

CZT

SPECIFICATION FOR APPROVAL

CUSTOMER _____

CUSTOMER'S PART NO. _____ REV. _____

DESCRIPTION RJ45 ICM (1000 Base-T 4Port)

CZT'S PART NO. JDG221250061 REV. B

ISSUE NO. _____

ISSUE DATE FEB.22,2019

☐ APPROVED

☐ REJECTED:

☐ APPROVED UNDER
THE CONDITIONS:

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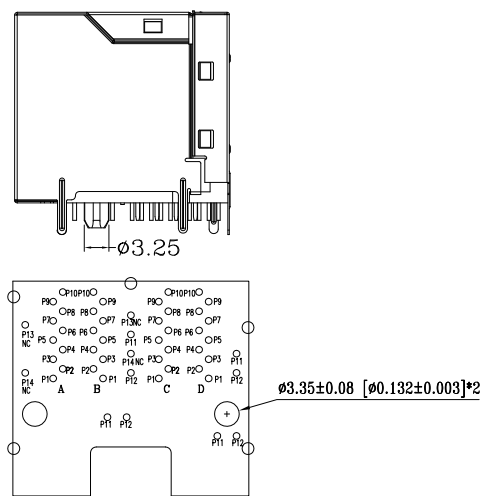
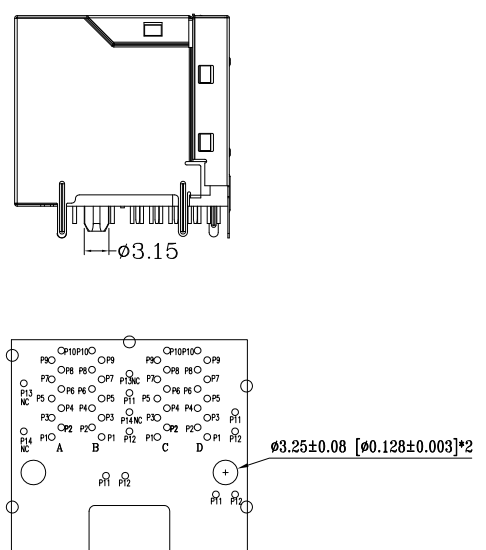
Note:

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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2. Revision Change Record

Customer Part No.: CZT Part No.: JDG221250061 Part Name: RJ45 ICM(1000Base-T 4Port)					Rev.: B
					
Rev	Description	Drawn	Designed	Approved	Issue Date
A	Specification issued	ChenLingjuan	SunWenqun	Topup.Liu	oct.08 2018
B	Change From:				
					
B	To:	ChenLingjuan	SunWenqun	Topup.Liu	feb.22 2019
					

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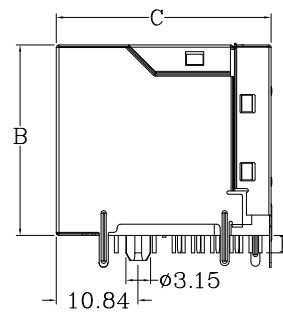
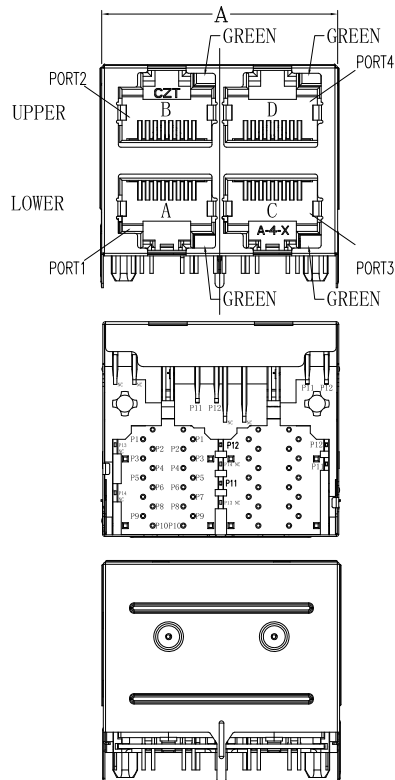
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Rev.: B



4. Mechanical Dimension and Notes:

4-1. Mechanical Dimension:



UNIT : mm / inch
A = 31.20 / 1.228
B = 25.20 / 0.992
C = 28.40 / 1.118
D = 2.30 / 0.091

Unless otherwise specified, all dimensions
tolerances is ± 0.254 / 0.010.

