

CZT

SPECIFICATION FOR APPROVAL

CUSTOMER _____

CUSTOMER'S PART NO. _____ REV. _____

DESCRIPTION RJ45 ICM (1000Base-T 12Port)

CZT'S PART NO. JDD261060000 REV. B

ISSUE NO. _____

ISSUE DATE JUL.20,2017

☐ 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.: JDD261060000 Part Name: RJ45 ICM(1000Base-T 12Port)					Rev.: B
					
Rev	Description	Drawn	Designed	Approved	Issue Date
A	Specification issued	ChenLingjuan	SunWenqun	Topup.Liu	FEB.28 2014
B	Change From: 4-2. Notes: 5. OPERATING TEMPERATURE T=0° C TO +70° C. To: 4-2. Notes: 5. OPERATING TEMPERATURE T=-40° C TO +85° C.	ChenLingjuan	SunWenqun	Topup.Liu	JUL.20 2017
PRELIMINARY					

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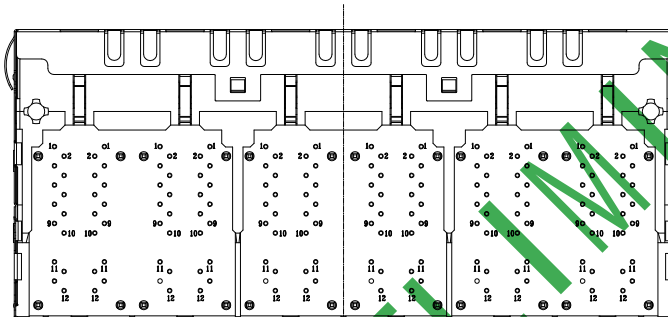
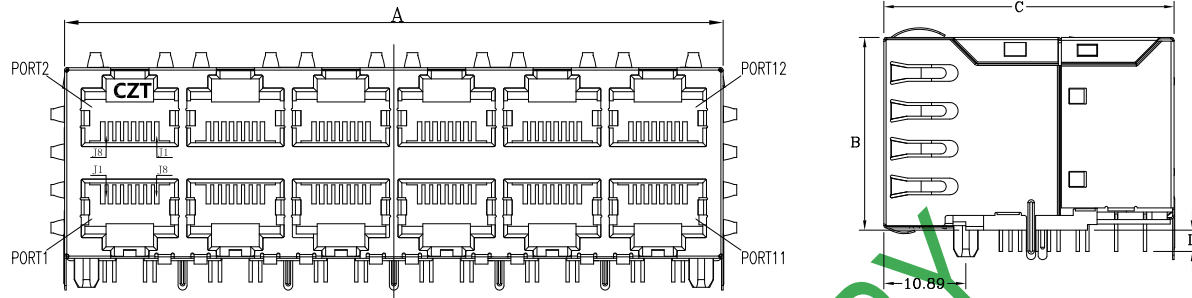
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4. Mechanical Dimension and Notes:

4-1. Mechanical Dimension:



UNIT : mm / inch
A = 87.08 / 3.428
B = 25.53 / 1.005
C = 39.37 / 1.550 MAX
D = 3.44 / 0.135

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 $T = -40^{\circ}\text{C}$ TO $+85^{\circ}\text{C}$.
- STORAGE TEMPERATURE $T = -40^{\circ}\text{C}$ TO $+85^{\circ}\text{C}$.

Drawn by

ChenLingjuan

Designed by

SunWenqun

Approved by

Topup.Liu

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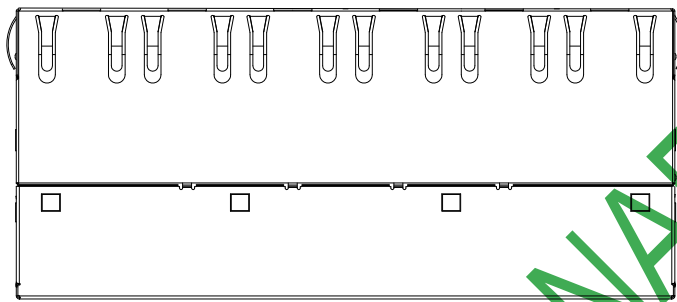
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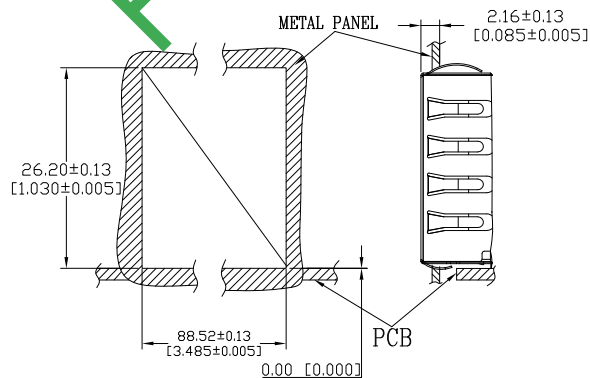


