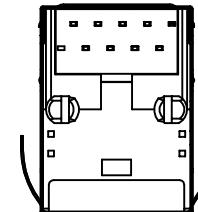
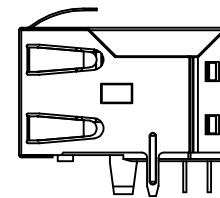
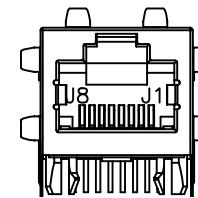
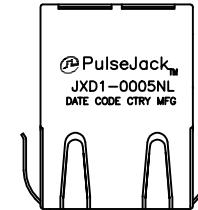


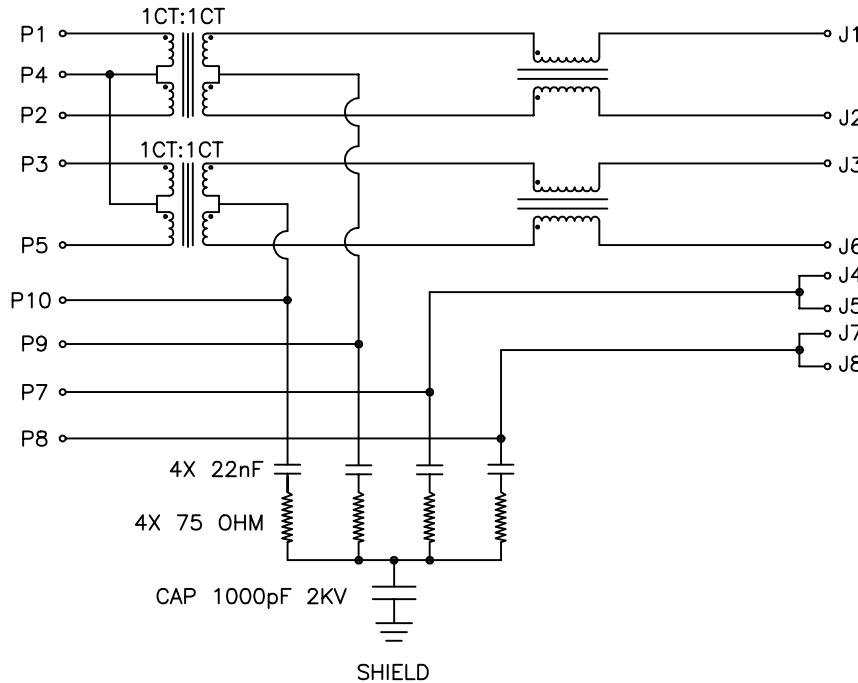
NOTES:

1. CONNECTOR MATERIAL:  
HOUSING: PA66 BLACK UL94 V-0  
SHIELD: Brass  
SHIELD PLATING: NICKEL  
CONTACT: COOPER ALLOY  
CONTACT PLATING: SELECTIVE GOLD, 30 MICRO-INCHES MIN IN CONTACT AREA
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL DRAWING FOR OMITTED PINS
3. RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68.
4. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECS MAX
5. OPERATING TEMPERATURE T=-40°C TO +85°C.
6. STORAGE TEMPERATURE T=-40°C TO +85°C.
7. ALL CRITICAL DIMENSIONS WITH “\*”
8. PACKAGING INFORMATION: 50 PCS/ TRAY, 1200 PCS/BOX.



