LCT Series

UL Recognized
CSA Certified

Shield 2 RJ11

Shield 1 RJ11

Shield 2 RJ45

Shield 1 RJ45

LCT Series

- Low capacitance model for improved performance.
- Particularly suited for ethernet applications
- Available with block or sleeve inductance
- Available with board grounded shield or spring fingered panel ground interface

Performance Data

Typical Insertion Loss

Line to ground (stop band) in 50 Ohm circuit

	Frequency – MHz						
Model	**40**	**100**	**200**	**250**	**300**	**500**	**1000**
S – Ferrite Sleeves	8	12	27	50	38	25	20
B – Ferrite Blocks	10	18	22	55	40	28	24

Line to line (pass band) in 50 Ohm circuit

	Frequency – MHz						
Model	**2**	**5**	**10**	**30**	**50**	**70**	**100**
S – Ferrite Sleeves	-	1.2	1.9	4	5	7	10
B – Ferrite Blocks	1	2	3	5	8	10	13

Model dimensions and PC board layout on pages 255-259

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.

Capacitors:
Type: Monolithic ceramic chip
Standard Value: 82 pF
Standard Tolerance: ± 20%

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

Available Part Numbers

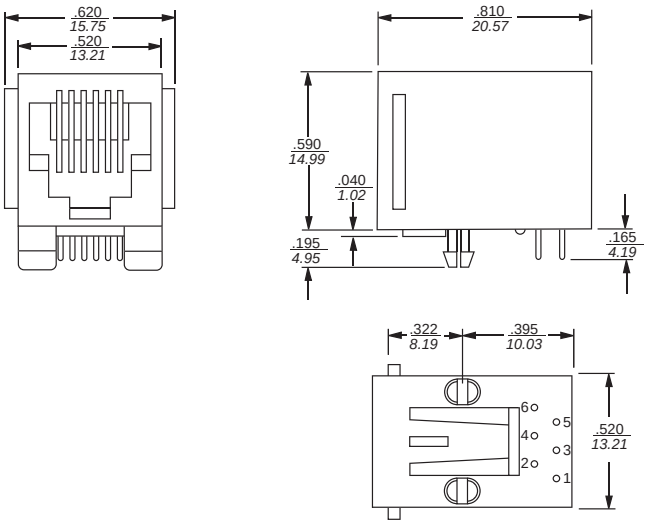
RJ11-6LCT1-S	RJ45-8LCT1-S
RJ11-6LCT1-B	RJ45-8LCT1-B
RJ11-6LCT2-S	RJ45-8LCT2-S
RJ11-6LCT2-B	RJ45-8LCT2-B

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

For email, phone or live chat, please go to
te.com/help
corcom.com

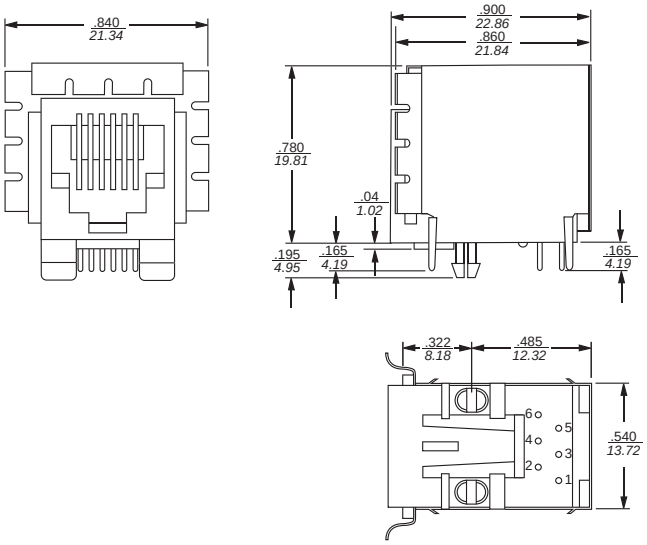
L, LC, LCT and X Series RJ Jack Dimensions

