

# CZT

## SPECIFICATION FOR APPROVAL

CUSTOMER \_\_\_\_\_

CUSTOMER'S PART NO. \_\_\_\_\_ REV. \_\_\_\_\_

DESCRIPTION RJ45 ICM (10/100 Base-T 1\*2 Ports)

CZT'S PART NO. JDAD20370200 REV. A

CZT OLD P/N \_\_\_\_\_

ISSUE NO. 12B-115

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<input type="checkbox"/> APPROVED	<input type="checkbox"/> REJECTED:
<input type="checkbox"/> 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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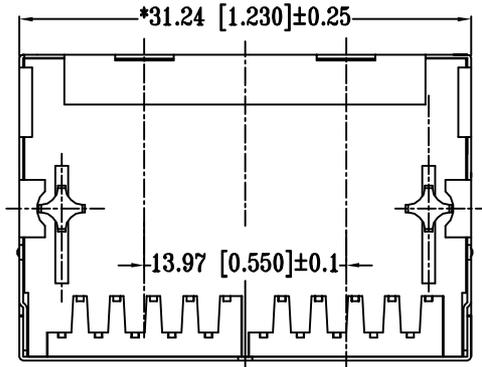
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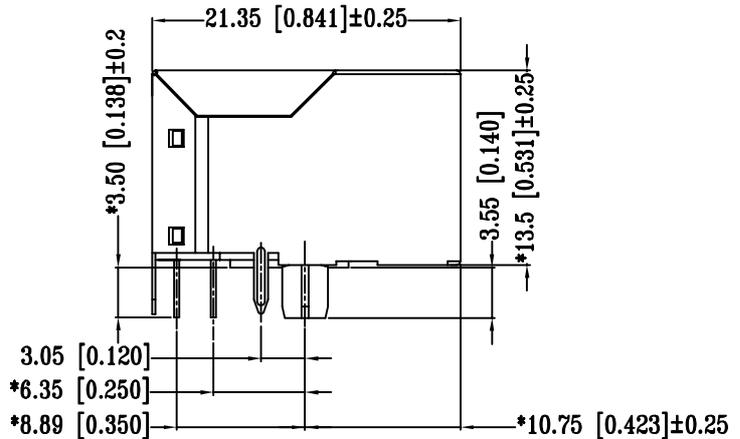
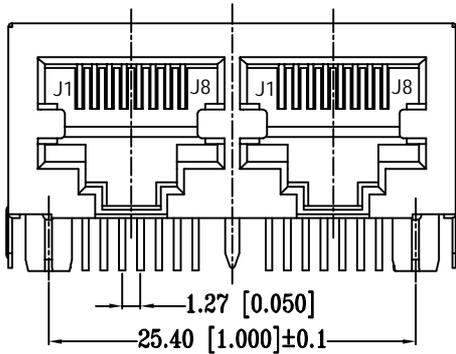
Rev.: A



4. Mechanical Dimension and Notes:  
 4-1. Mechanical Dimension:



Unless otherwise specified, all dimensions tolerances is  $\pm 0.254 / 0.010$ .



4-2. 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=0° C TO +70° C.
6. STORAGE TEMPERATURE T=-40° C TO +85° C.
7. ALL CRITICAL DIMENSIONS WITH "\*\*\*"

Drawn by

Designed by

Approved by

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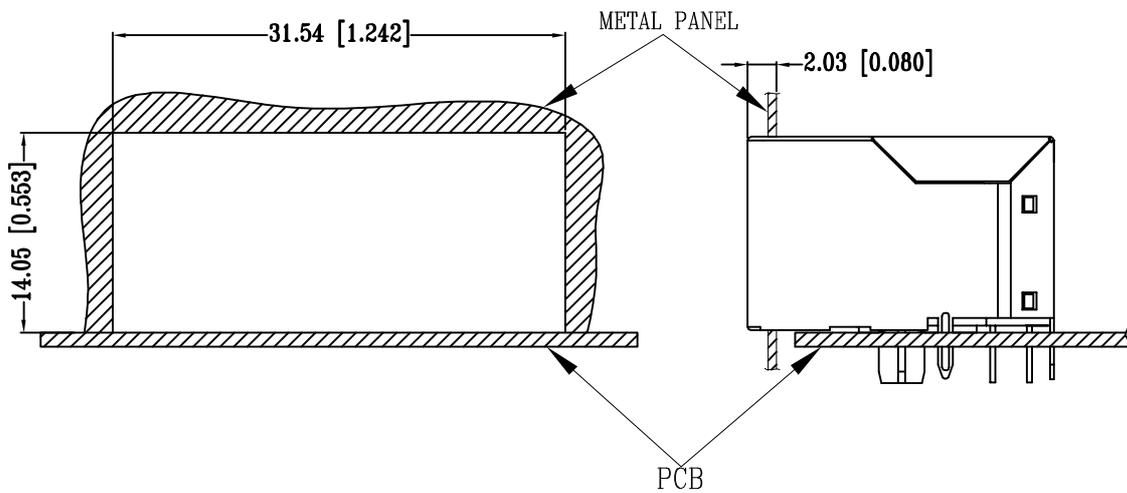
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### 5. Label and Recommended PWB Layout and Suggested Panel Opening:

