



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



NOTES:

1.CONNECTOR MATERIAL:

HOUSING:THERMOPLASTIC UL94 V-0

SHIELD:BRASS

SHIELD PLATING:NICKEL

CONTACT:COOPER ALLOY

CONTACT PLATING: SELECTIVE GOLD,6 MICRO-INCHS MIN IN CONTACT AREA

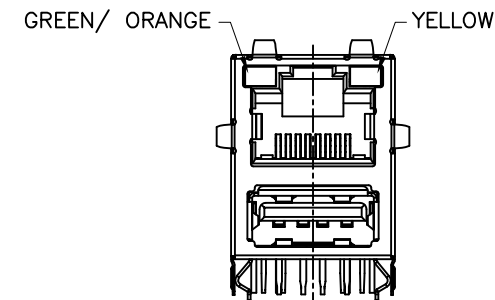
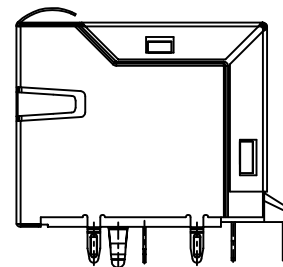
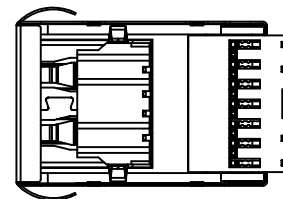
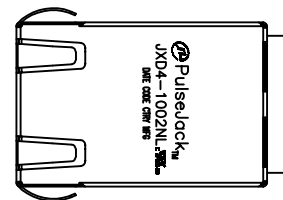
2.PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL DRAWING FOR OMITTED PINS

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.

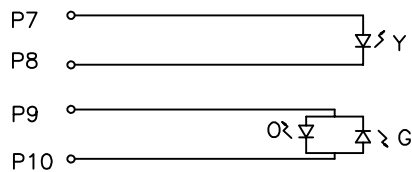
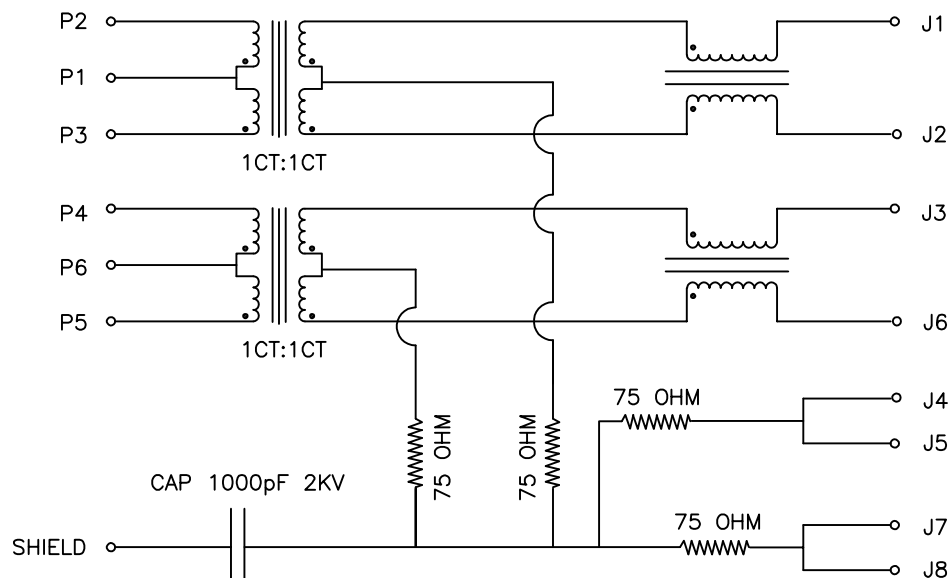
6.STORAGE TEMPERATURE T=-40°C TO +85°C.



FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45/USB2.0,100D,1:1,TY	JXD4-1002NL-X1	PS-XXXX	1 OF 5	JXD4-1002NL	A



Pin	Yellow		Green	Orange
P7	+	P9	-	+
P8	-	P10	+	-

SCHEMATIC

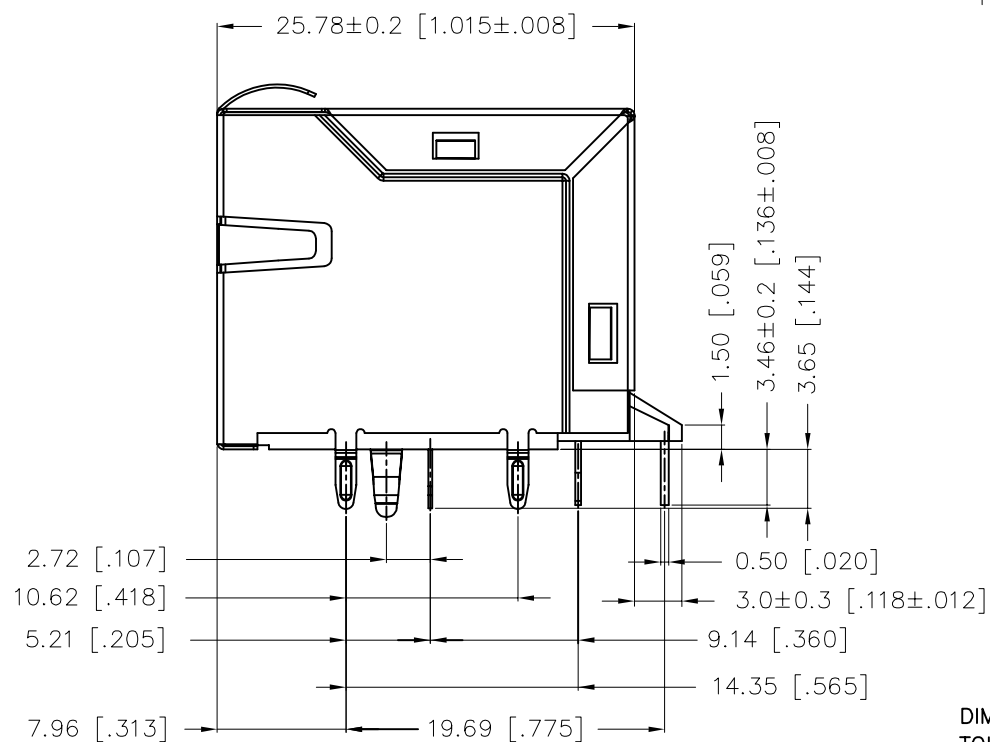
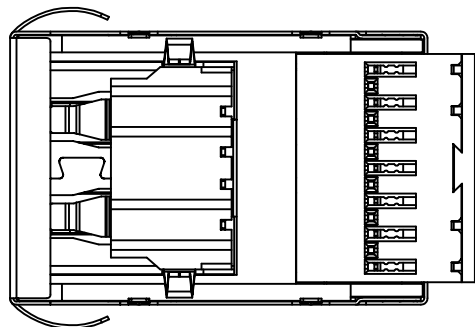
Electronical Specifications:

- 1.0 Turn Ratio @100KHz:
(P2~P3):(J1~J2) = 1:1±5%
(P4~P5):(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:
2250VDC

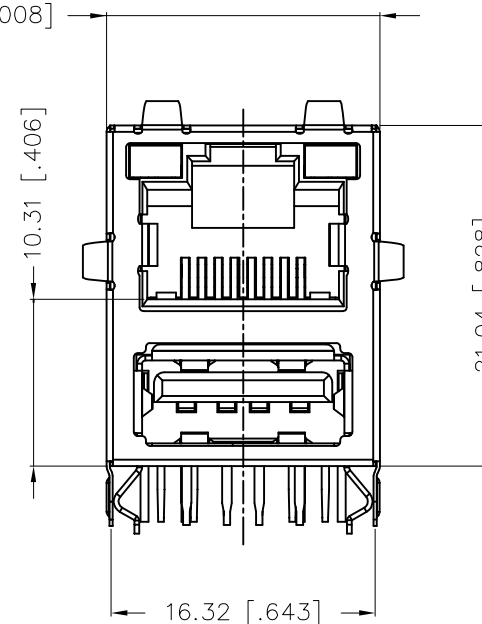
LED SPECIFICATION:

LED SPECIFICATION			
STANDARD LED	WAVELENGTH	Forward V(max)	TYP
GREEN/ORANGE	565nm	2.4V	2.2V
YELLOW	590nm	2.5V	2.1V

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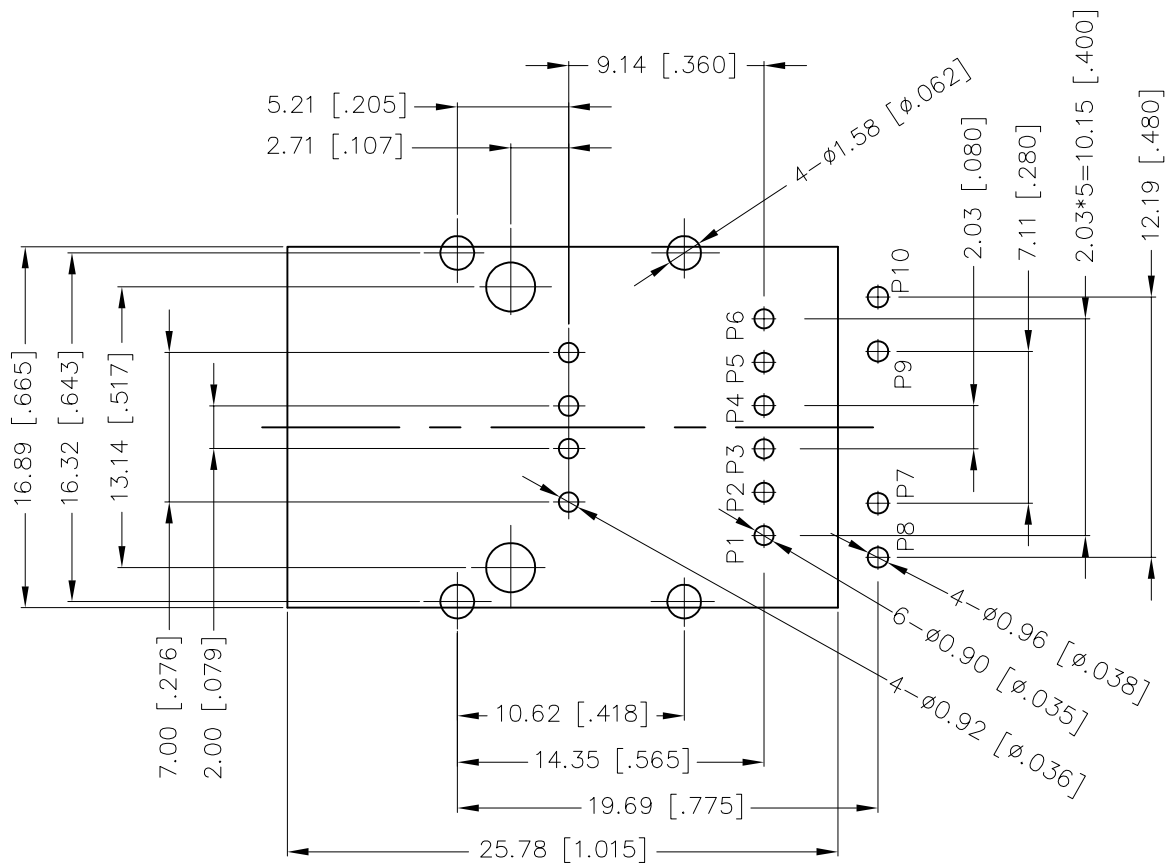
16.89±0.2 [.665±.008]



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/USB2.0,100D,1:1,TY	JXD4-1002NL-X1	PS-XXXX	3 OF 5	JXD4-1002NL	A

