

CZT

SPECIFICATION FOR APPROVAL

CUSTOMER _____

CUSTOMER'S PART NO. _____ REV. _____

DESCRIPTION RJ45 ICM(1000Base-T 2Port)

CZT'S PART NO. JDN212310001 REV. A

ISSUE NO. _____

ISSUE DATE NOV.22,2019

☐ APPROVED

☐ REJECTED:

☐ APPROVED UNDER
THE CONDITIONS:

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Note:

1. This specification is the proprietary of Yihua Communicated Connector Co., Ltd. and is not allowed to be revealed to third party without any written approval.
2. This specification is valid within 1 year before approval, and for any updated specification information required, please contact with CZT's sales window before order releases.

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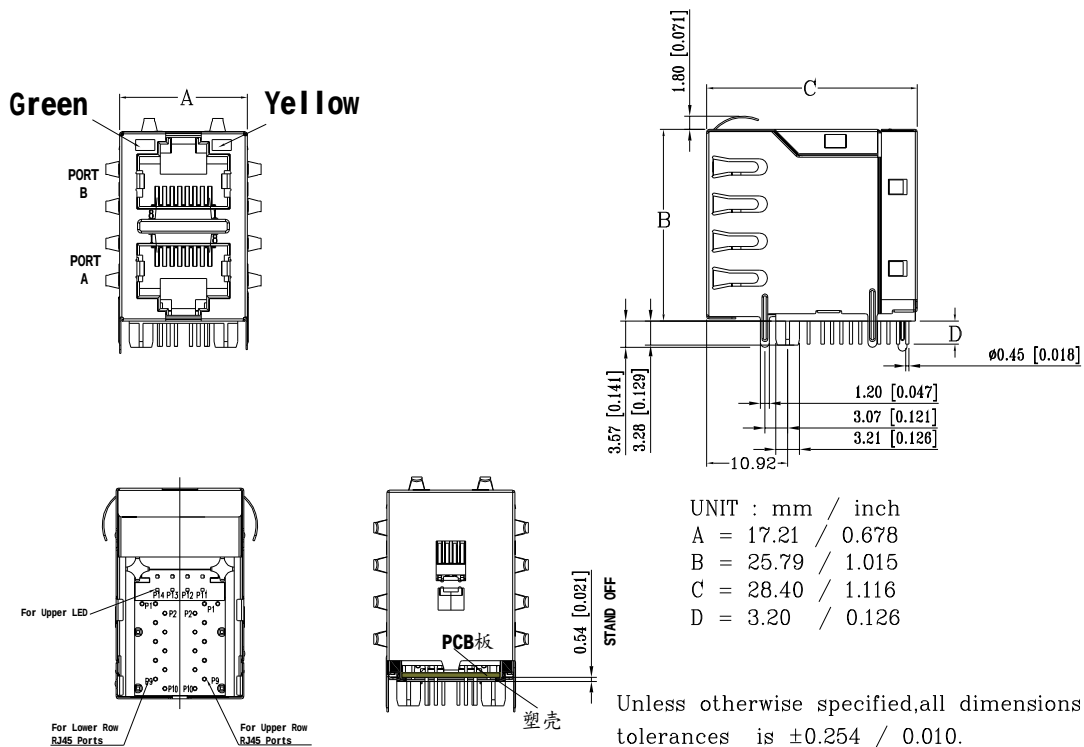
Customer Part No.:
CZT Part No.: JDN212310001
Part Name: RJ45 ICM(1000Base-T 2Port)

Rev.: A



4. Mechanical Dimension and Notes:

4-1. Mechanical Dimension:



4-2. Notes:

- CONNECTOR MATERIAL:
HOUSING: LCP BLACK UL94 V-0
SHIELD: Brass
SHIELD PLATING: NICKEL
CONTACT: PHOSPHOR BRONZE
CONTACT PLATING: GOLD, 6 MICRO-INCHES MIN IN CONTACT AREA
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL DRAWING FOR OMITTED PINS
- RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68.
- THE PART IS RECOMMENDED FOR IR REFLOW PROCESS PEAK SOLDERING
TEMPERATURE IS 250° C MAX, 10 SECS MAX
- OPERATING TEMPERATURE T=0° C TO +70° C.
- STORAGE TEMPERATURE T=-40° C TO +85° C.

