

NOTES:

1. CONNECTOR MATERIAL:

HOUSING:PA66 BLACK UL94 V-0

INSERTER:PBT BLACK UL94 V-0

SHIELD:BRASS

SHIELD PLATING:NICKEL

CONTACT:COOPER ALLOY

CONTACT PLATING:SELECTIVE GOLD,30 MICRO-INCHS MIN  
IN CONTACT AREA

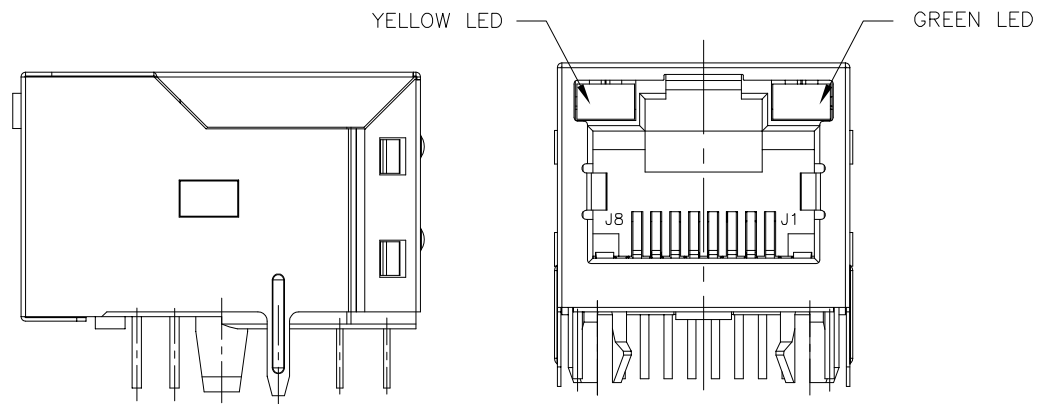
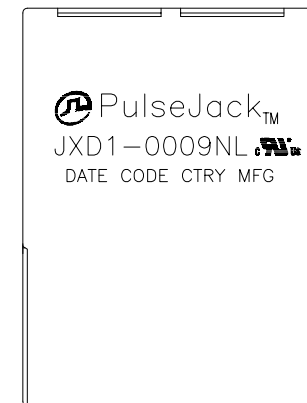
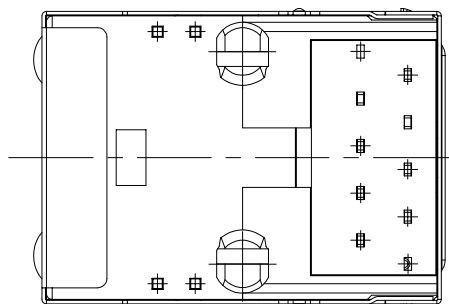
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE  
ELECTRICAL DRAWING FOR OMITTED PINS

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.

