

# CZT

## SPECIFICATION FOR APPROVAL

CUSTOMER \_\_\_\_\_

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

DESCRIPTION RJ45 +USB3.0 ICM(10/100 Base-T 1 Port)

CZT'S PART NO. JBF110700301 REV. A

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

ISSUE NO. 13B-247

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☐ APPROVED

☐ REJECTED:

☐ APPROVED UNDER  
THE CONDITIONS:

**SuZhou Yihua Communicated Connector Co., Ltd.**

**Add: No.1558, Linhu East Road, Foho New&Hi-tech industrial Development Zone,  
Wujiang, Jiangsu, P.R.C.**

**TEL:+86-512-82078810**

**FAX:+86-512-82078858**

**DongGuan Yihua Electronic Co., Ltd.**

**Add: Yihua Holdings Industrial park, Cuntou district, Hu'men Town,**

**TEL:+86- 769-8624 0111**

**FAX:+86-769-8624 0238**

**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.**

SPECIFICATION FOR APPROVAL

Customer Part No.: CZT Part No.: JBF110700301 Part Name: RJ45 +USB3.0 ICM(10/100 Base-T 1 Port)					Rev.: A
					 RoHS
Rev	Description	Drawn	Designed	Approved	Issue Date
A	New Release	Din Wen Min	/	DaVi d Chen	Sep,28.2013

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## SPECIFICATION FOR APPROVAL

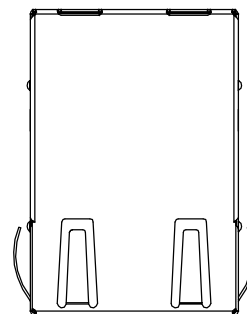
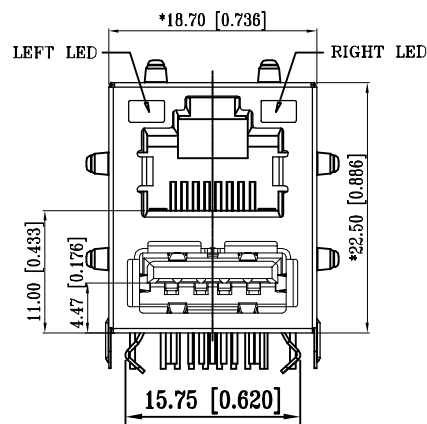
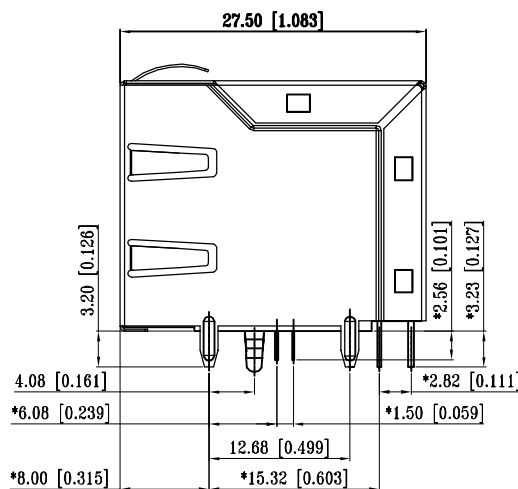
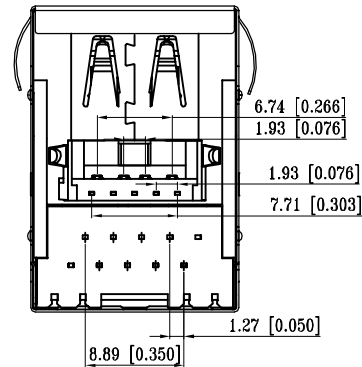
Customer Part No.:  
CZT Part No.: JBF110700301  
Part Name: RJ45 +USB3.0 ICM(10/100 Base-T 1 Port)

Rev.: A



### 4. Mechanical Dimension and Notes:

Unless otherwise specified, all dimensions tolerances is  $\pm 0.254$  / 0.008.



### 4-2. Notes:

- CONNECTOR MATERIAL:  
HOUSING: PBT BLACK UL94 V-0  
INSERTER: PBT BLACK UL94 V-0  
SHIELD PLATING: NICKEL PLATING  
CONTACT: COOPER ALLOY  
CONTACT PLATING: SELECTIVE 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 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
YELLOW	590nm	2.5V	2.1V

\*WITH A FORWARD CURRENT OF 20mA

Drawn by

Designed by

Approved by

# CZT

## SPECIFICATION FOR APPROVAL

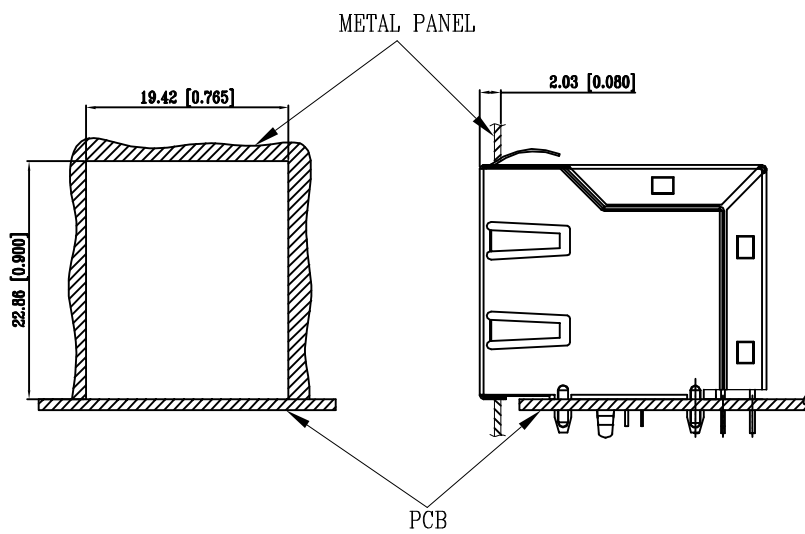
Customer Part No.:  
CZT Part No.: JBF110700301  
Part Name: RJ45 +USB3.0 ICM(10/100 Base-T 1 Port)