5. Label and Recommended PWB Layout and Suggested Panel Opening:
5-1. Label:

Plug In Side



- 5-2. Suggested Panel Opening:



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

REFERENCE ONLY

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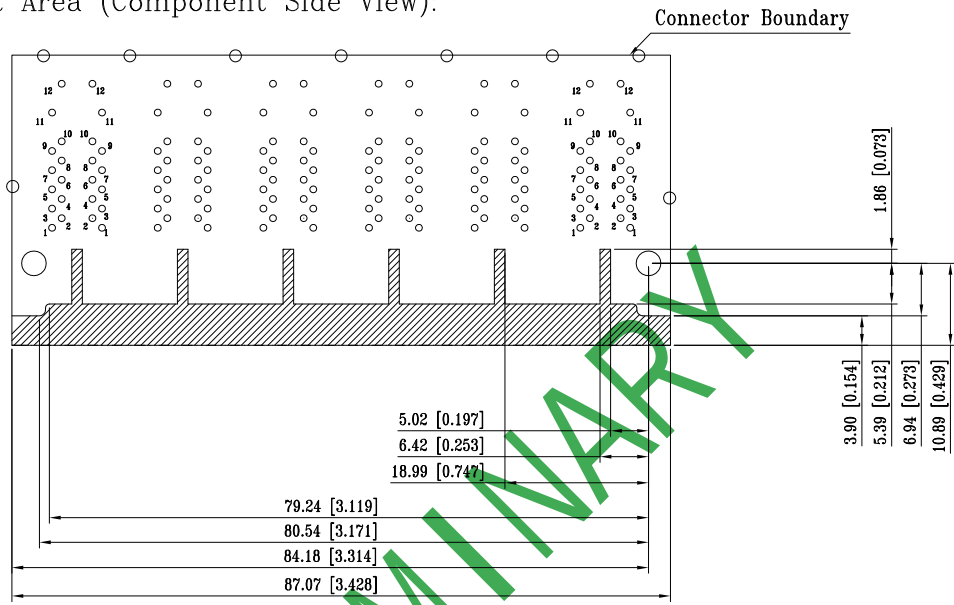
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5-3. Keep-Out Area (Component Side View):