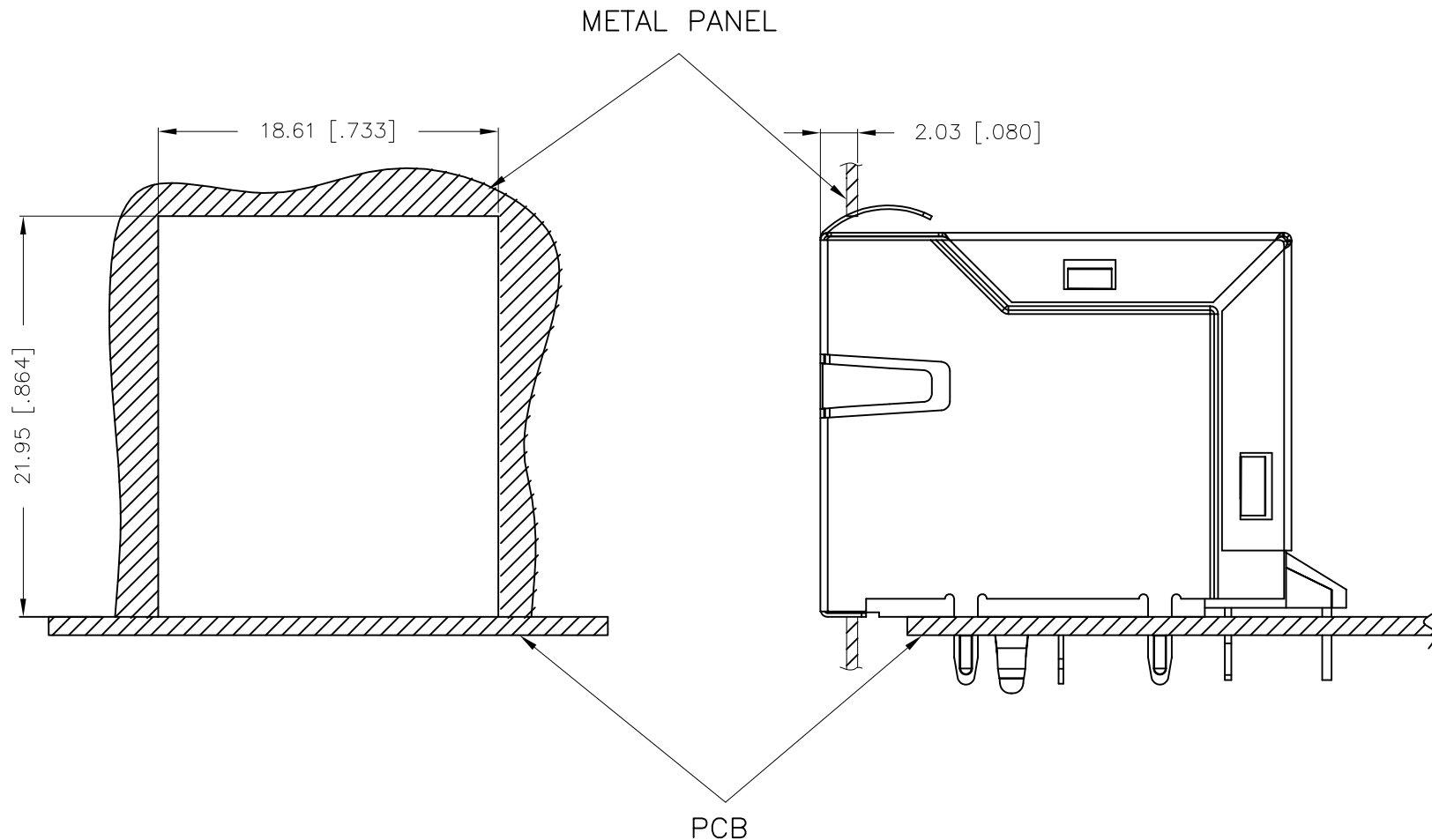


RECOMMENDED PCB LAYOUT
(COMPONENT SIDE VIEW)

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

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CONN,RJ45/USB2.0,100D,1:1,TY	JXD4-1002NL-X1	PS-XXXX	4 OF 5	JXD4-1002NL	A



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X.XX= ±0.10 [±.004]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CONN,RJ45/USB2.0,,100D,1:1,TY	JXD4-1002NL-X1	PS-XXXX	5 OF 5	JXD4-1002NL	A