RJ11 – No Shield



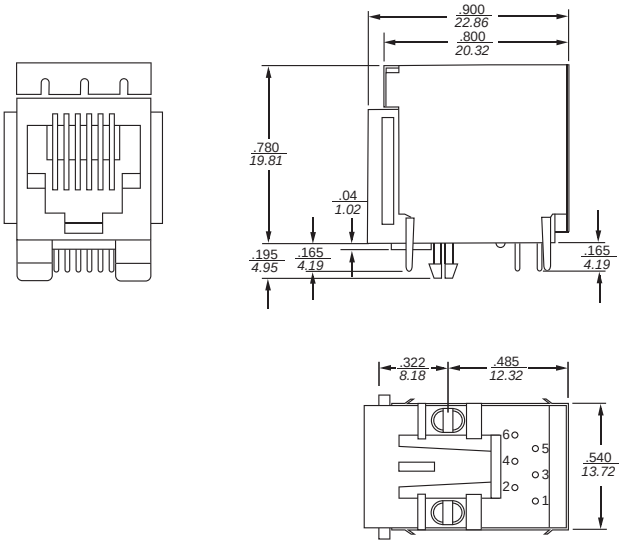
Part No.		
RJ11-2L-S	RJ11-2L-B	RJ11-2X
RJ11-4L-S	RJ11-4L-B	RJ11-4X
RJ11-6L-S	RJ11-6L-B	RJ11-6X

RJ11 – Style 1 Shield



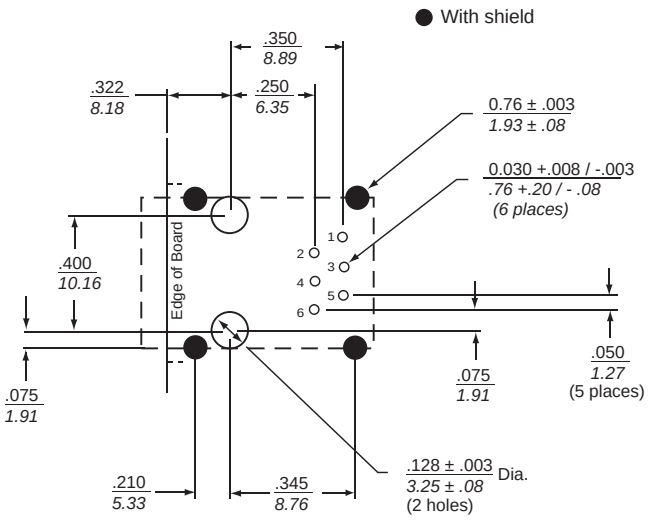
Part No.			
RJ11-2LC1-S	RJ11-2LC1-B	RJ11-4L1-S	RJ11-6L1-B
RJ11-4LC1-S	RJ11-4LC1-B	RJ11-6L1-S	RJ11-6LCT1-S
RJ11-6LC1-S	RJ11-6LC1-B	RJ11-4L1-B	RJ11-6LCT1-B

RJ11 – 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 – PC Board Layout



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

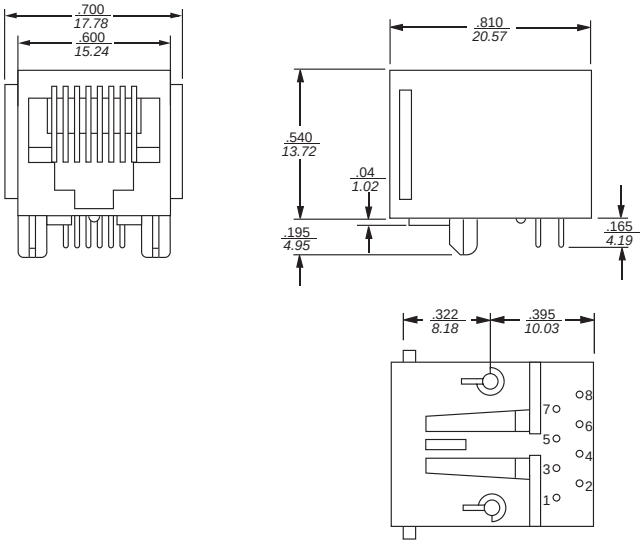
All tolerances ± 0.010 [0.25] unless otherwise noted