4-2. Notes:

- CONNECTOR MATERIAL:
HOUSING: THERMOPLASTIC UL94 V-0
SHIELD: Brass
SHIELD PLATING: NICKEL
CONTACT: PHOSPHOR BRONZE
CONTACT PLATING: GOLD, 30 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 WAVE SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECS MAX
- OPERATING TEMPERATURE $T = 0^{\circ}\text{C}$ TO $+70^{\circ}\text{C}$.
- STORAGE TEMPERATURE $T = -40^{\circ}\text{C}$ TO $+85^{\circ}\text{C}$.

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

Drawn by

ChenLingjuan

Designed by

SunWenqun

Approved by

Topup.Liu

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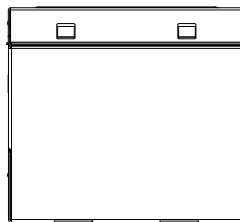
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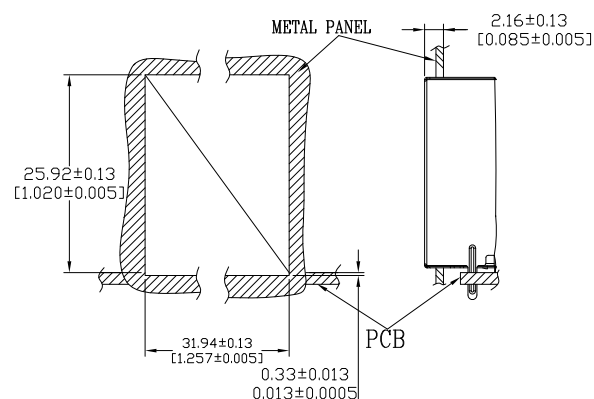


5. Label and Recommended PWB Layout and Suggested Panel Opening:
5-1. Label:



Plug In Side

- 5-2. Suggested Panel Opening:



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

REFERENCE ONLY

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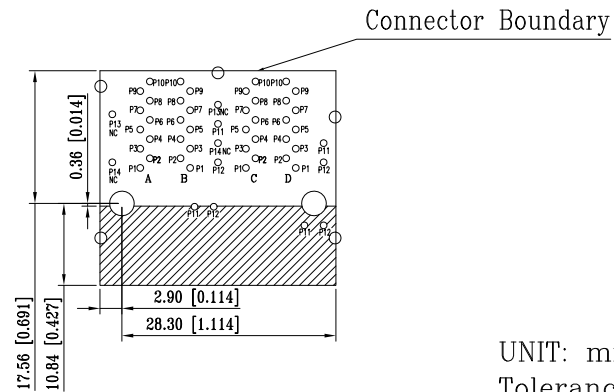
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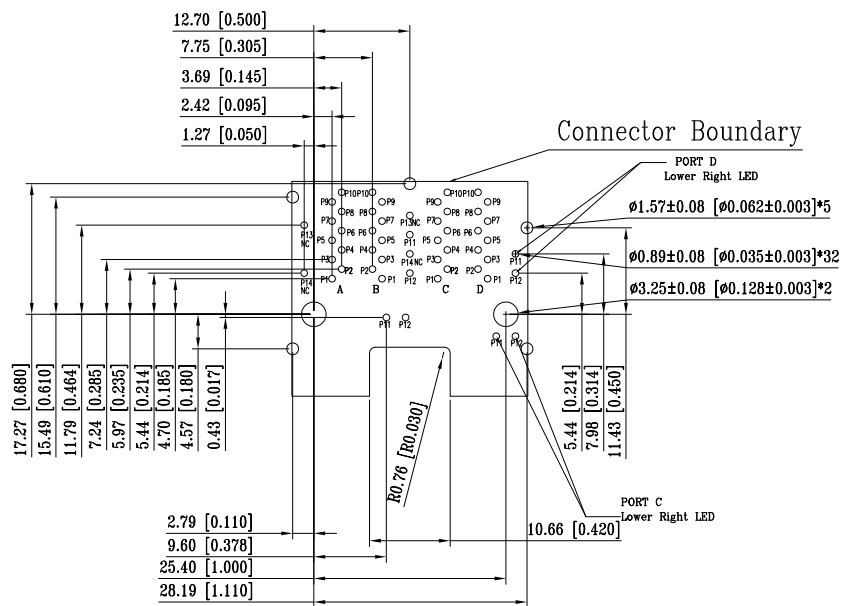


