

# CZT

## SPECIFICATION FOR APPROVAL

CUSTOMER \_\_\_\_\_

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

DESCRIPTION RJ45 ICM (1000Base-T 8Port)

CZT'S PART NO. JDG240370131 REV. D

ISSUE NO. \_\_\_\_\_

ISSUE DATE JUL.07,2016

<input type="checkbox"/> APPROVED	<input type="checkbox"/> REJECTED:
<input type="checkbox"/> APPROVED UNDER THE CONDITIONS:	

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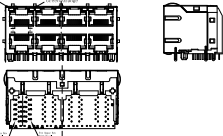
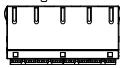
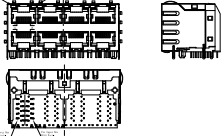
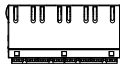
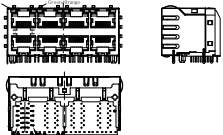

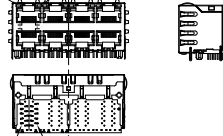
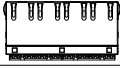
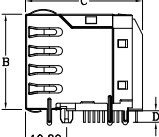
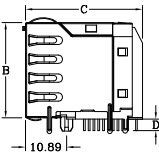
### Note:

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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## SPECIFICATION FOR APPROVAL

### 2. Revision Change Record

Customer Part No.: CZT Part No.: JDG240370131 Part Name: RJ45 ICM(1000Base-T 8Port)					Rev.: D
					
Rev	Description	Drawn	Designed	Approved	Issue Date
A	Specification issued	ChenLingjuan	SunWenqun	Topup.Liu	JUL.18 2012
B	<p>Change From:</p> <p>4-1. Mechanical Dimension:</p>  <p>5-1. Label: Plug In Side</p>  <p>To:</p> <p>4-1. Mechanical Dimension:</p>  <p>5-1. Label: Plug In Side</p> 	ChenLingjuan	SunWenqun	Topup.Liu	MAR.15 2012
C	<p>Change From:</p> <p>4-1. Mechanical Dimension:</p>  <p>5-1. Label: Plug In Side</p>  <p>To:</p> <p>4-1. Mechanical Dimension:</p>  <p>5-1. Label: Plug In Side</p> 	ChenLingjuan	SunWenqun	Topup.Liu	OCT.08 2012
D	<p>Change From:</p> <p>4-1. Mechanical Dimension:</p>  <p>UNIT : mm / inch A = 59.14 / 2.328 B = 25.53 / 1.005 C = 30.95 / 1.219 D = 3.05 / 0.120</p> <p>Unless otherwise specified,all dimensions tolerances is <math>\pm 0.254 / 0.010</math>.</p> <p>To:</p> <p>4-1. Mechanical Dimension:</p>  <p>UNIT : mm / inch A = 59.14 / 2.328 B = 25.53 / 1.005 C = 31.48 / 1.239 D = 3.05 / 0.120</p> <p>Unless otherwise specified,all dimensions tolerances is <math>\pm 0.254 / 0.010</math>.</p>	ChenLingjuan	SunWenqun	Topup.Liu	JUL.07 2016