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

Model Dimensions *(continued)*

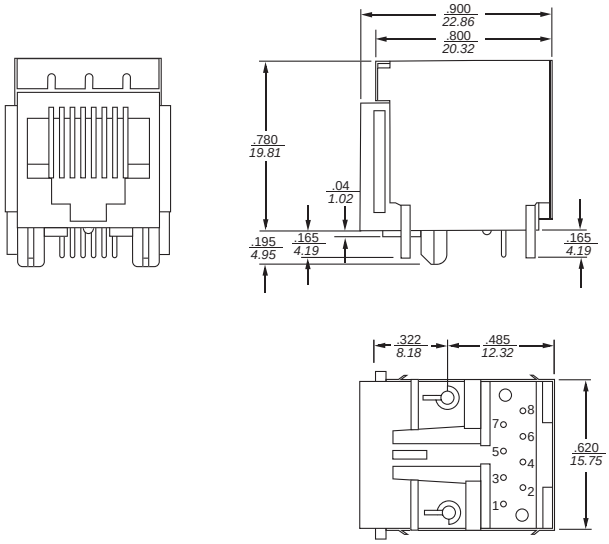
L, LC, LCT and X Series RJ Jack Dimensions *(continued)*

RJ45 – No Shield



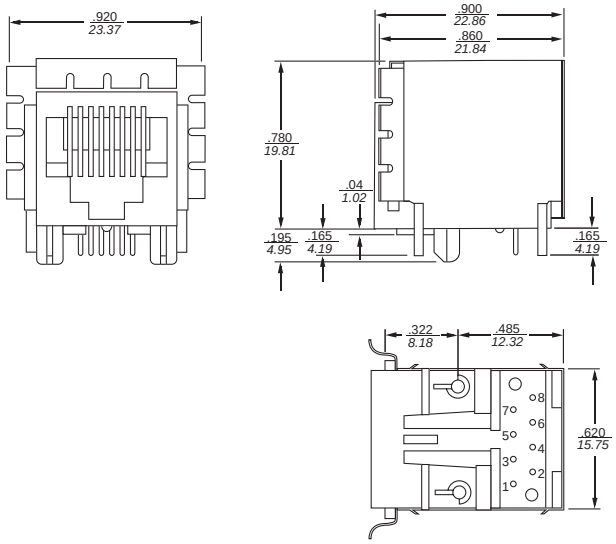
Part No.	
RJ45-6L-S	RJ45-8L-B
RJ45-8L-S	RJ45-6X
RJ45-6L-B	RJ45-8X

RJ45 – Style 2 Shield



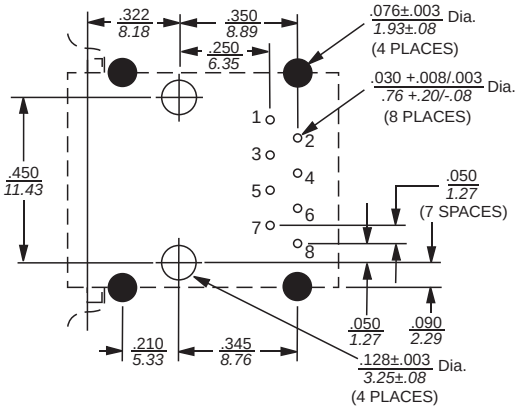
Part No.			
RJ45-6LC2-S	RJ45-8LC2-S	RJ45-6LC2-B	RJ45-8LC2-B
RJ45-6L2-S	RJ45-8L2-S	RJ45-6L2-B	RJ45-8L2-B
RJ45-8LCT2-S	RJ45-8LCT2-B		

