

# CZT

## SPECIFICATION FOR APPROVAL

CUSTOMER \_\_\_\_\_

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

DESCRIPTION RJ45 ICM (10/100 Base-T 1 Port)

CZT'S PART NO. JVA110550007 REV. A

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

ISSUE NO. 11B-076

ISSUE DATE Mar.31,2011

<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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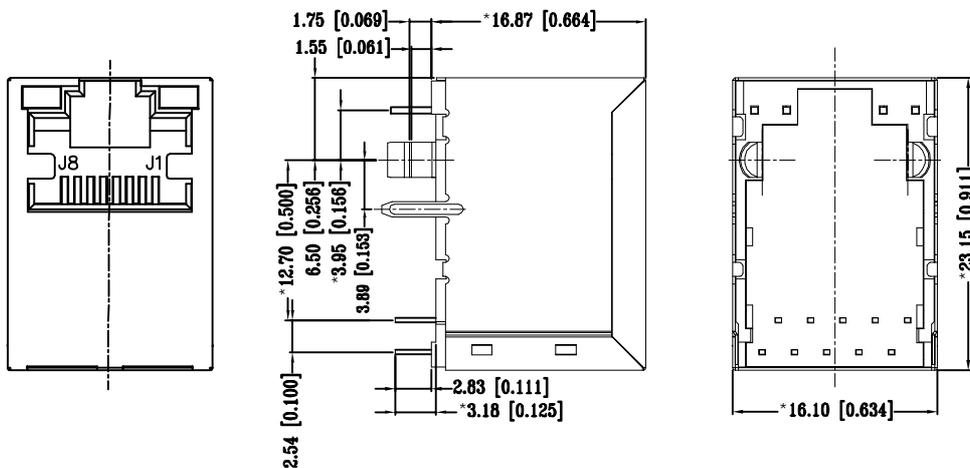
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 CZT Part No.: JVA110550007  
 Part Name: RJ45 ICM (10/100 Base-T 1 Port)

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:

- CONNECTOR MATERIAL:  
 HOUSING: PA66 BLACK UL94 V-0  
 INSERTER: PBT BLACK UL94 V-0  
 SHIELD: Brass  
 SHIELD PLATING: NICKEL  
 CONTACT: COOPER ALLOY  
 CONTACT PLATING: SELECTIVE GOLD, 6 MICRO-INCHS 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° C TO +70° C.
- STORAGE TEMPERATURE T=-40° C TO +85° C.
- ALL CRITICAL DIMENSIONS WITH " \* "

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

\*WITH A FORWARD CURRENT OF 20mA

Drawn by

Designed by

Approved by

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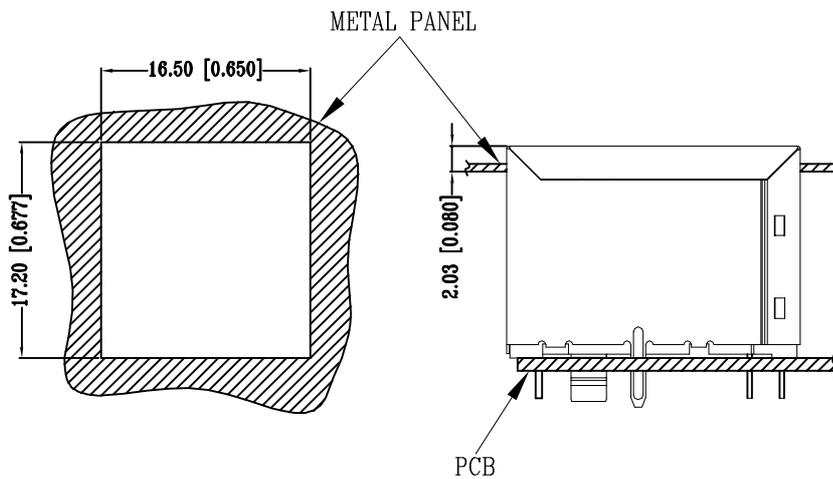
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### 5. Label and Recommended PWB Layout and Suggested Panel Opening:

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



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

REFERENCE ONLY

# CZT

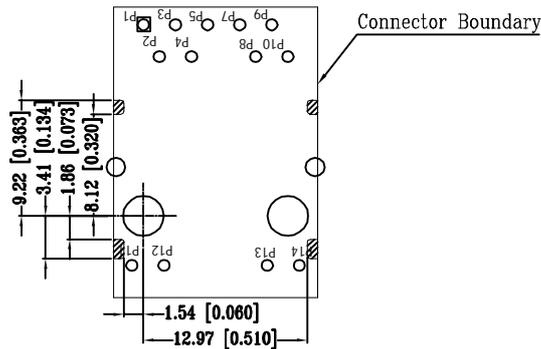
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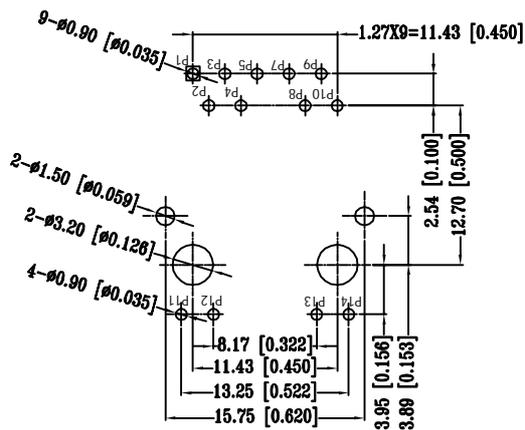


5-2. Keep-Out Area (Component Side View):



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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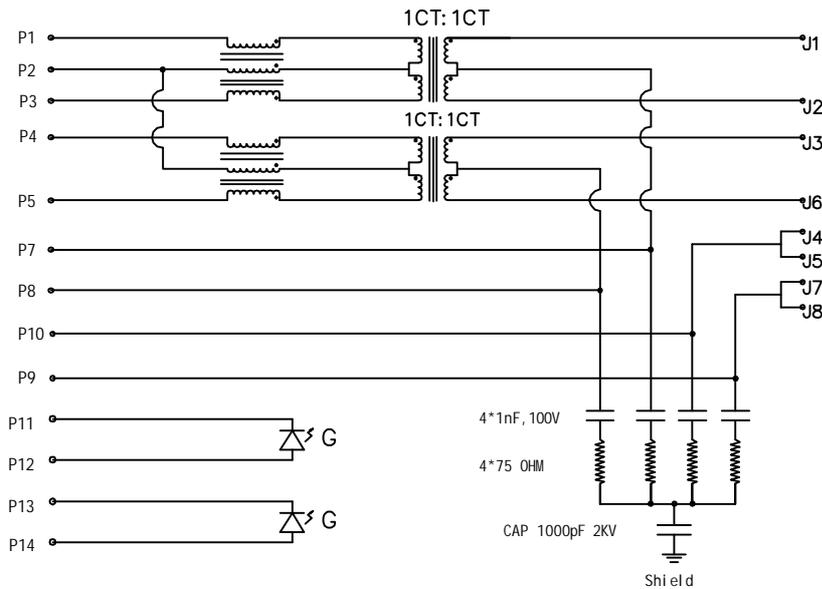
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### 6. Circuit Schematic and Electrical Specifications: 6-1. Circuit Schematic:



Pin	Green		Green
P11	-	P13	-
P12	+	P14	+

### 6-2. Electrical Specifications:

- 1.0 Turn Ratio @100KHz: (P1~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: 500VAC
- 9.0 DC CURRENT/VOLTAGE RATING-PSE PINS: 350mA @57V(CONTINUOUS)