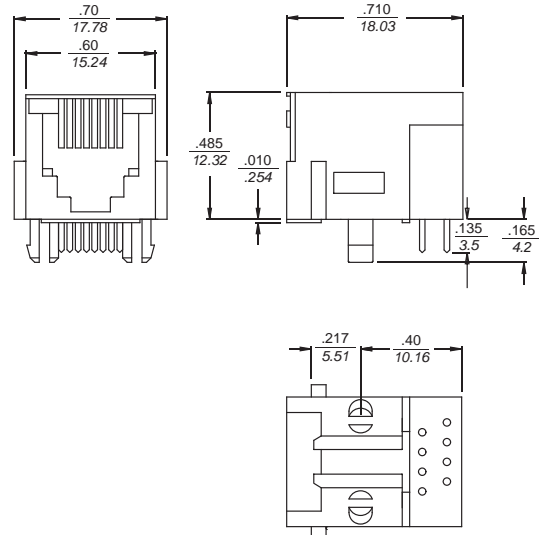
RJ11 Low Profile, Style 4 Shield



Part No.

RJ11-6N4-B	RJ11-6Z4
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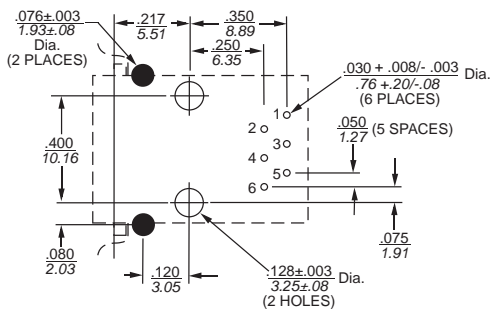
RJ45 - Low Profile, No Shield



Part No.

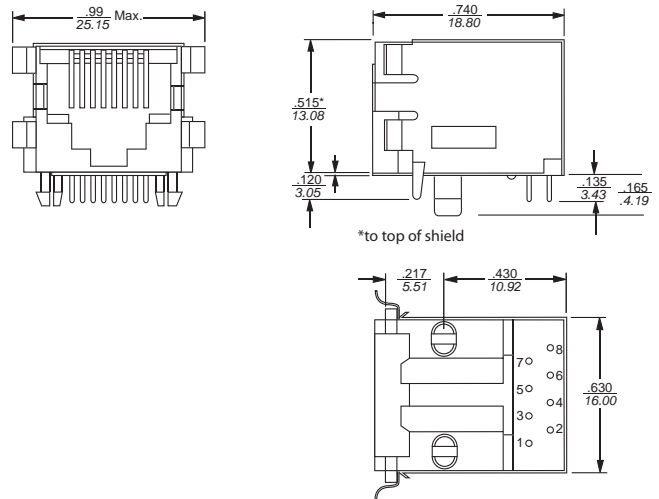
RJ45-8N-B	RJ45-8N-S	RJ45-8Z
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RJ11 Low Profile, PC Board Layout



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

RJ45 - Low Profile, Style 3 Shield



Part No.

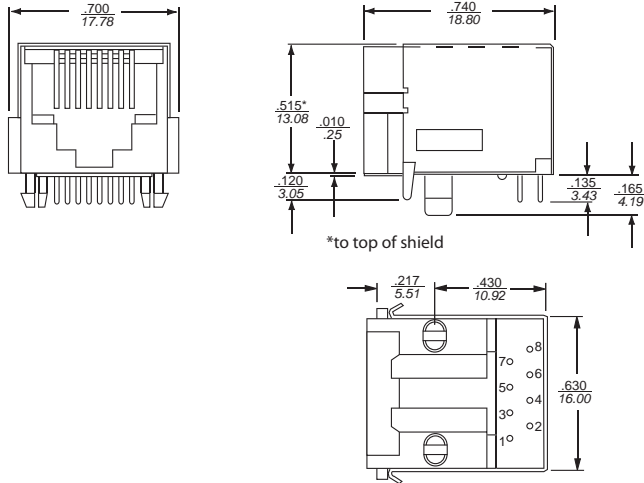
RJ45-8N3-B	RJ45-8N3-S	RJ45-8Z3
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All tolerances ± 0.010 [0.25] unless otherwise noted

Model Dimensions *(continued)*

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

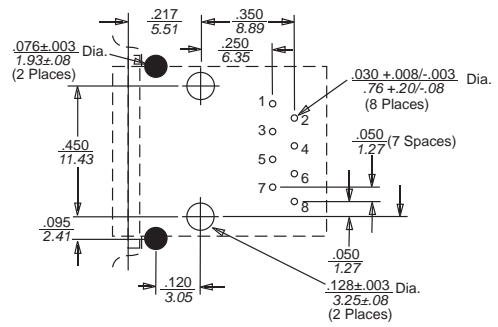
RJ45 Low Profile, Style 4 Shield



Part No.

RJ45-8N4-B	RJ45-8N4-S	RJ45-8Z4
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RJ45 Low Profile PC Board Layout



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

All tolerances ± 0.010 [0.25] unless otherwise noted