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



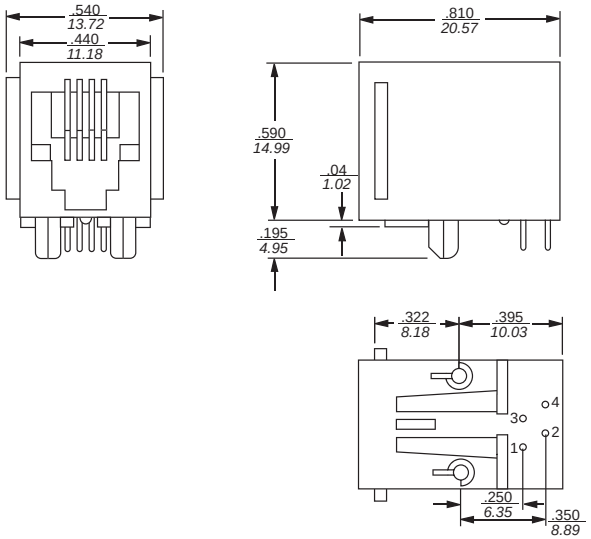
For all RJ45 L, LC, LCT and X Series Models Shown from Component Side

All tolerances ± 0.010 [*0.25*] unless otherwise noted

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

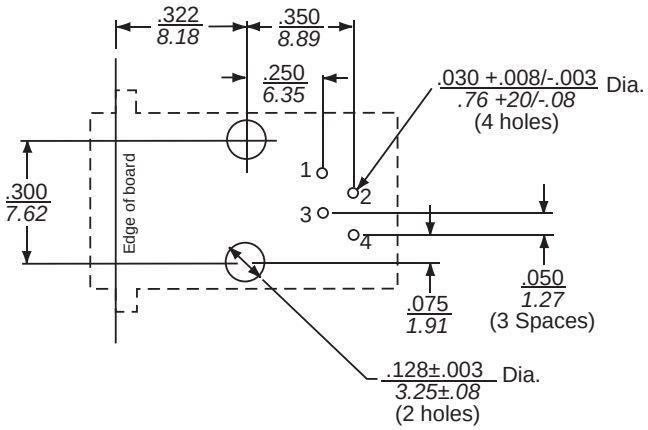
L, LC, LCT and X Series RJ Jack Dimensions *(continued)*