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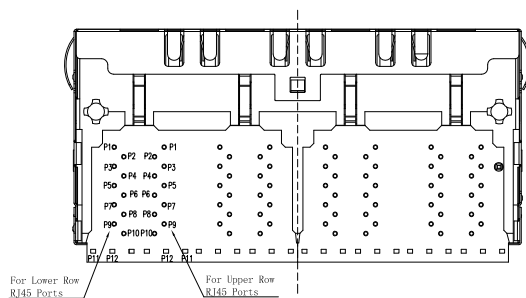
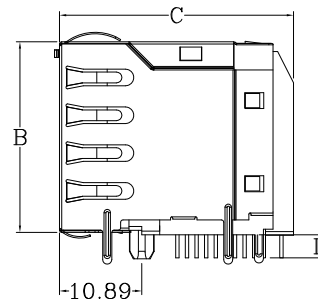
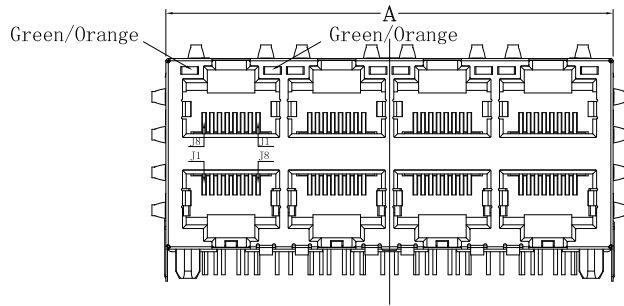
Customer Part No.:  
CZT Part No.: JDG240370131  
Part Name: RJ45 ICM(1000Base-T 8Port)

Rev.: D



### 4. Mechanical Dimension and Notes:

#### 4-1. Mechanical Dimension:



UNIT : mm / inch

A = 59.14 / 2.328

B = 25.53 / 1.005

C = 31.48 / 1.239

D = 3.05 / 0.120

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

#### 4-2. Notes:

- CONNECTOR MATERIAL:  
HOUSING: THERMOPLASTIC BLACK 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° C TO +70° C.
- STORAGE TEMPERATURE T=-40° C TO +85° C.

LED SPECIFICATION				
STANDARD LED	WAVELENGTH	Forward Current	Forward V(max)	TYP
GREEN	565nm	20 mA	2.4V	2.2V
ORANGE	605nm	20 mA	2.5V	2.0V

Drawn by

ChenLingjuan

Designed by

SunWenqun

Approved by

Topup.Liu

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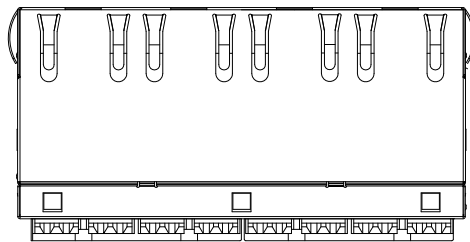
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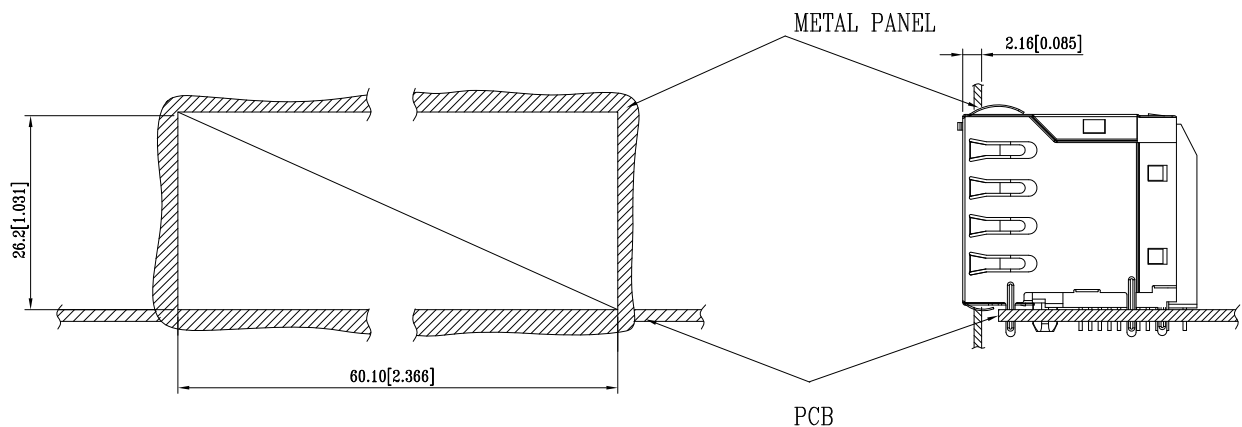
### 5. Label and Recommended PWB Layout and Suggested Panel Opening:

#### 5-1. Label:

Plug In Side



#### 5-2. Suggested Panel Opening:



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

REFERENCE ONLY

# CZT

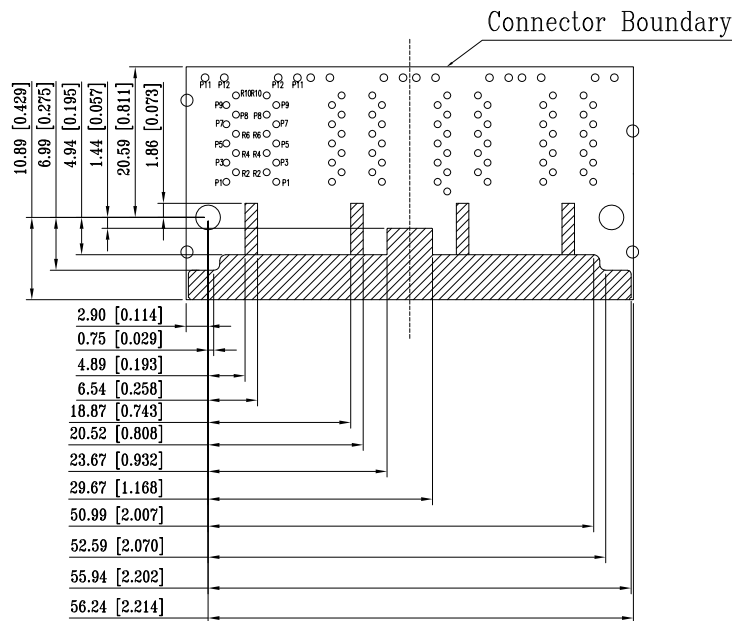
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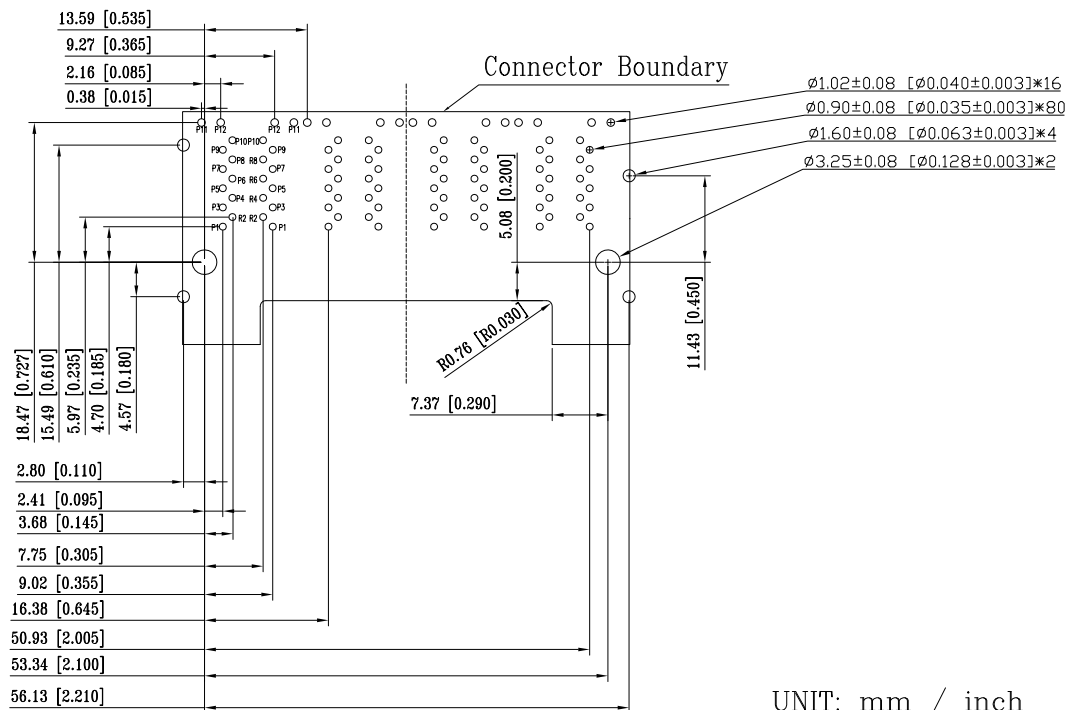
### 5-3. Keep-Out Area (Component Side View):