LED SPECIFICATION				
STANDARD LED	WAVELENGTH	Forward Current	Forward V(max)	TYP
GREEN	565nm	20 mA	2.4V	2.2V
YELLOW	590nm	20 mA	2.5V	2.1V

Drawn by

ChenLingjuan

Designed by

SunWenqun

Approved by

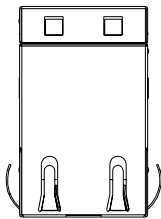
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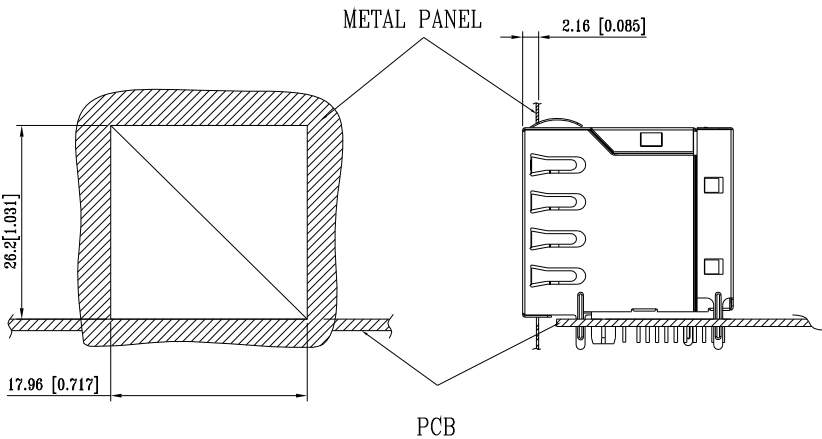
Customer Part No.: CZT Part No.: JDN212310001 Part Name: RJ45 ICM(1000Base-T 2Port)	Rev.: A
	

5. Label and Recommended PWB Layout and Suggested Panel Opening:
- 5-1. Label:



Plug In Side

- 5-2. Suggested Panel Opening:



UNIT: mm / inch
Tolerances: ±0.10 / 0.004

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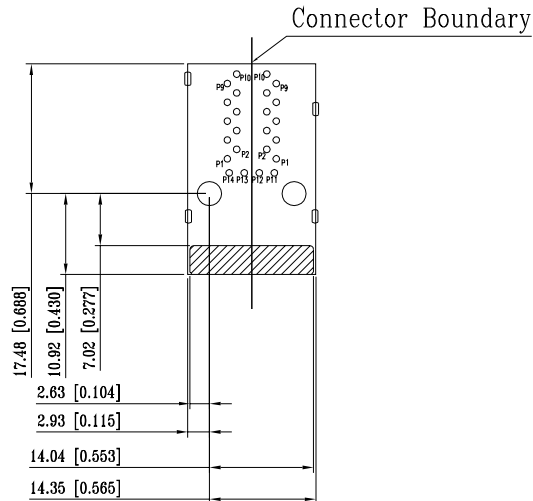
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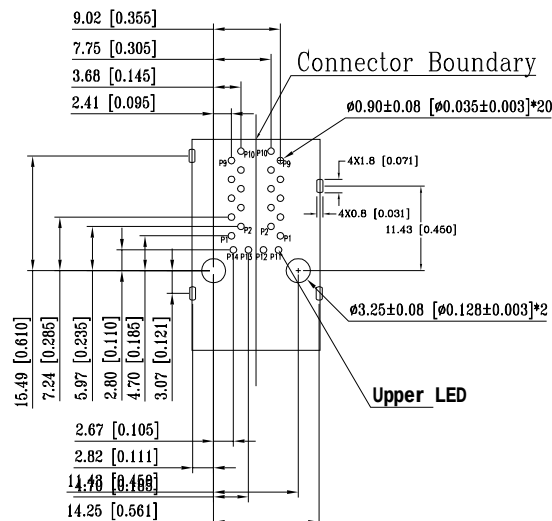
5-3. Keep-Out Area (Component Side View):



Plug-in side

UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

5-4. Recommended PWB Layout (Component Side View):