RJH – No Shield



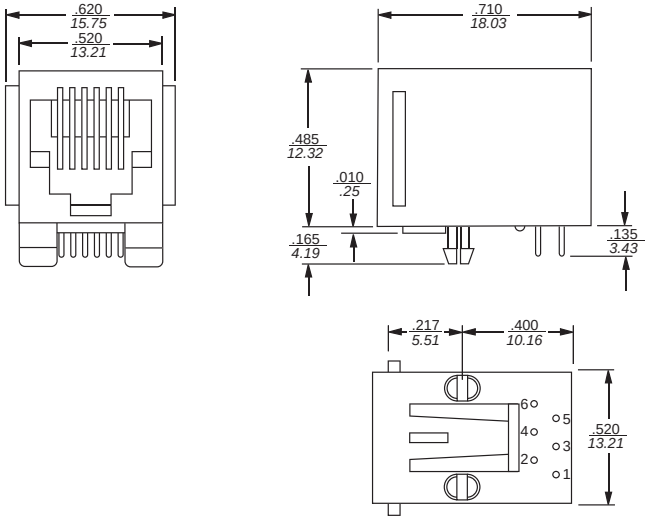
Part No.
RJH-4-L-B

RJH – PC Board Layout



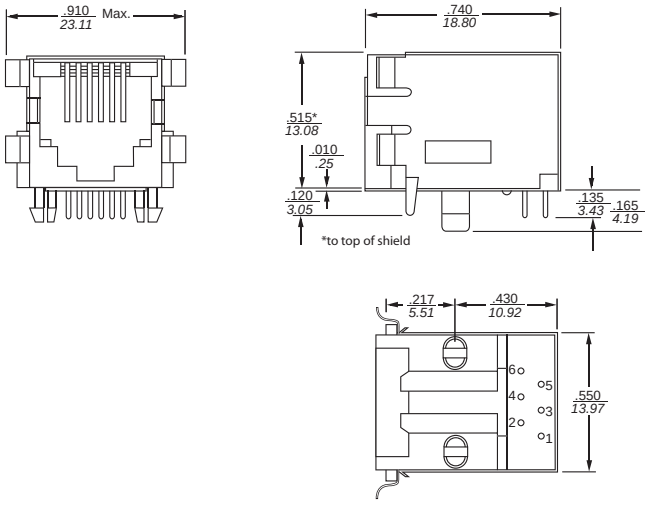
N and Z Series RJ Jack Dimensions

RJ11 – Low Profile, No Shield



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

RJ11 Low Profile, Style 3 Shield



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

All tolerances ± 0.010 [*0.25*] unless otherwise noted

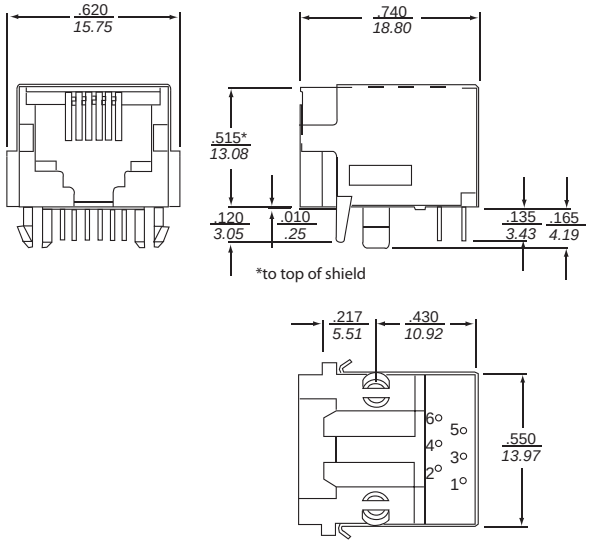
257

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

For email, phone or live chat, please go to
te.com/help
corcom.com

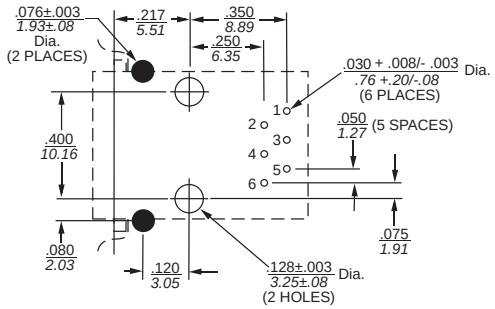
N and Z Series RJ Jack Dimensions *(continued)*