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

Plug-in side

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



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

Plug-in side

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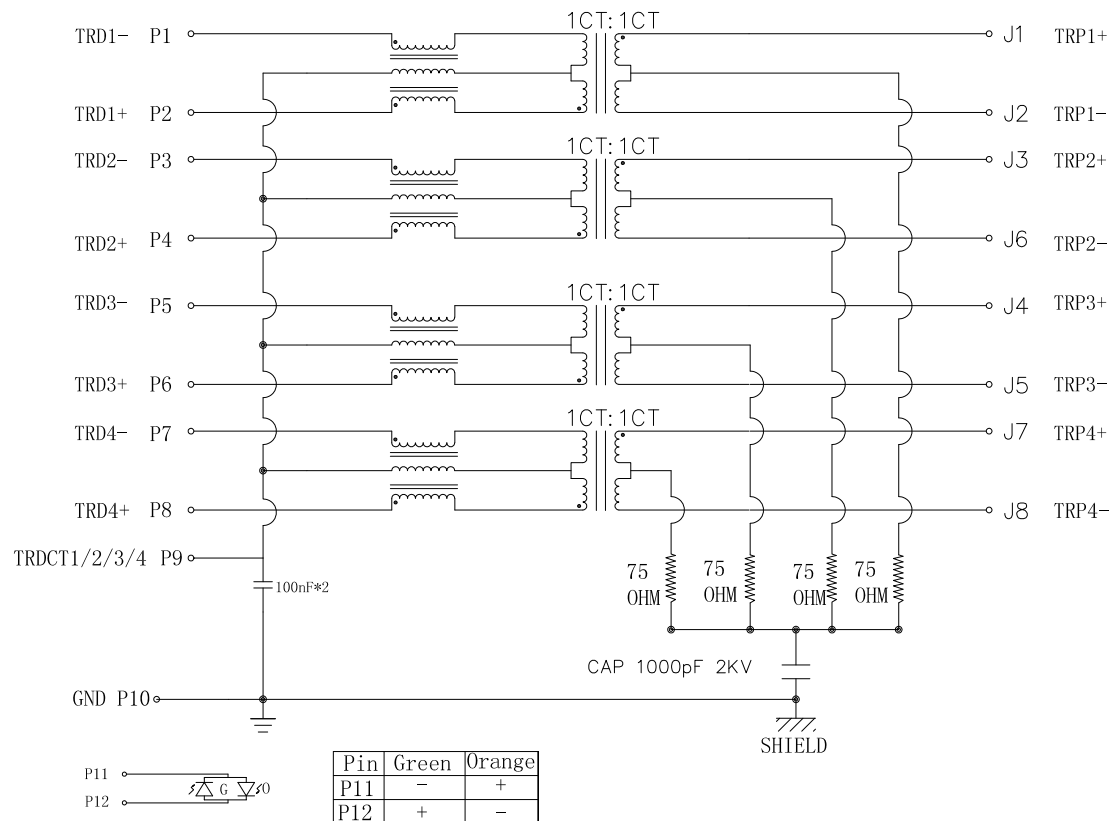
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## 6. Circuit Schematic and Electronical Specifications:

6-1. Circuit Schematic:



## 6-2. Electronical Specifications:

1.0 Turn Ratio @100KHz:

(P2~P1):(J1~J2)	=	1:1±5%
(P4~P3):(J3~J6)	=	1:1±5%
(P6~P5):(J4~J5)	=	1:1±5%
(P8~P7):(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  
                                 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