5-3. Keep-Out Area (Component Side View):



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

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



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

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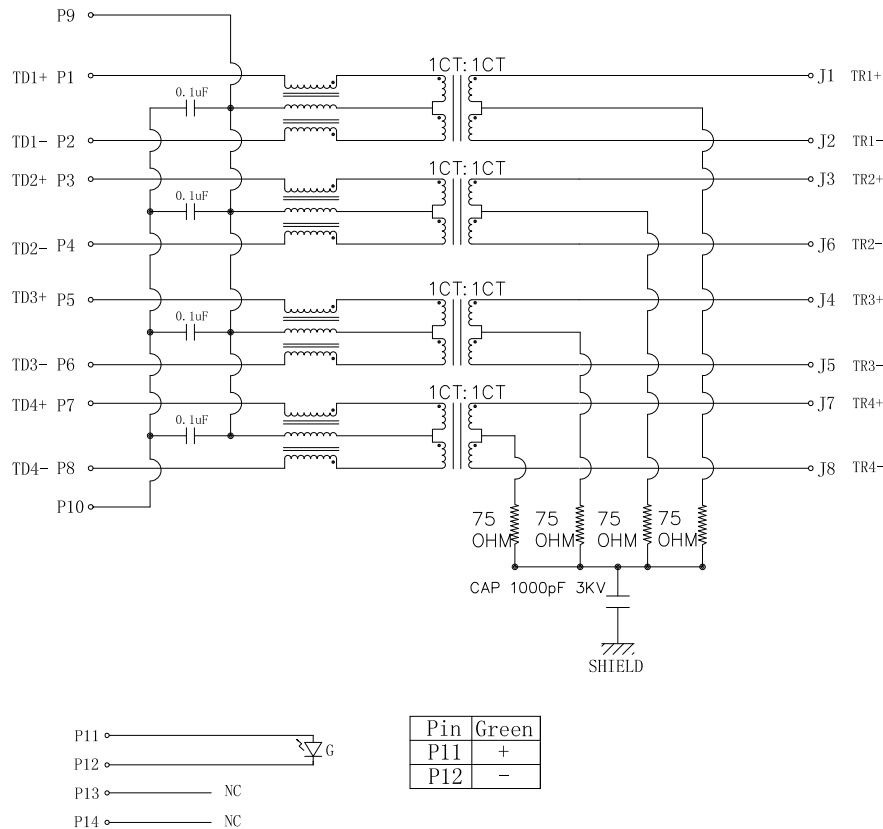
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6. Circuit Schematic and Electronical Specifications:

6-1. Circuit Schematic:



6-2. Electronical Specifications:

1.0 Turn Ratio @100KHz: (P1~P2):(J1~J2) = 1:1±5%

(P3~P4):(J3~J6) = 1:1±5%

(P5~P6):(J4~J5) = 1:1±5%

(P7~P8):(J7~J8) = 1:1±5%

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

5.0 Return Loss: 1-30MHz -21dB MIN load 100Ω

30-60MHz -19dB MIN load 100Ω

60-80MHz -15dB MIN load 100Ω

80-100MHz -13dB MIN load 100Ω

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

9.0 DEVICE MEETS THE ELECTRICAL REQUIREMENTS NOTED HEREIN FOLLOWING:

APPLICATION OF ±4KV 10X700us 5 HITS DURATION W/L MINUTE BETWEEN EACH HIT.
LINE TO GND: 4KV