RJ11 Low Profile, Style 4 Shield



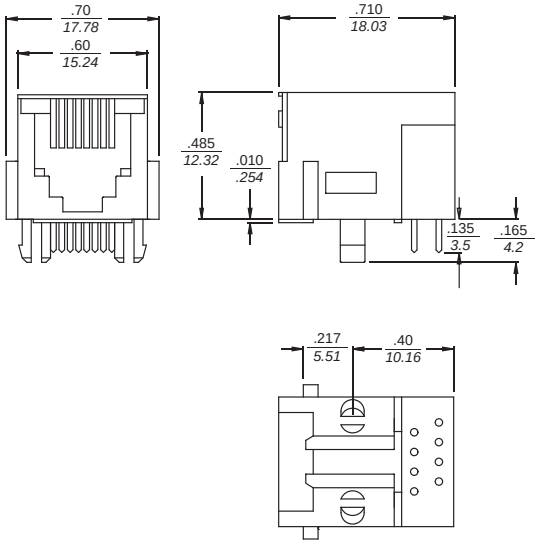
Part No.	
RJ11-6N4-B	RJ11-6Z4

RJ11 Low Profile, PC Board Layout



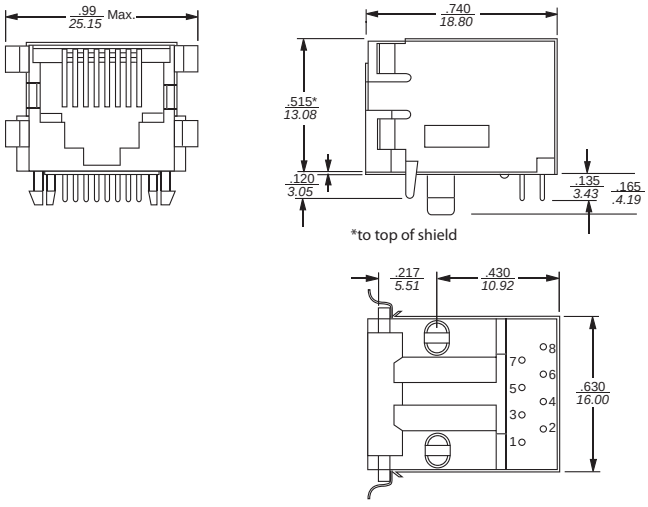
For all RJ11 N and Z Series Models
Shown from Component Side

RJ45 – Low Profile, No Shield



Part No.		
RJ45-8N-B	RJ45-8N-S	RJ45-8Z

RJ45 – Low Profile, Style 3 Shield



Part No.		
RJ45-8N3-B	RJ45-8N3-S	RJ45-8Z3

All tolerances ± 0.010 [*0.25*] unless otherwise noted

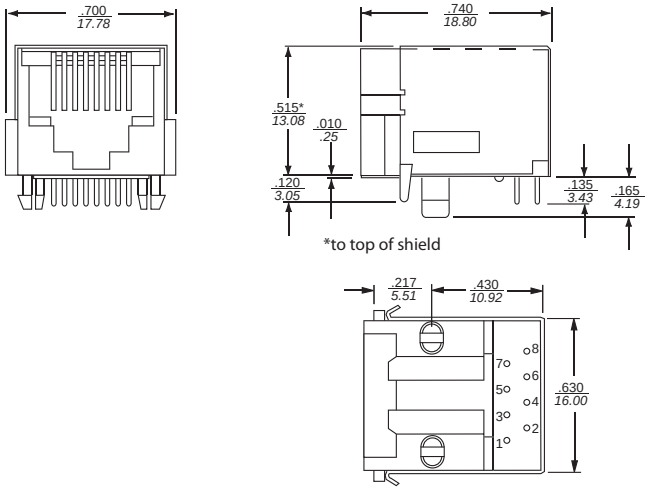
Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

For email, phone or live chat, please go to
te.com/help
corcom.com

Model Dimensions *(continued)*

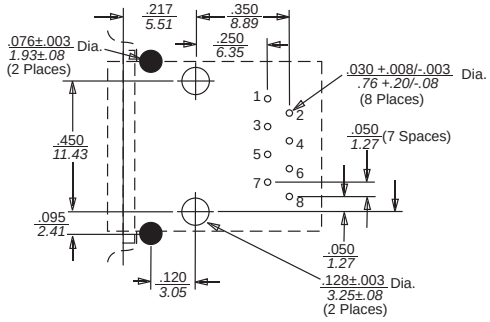
N and Z Series RJ Jack Dimensions *(continued)*

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 ± 0.010 [*0.25*] unless otherwise noted

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

For email, phone or live chat, please go to
te.com/help
corcom.com