

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,15 MICRO-INCHS MIN IN CONTACT AREA

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

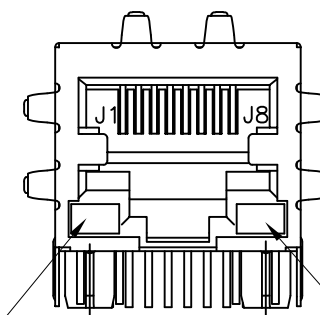
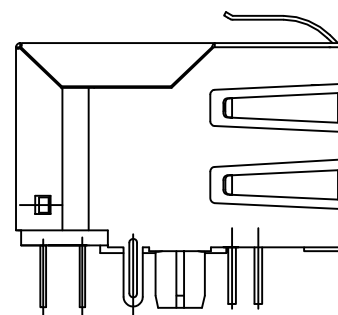
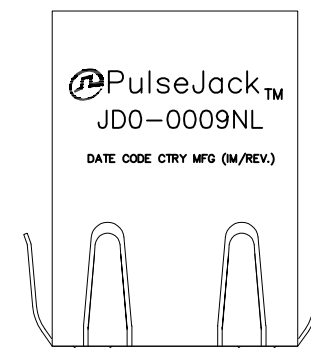
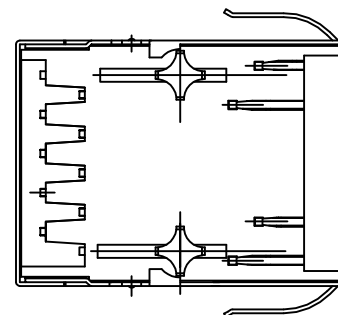
3.RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68.

4.THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS 260° C MAX,10 SECS MAX

5.OPERATING TEMPERATURE T=0°C TO +70°C.

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

7. PACKAGING INFORMATION: 50 PCS/ TRAY, 1200 PCS/BOX.

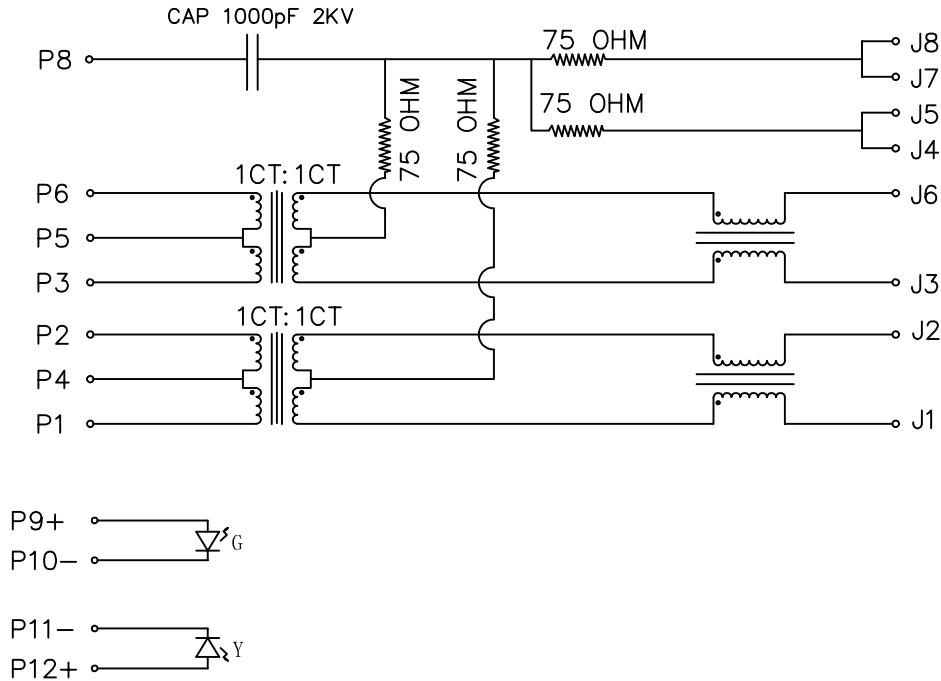


GREEN ——— YELLOW

FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45,1X1,100D,1:1,TY	JD0-0009NL-X01	—	1 OF 5	JD0-0009NL	A