Plug-in side

UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

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6. Circuit Schematic and Electronical Specifications: 6-1. Port A Circuit Schematic: P10 ○ NC P9 ○ NC P8 ○ ○ J8 P7 ○ ○ J7 P6 ○ ○ J6 P5 ○ ○ J5 P4 ○ ○ J4 P3 ○ ○ J3 P2 ○ ○ J2 P1 ○ ○ J1		
6-2. Electronical Specifications: 1.0 DIELECTRIC WITHSTAND:(P1/P3/P5/P7):(P2/P4/P6/P8) :500VAC 2.0 DC RESISTANCE:(P1~J1):(P2~J2):(P3~J3):(P4~J4):(P5~J5):(P6~J6):(P7~J7):(P8~J8): 1.0 OHMS MAX		

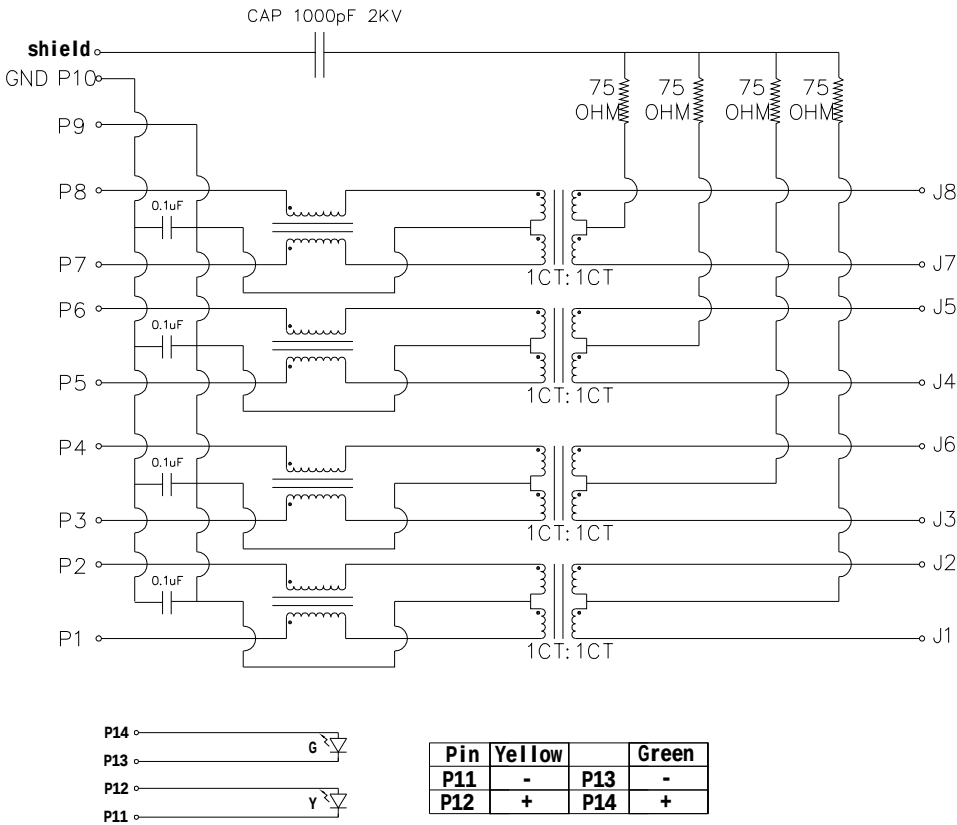
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6. Circuit Schematic and Electronical Specifications:

6-1. Port B Circuit Schematic:



6-2. Electronical Specifications:

- 1.0 Turn Ratio @100KHz: (P1~P2):(J1~J2) = 1:1±2%
(P3~P4):(J3~J6) = 1:1±2%
(P5~P6):(J4~J5) = 1:1±2%
(P7~P8):(J7~J8) = 1:1±2%
- 2.0 Primary Inductance: 350uH MIN @100KHZ,0.1V 8mA DC BIAS
- 3.0 DC Resistance: 1.2 OHMS MAX
- 4.0 Insertion Loss: 1-100MHz -1.0dB MAX
100-125MHz -1.2dB MAX
- 5.0 Return Loss: 1-40MHz -16dB MIN
40-60MHz -12dB MIN
60-80MHz -10dB MIN
80-100MHz -8dB 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