FINAL OUTLINE

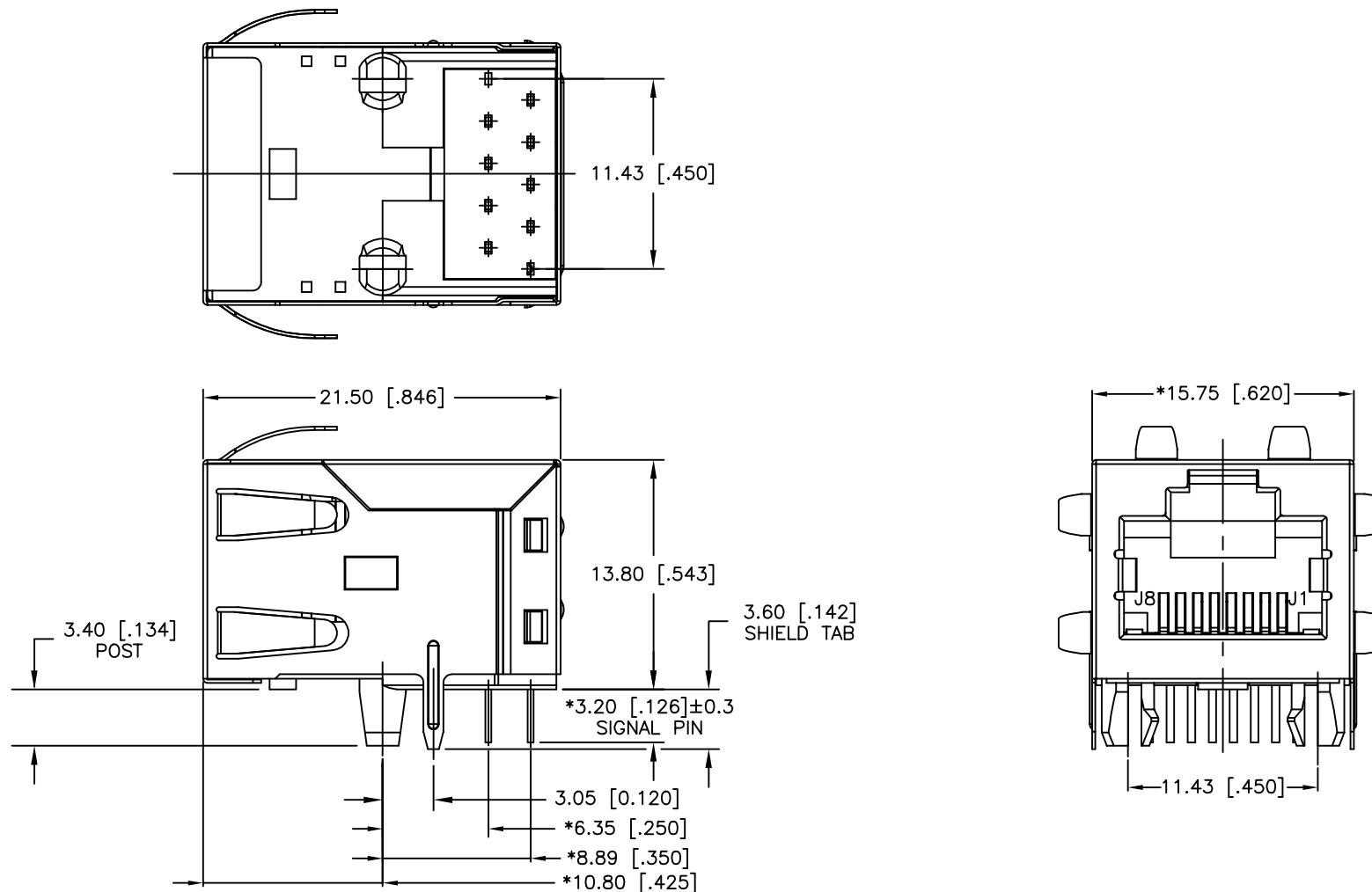
| PRODUCT DESCRIPTION       | TLA DRAWING    | PS DRAWING | SHEET  | PART NO.    | DATASHEET REV. |
|---------------------------|----------------|------------|--------|-------------|----------------|
| CONN,RJ45,1X1,100P,1:1,TU | JXD1-0005NL-X1 | -          | 1 OF 5 | JXD1-0005NL | B              |



#### ELECTRONICAL SPECIFICATIONS:

- 1.0 TURN RATIO @100KHz:  $(P1 \sim P2):(J1 \sim J2) = 1:1 \pm 5\%$   
 $(P3 \sim P5):(J3 \sim J6) = 1:1 \pm 5\%$
- 2.0 PRIMARY INDUCTANCE: 350uH MIN @100KHZ, 0.1V 8mA DC BIAS
- 3.0 DC RESISTANCE:  $(J1 \sim J2):(J3 \sim J6) = 1.2 \text{ OHMS MAX}$
- 4.0 INSERTION LOSS: 1–100MHz  $-1.2 \text{dB MAX}$
- 5.0 RETURN LOSS: 1–30MHz  $-16 \text{dB MIN}$   
30–60MHz  $-12 \text{dB MIN}$   
60–80MHz  $-10 \text{dB MIN}$
- 6.0 CROSS TALK: 1–100MHz  $-30 \text{dB MIN}$
- 7.0 COMMON TO COMMON MODE ATTENUATION: 1–100MHz  $-30 \text{dB MIN}$
- 8.0 ISOLATION: PHY SIDE TO LINE SIDE: 1500VAC OR 2250VDC
- 9.0 DC CURRENT/VOLTAGE RATING—PSE PINS: 350mA @57V(CONTINUOUS)