SCHEMATIC

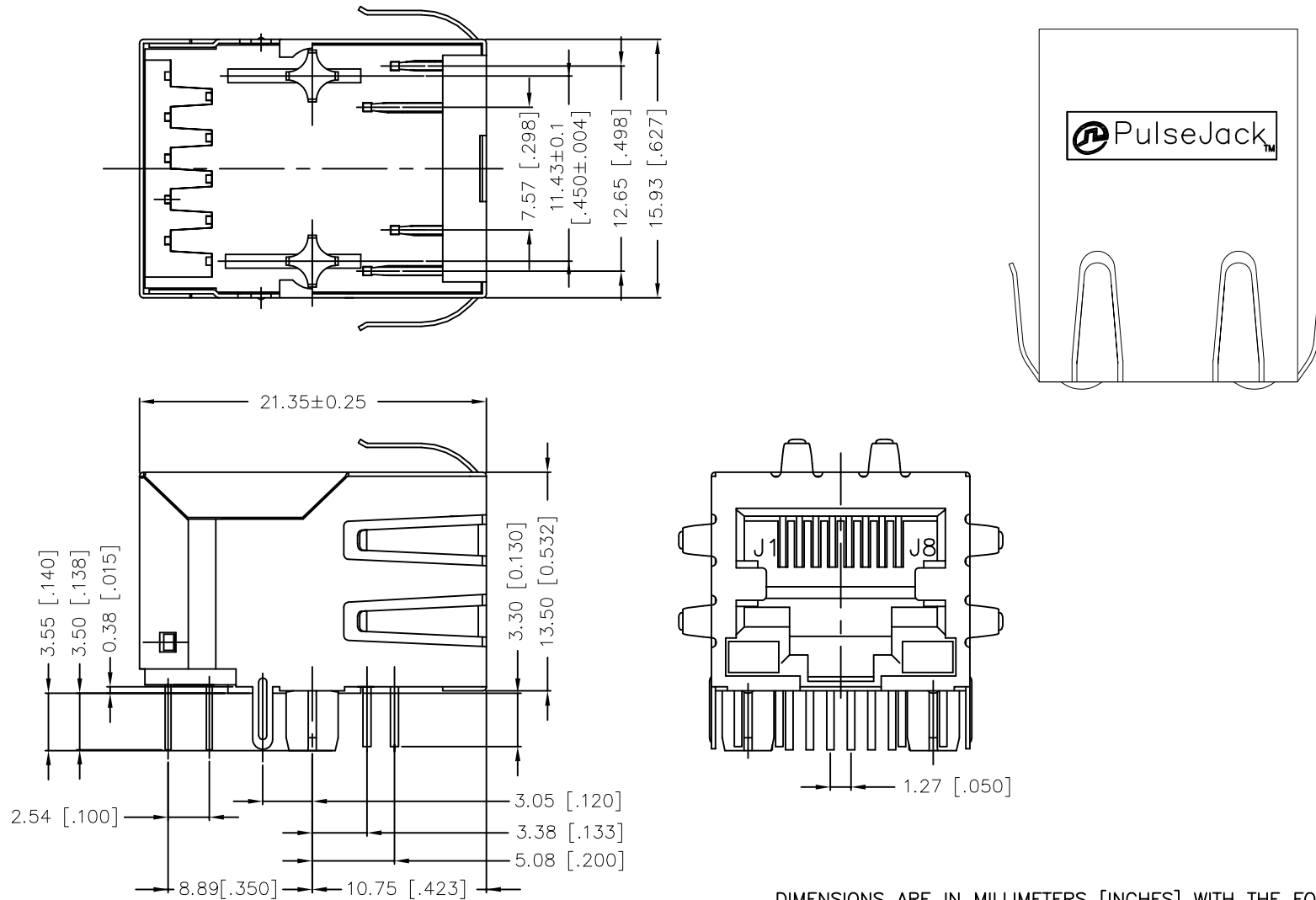
#### ELECTRONICAL SPECIFICATIONS:

- 1.0 TURN RATIO @100KHz: (P1~P2):(J1~J2) = 1:1±5%  
(P3~P6):(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: 1500VAC OR 2250VDC

#### LED SPECIFICATION:

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

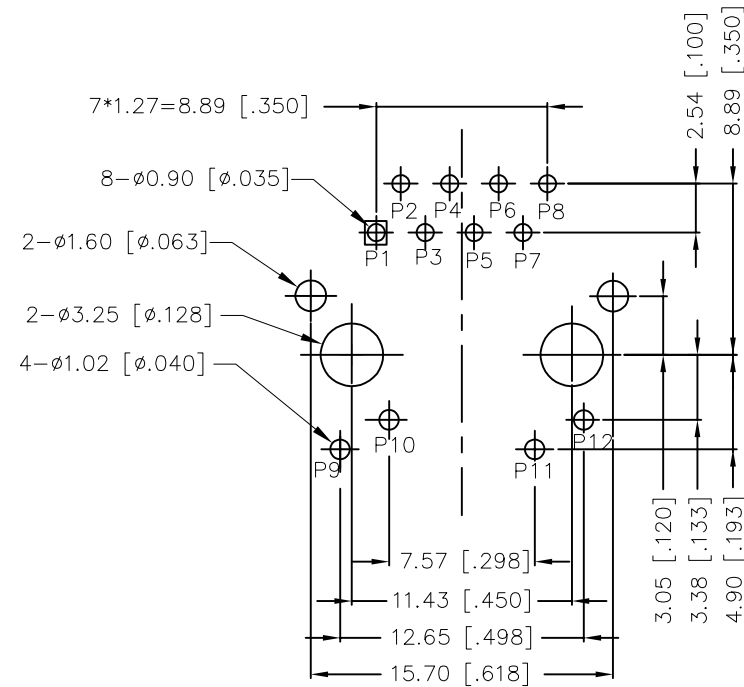
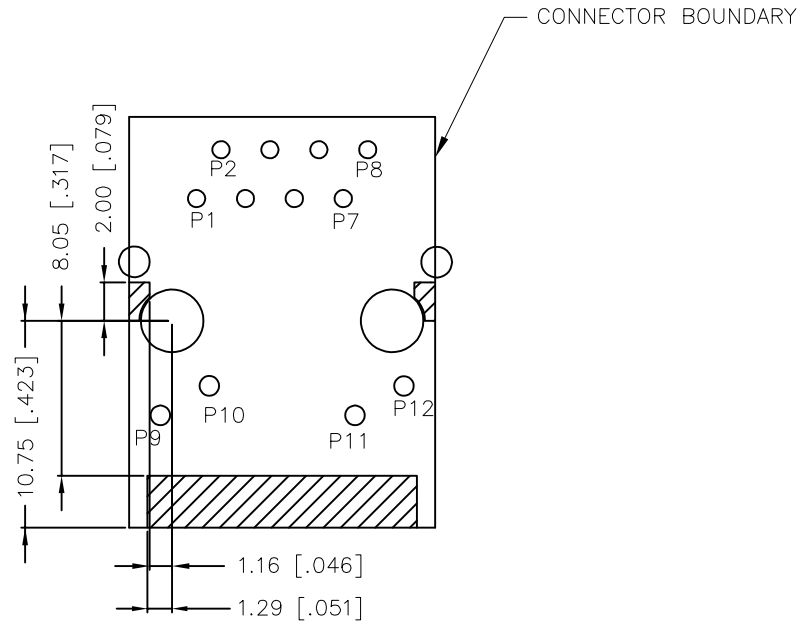
\*WITH A FORWARD CURRENT OF 20mA