#### 5-1. Suggested Panel Opening:



UNIT: mm / inch  
Tolerances:  $\pm 0.10$  / 0.004

REFERENCE ONLY

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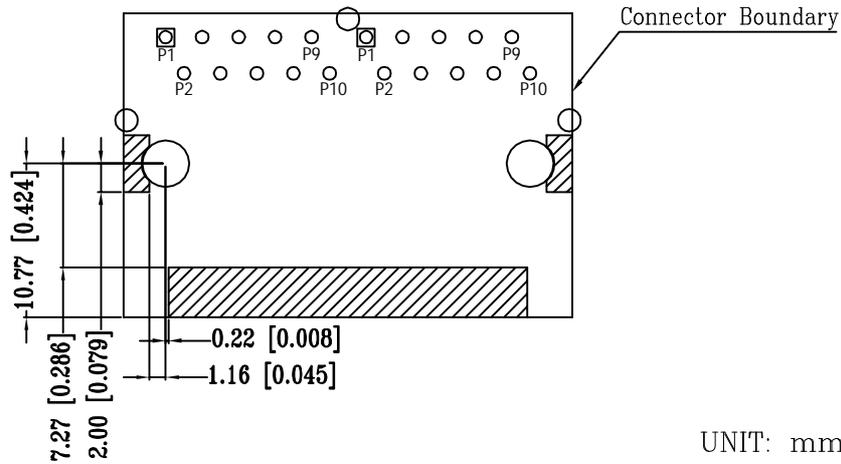
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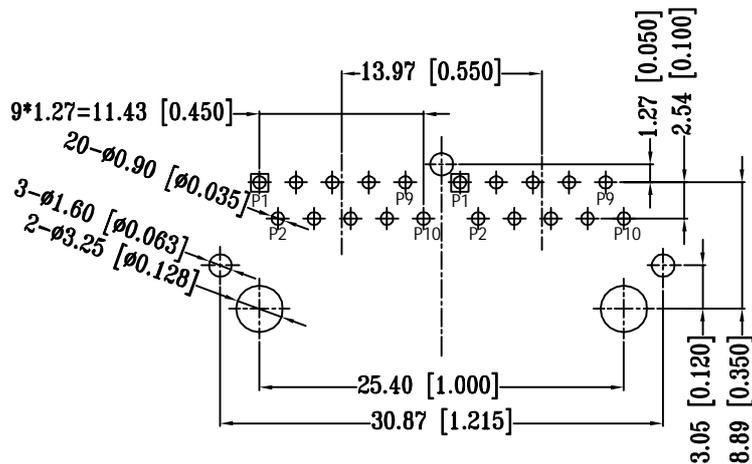


5-2. Keep-Out Area (Component Side View):



UNIT: mm / inch  
 Tolerances:  $\pm 0.10$  / 0.004

5-3. Recommended PWB Layout (Component Side View):



UNIT: mm / inch  
 Tolerances:  $\pm 0.10$  / 0.004

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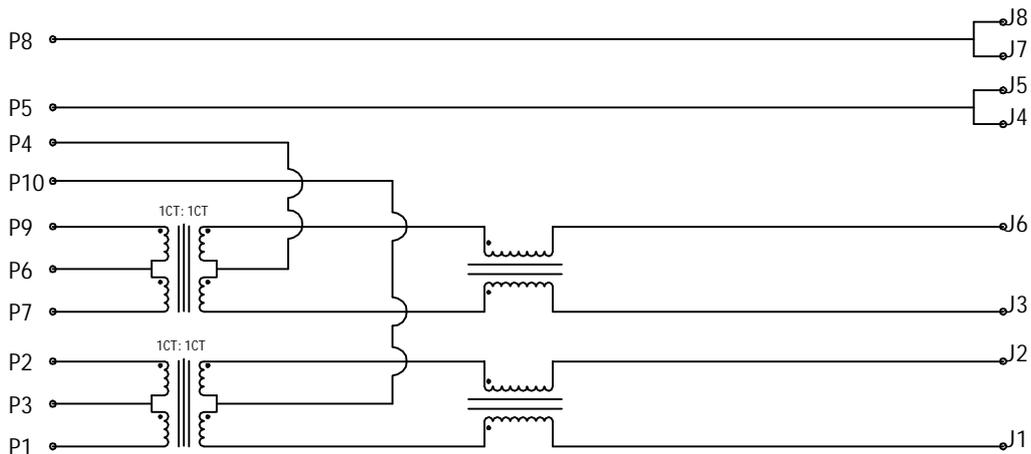
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### 6. Circuit Schematic and Electrical Specifications:

#### 6-1. Circuit Schematic:



#### 6-2. Electrical Specifications:

- 1.0 Turn Ratio @100KHz:  $(P1 \sim P2):(J1 \sim J2) = 1:1 \pm 5\%$   
 $(P7 \sim P8):(J3 \sim J6) = 1:1 \pm 5\%$
- 2.0 Primary Inductance: 350uH MIN @100KHZ, 0.1V 8mA DC BIAS
- 3.0 DC Resistance:  $(J1 \sim J2):(J3 \sim J6) = 1.2 \text{ OHMS MAX}$
- 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: 500VAC
- 9.0 DC CURRENT/VOLTAGE RATING-PSE PINS: 350mA @57V(CONTINUOUS)