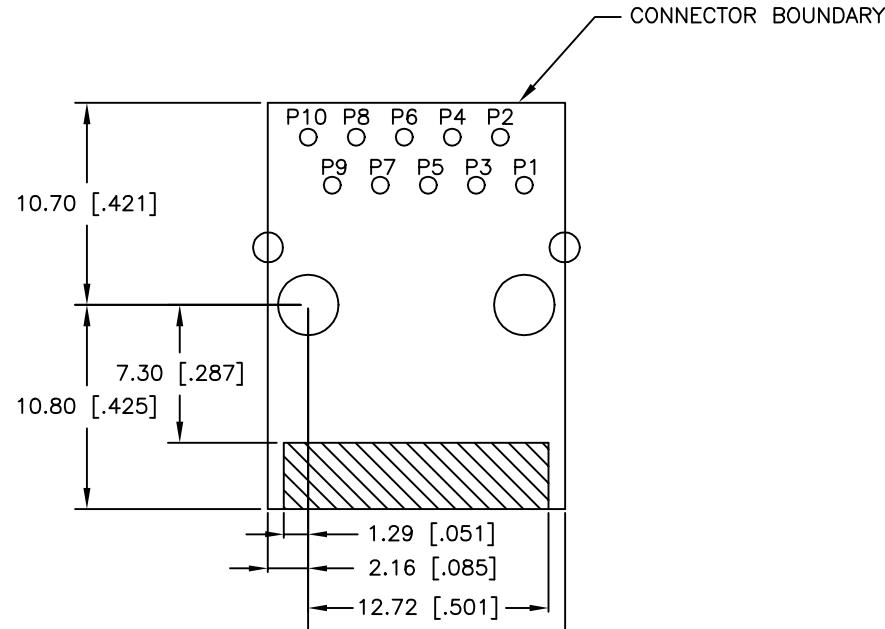
| PRODUCT DESCRIPTION       | TLA DRAWING    | PS DRAWING | SHEET  | PART NO.    | DATASHEET REV. |
|---------------------------|----------------|------------|--------|-------------|----------------|
| CONN,RJ45,1X1,100P,1:1,TU | JXD1-0005NL-X1 | —          | 2 OF 5 | JXD1-0005NL | B              |



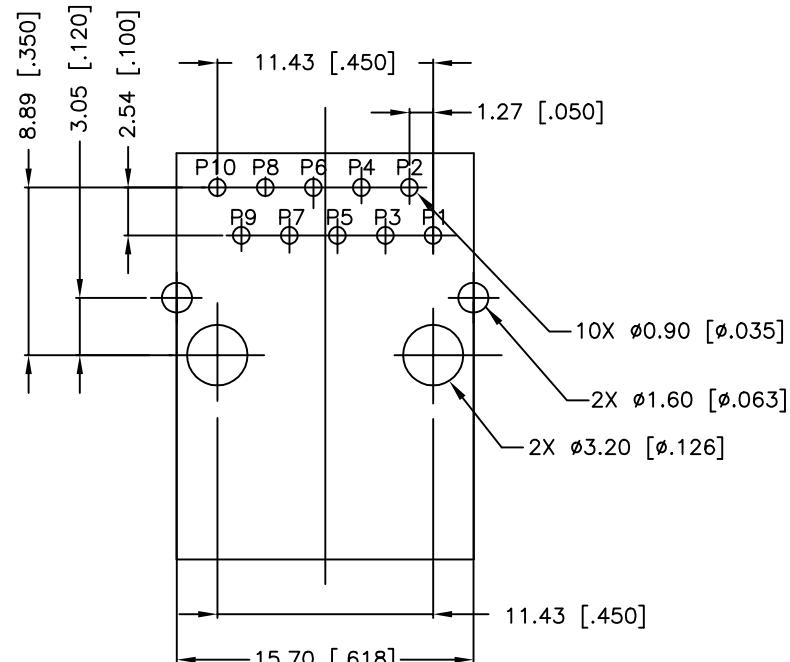
DIMENSIONS ARE IN MILLIMETERS [INCHES] WITH THE FOLLOWING  
TOLERANCES: [INCHES] ARE FOR REFERENCE ONLY.  
X.XX =  $\pm 0.25$  [ $\pm 0.010$ ]

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| PRODUCT DESCRIPTION       | TLA DRAWING    | PS DRAWING | SHEET  | PART NO.    | DATASHEET REV. |
|---------------------------|----------------|------------|--------|-------------|----------------|
| CONN,RJ45,1X1,100P,1:1,TU | JXD1-0005NL-X1 | -          | 3 OF 5 | JXD1-0005NL | B              |