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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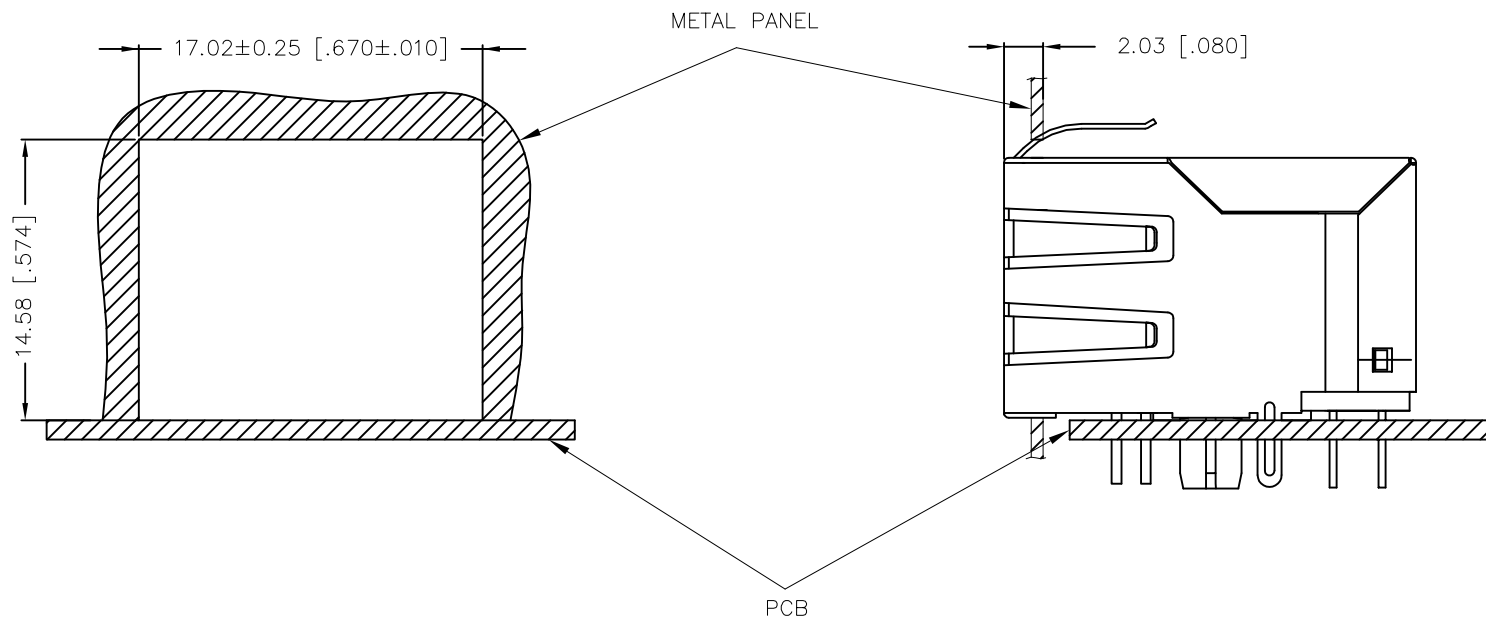
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CONN,RJ45,1X1,100D,1:1,TY	JD0-0009NL-X01	-	3 OF 5	JD0-0009NL	A



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

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SUGGESTED PANEL CUTOUT

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X.XX=  $\pm 0.10$  [ $\pm .004$ ]

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CONN,RJ45,1X1,100D,1:1,TY	JD0-0009NL-X01	-	5 OF 5	JD0-0009NL	A

# Mouser Electronics

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