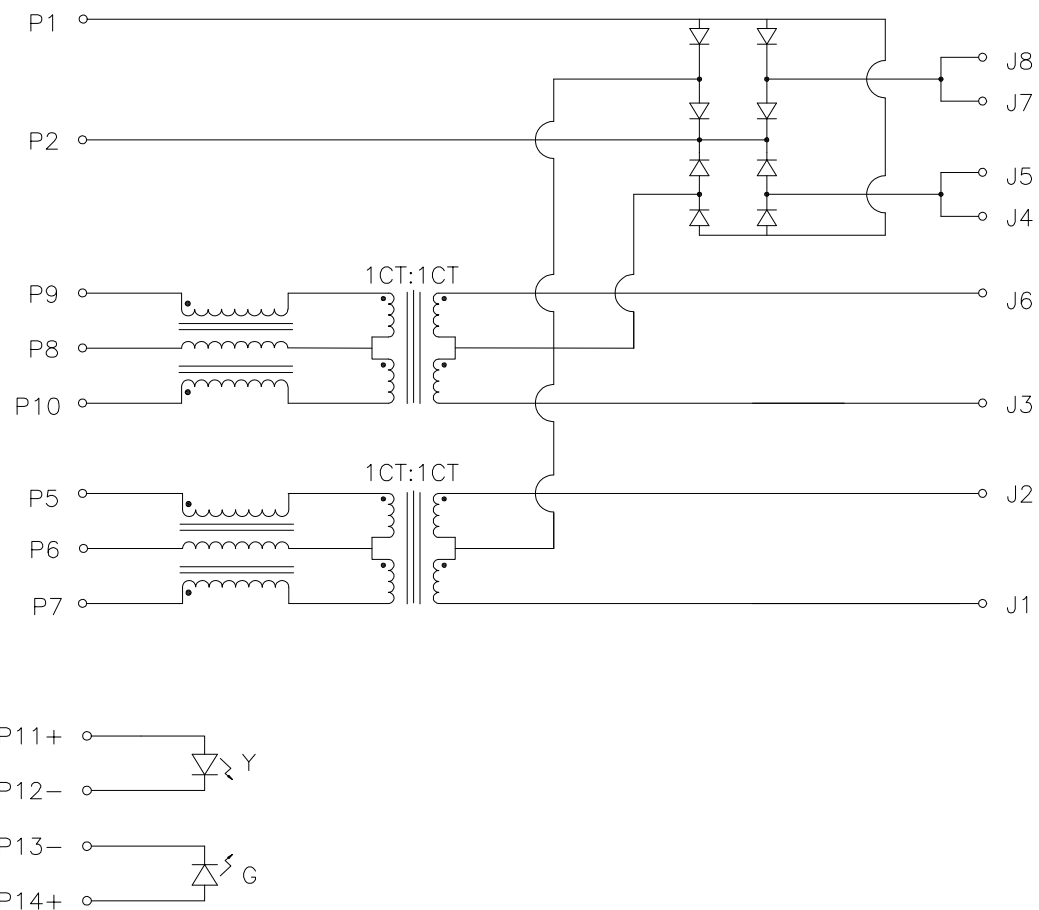
6. STORAGE TEMPERATURE T=-40°C TO +85°C.



FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,100P,1:1,TU	JXD1-0009NL-X1	-	1 OF 5	JXD1-0009NL	A



#### ELECTRONICAL SPECIFICATIONS:

- 1.0 TURN RATIO @100KHz: (P7~P5):(J1~J2) = 1:1±5%  
(P10~P9):(J3~J6) = 1:1±5%
- 2.0 PRIMARY INDUCTANCE: 350uH MIN @100KHz, 0.1V 8mA DC BIAS
- 3.0 DC RESISTANCE:(J1~J2):(J3~J6) 1.2 OHMS MAX
- 4.0 INSERTION LOSS: 1-100MHz -1.2dB MAX
- 5.0 RETURN LOSS: 1-30MHz -16dB MIN  
30-60MHz -12dB MIN  
60-80MHz -10dB MIN
- 6.0 CROSS TALK: 1-100MHz -30dB MIN
- 7.0 COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN
- 8.0 ISOLATION: PHY SIDE TO LINE SIDE: 500VAC
- 9.0 DC CURRENT/VOLTAGE RATING-PSE PINS: 350mA @57V(CONTINUOUS)