Rev.: A



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

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




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

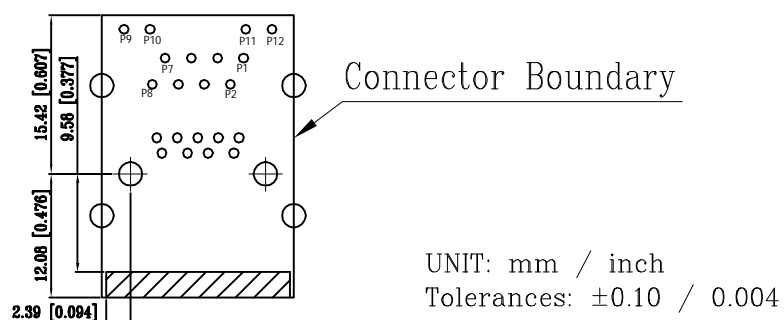
REFERENCE ONLY

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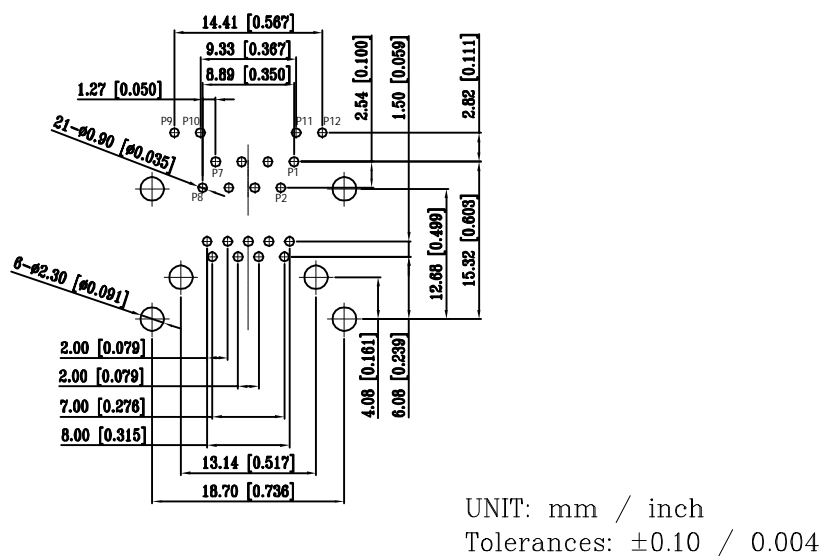
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5-2. Keep-Out Area (Component Side View):



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



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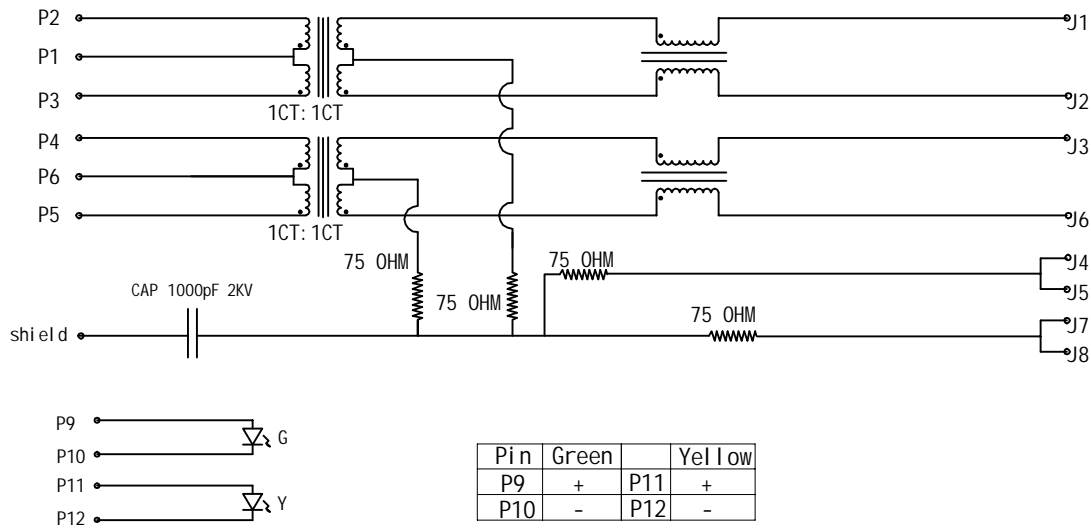
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### 6. Circuit Schematic and Electronical Specifications:

#### 6-1. Circuit Schematic:



#### 6-2. Electronical Specifications:

- 1.0 Turn Ratio @100KHz: (P2~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: 1500VAC or 2250VDC