KEEP-OUT AREA (COMPONENT SIDE SHOWN)

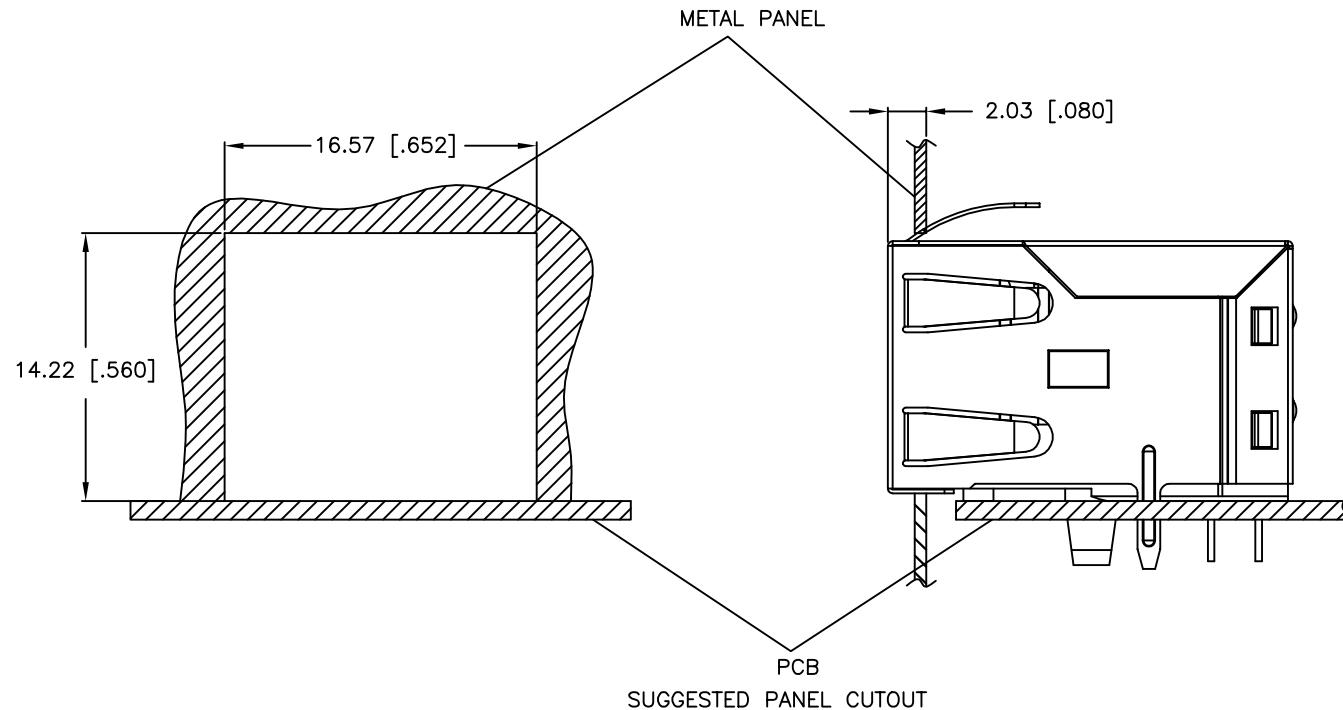


RECOMMENDED PWB LAYOUT  
(COMPONENT SIDE SHOWN)

DIMENSIONS ARE IN MILLIMETERS [INCHES] WITH THE FOLLOWING  
TOLERANCES: [INCHES] ARE FOR REFERENCE ONLY.  
 $X.XX = \pm 0.10$  [ $\pm 0.004$ ]

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| PRODUCT DESCRIPTION       | TLA DRAWING    | PS DRAWING | SHEET  | PART NO.    | DATASHEET REV. |
|---------------------------|----------------|------------|--------|-------------|----------------|
| CONN,RJ45,1X1,100P,1:1,TU | JXD1-0005NL-X1 | -          | 4 OF 5 | JXD1-0005NL | B              |



DIMENSIONS ARE IN MILLIMETERS [INCHES] WITH THE FOLLOWING  
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X.XX=  $\pm 0.10$  [ $\pm 0.004$ ]

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| PRODUCT DESCRIPTION       | TLA DRAWING    | PS DRAWING | SHEET  | PART NO.    | DATASHEET REV. |
|---------------------------|----------------|------------|--------|-------------|----------------|
| CONN,RJ45,1X1,100P,1:1,TU | JXD1-0005NL-X1 | -          | 5 OF 5 | JXD1-0005NL | B              |

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