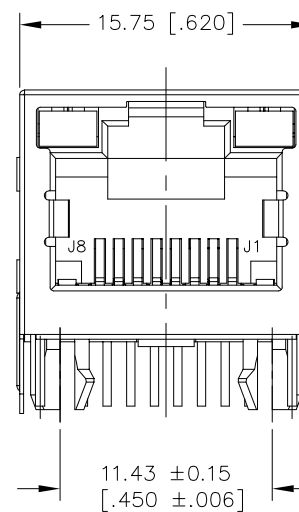
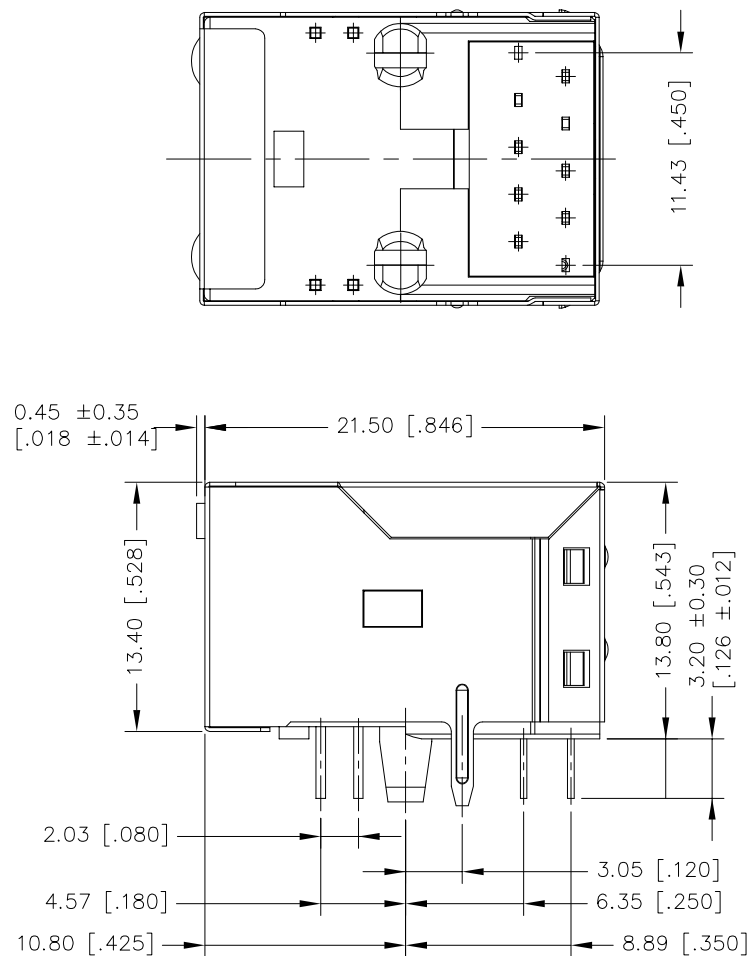
#### LED SPECIFICATION:

LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V(MAX)	TYP
GREEN	565nm	2.4V	2.2V
YELLOW	590nm	2.5V	2.1V

\*WITH A FORWARD CURRENT OF 20mA

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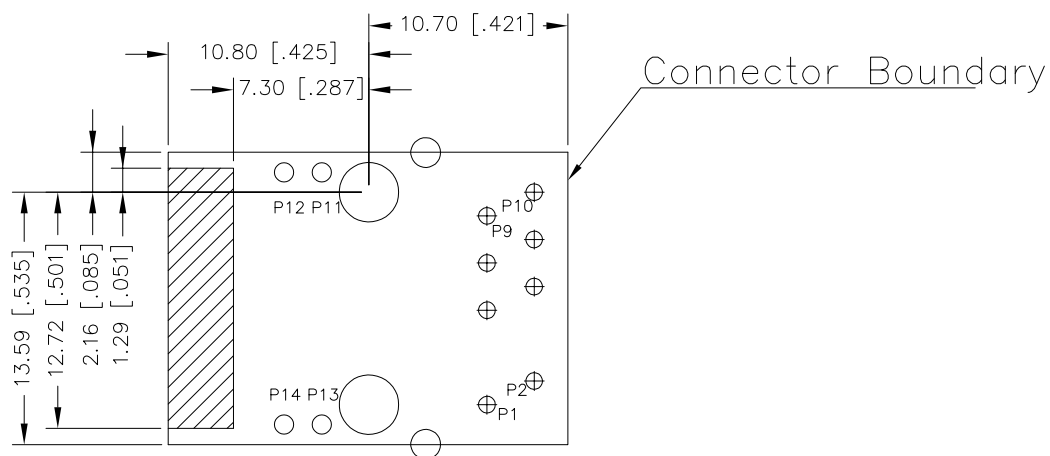
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CONN,RJ45,1X1,100P,1:1,TU	JXD1-0009NL-X1	-	2 OF 5	JXD1-0009NL	A