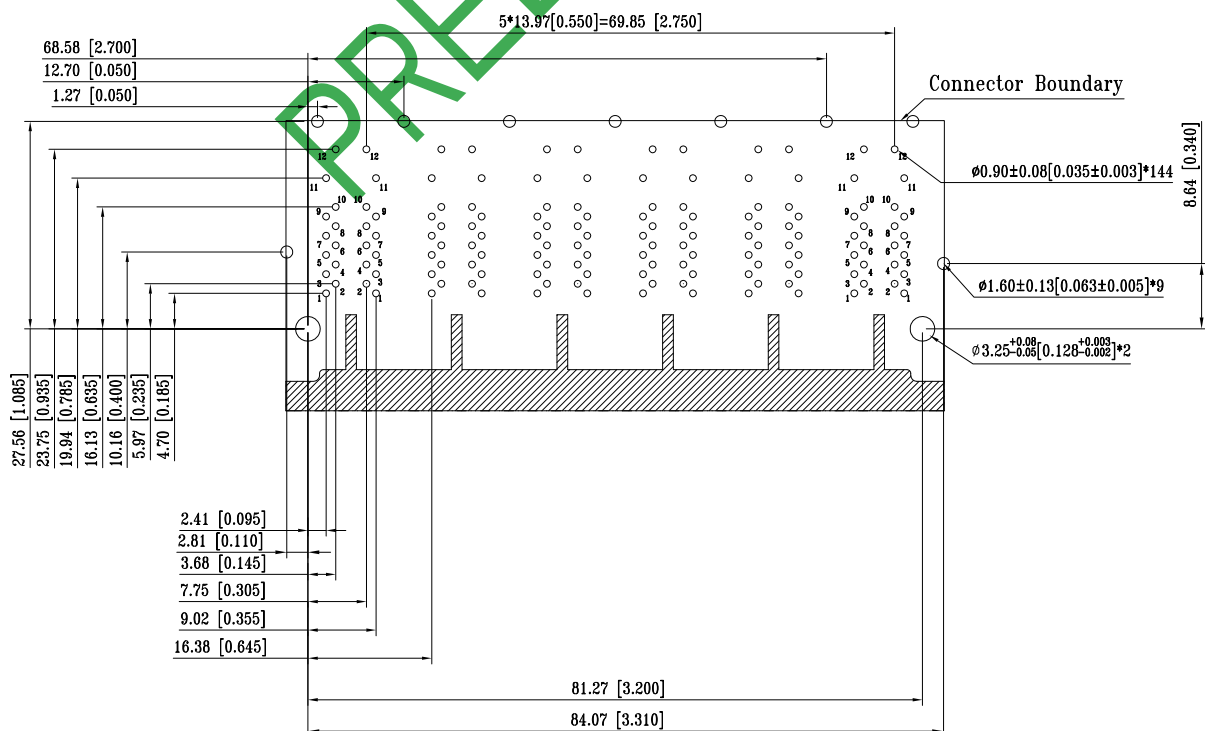


Plug-in side

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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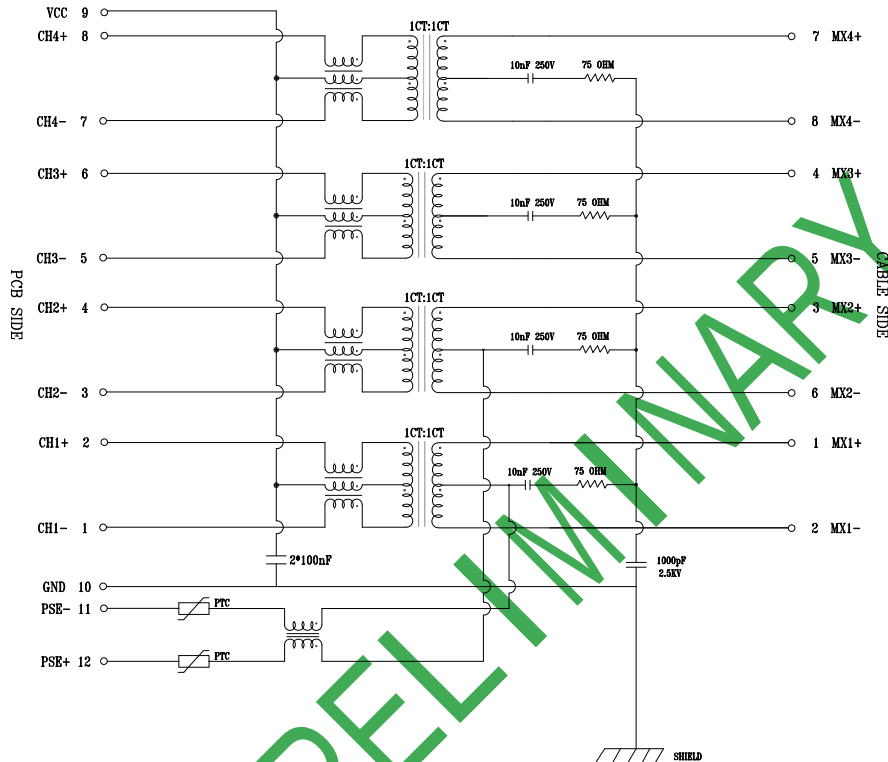
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6. Circuit Schematic and Electronical Specifications:

6-1. Circuit Schematic:



6-2. Electronical Specifications:

- 1.0 Turn Ratio @100KHz: $(P2 \sim P1):(J1 \sim J2) = 1:1 \pm 5\%$
 $(P4 \sim P3):(J3 \sim J6) = 1:1 \pm 5\%$
 $(P6 \sim P5):(J4 \sim J5) = 1:1 \pm 5\%$
 $(P8 \sim P7):(J7 \sim J8) = 1:1 \pm 5\%$
- 2.0 Primary Inductance: 350uH MIN @100KHZ, 0.1V 8mA DC BIAS
120uH MIN @100KHZ, 0.1V 19mA 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: 1200VDC
- 9.0 DC CURRENT/VOLTAGE RATING-PSE PINS: 720mA @57V(CONTINUOUS)