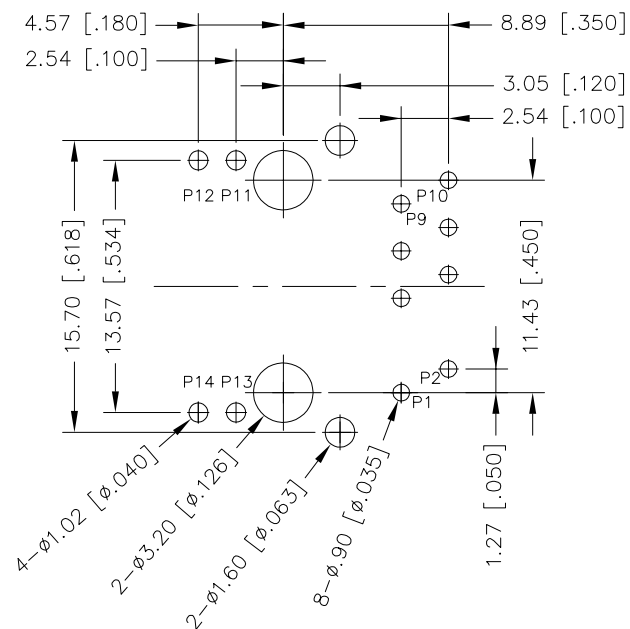
DIMENSIONS ARE IN MILLIMETERS [INCHES] WITH THE FOLLOWING  
TOLERANCES: [INCHES] ARE FOR REFERENCE ONLY.  
X.XX= ±0.25 [±.010]

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CONN,RJ45,1X1,100P,1:1,TU	JXD1-0009NL-X1	-	3 OF 5	JXD1-0009NL	A



KEEP-OUT AREA (COMPONENT SIDE SHOWN)

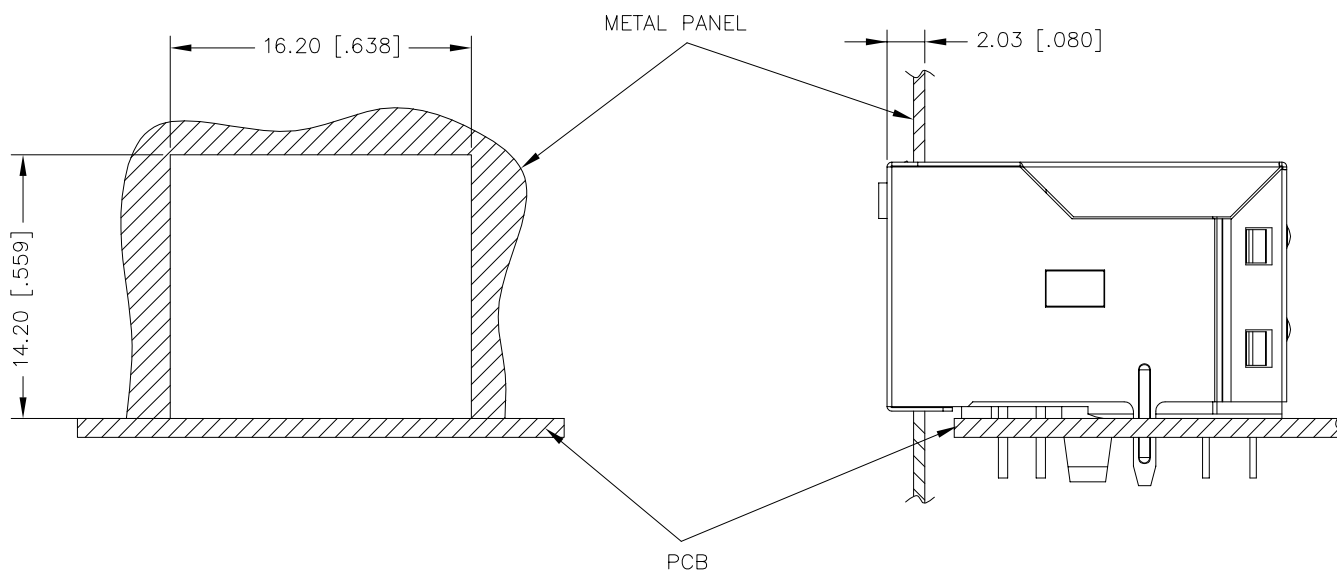


RECOMMENDED PWB LAYOUT  
(COMPONENT SIDE SHOWN)

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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SUGGESTED PANEL CUTOUT

DIMENSIONS ARE IN MILLIMETERS [INCHES] WITH THE FOLLOWING  
TOLERANCES: [INCHES] ARE FOR REFERENCE ONLY.  
X.XX=  $\pm 0.10$  [ $\pm .004$ ]

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# Mouser Electronics

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