

CZT

SPECIFICATION FOR APPROVAL

CUSTOMER _____

CUSTOMER'S PART NO. _____ REV. _____

DESCRIPTION RJ45 ICM (1000 Base-T 1Port)

CZT'S PART NO. JDGU13650100 REV. A

ISSUE NO. _____

ISSUE DATE NOV.08,2017

☐ 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 Yizhao Electronic Co., Ltd.

Add: Yihua Holdings Industrial park, Cuntou district, Hu'men Town,
Dongguan,Guangdong,P.R.C.

TEL:+86-769-8624 0111

FAX:+86-769-8624 0238

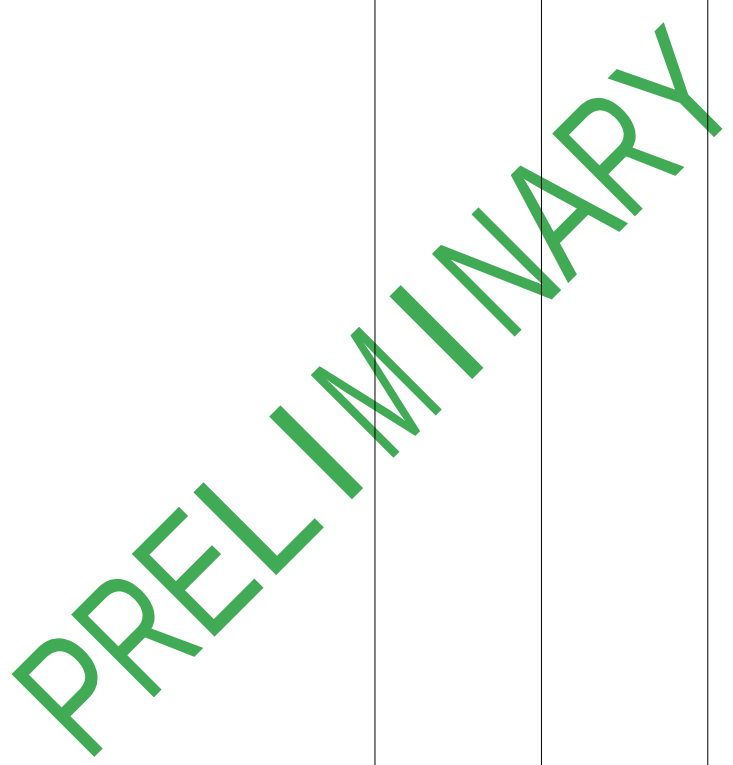
Note:

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.

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2. Revision Change Record

Customer Part No.: CZT Part No.: JDGU13650100 Part Name: RJ45 ICM(1000Base-T 1Port)					Rev.: A
					
Rev	Description	Drawn	Designed	Approved	Issue Date
A	Specification issued	ChenLingjuan	SunWenqun	Topup.Liu	NOV.08 2017
					

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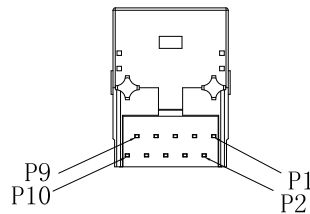
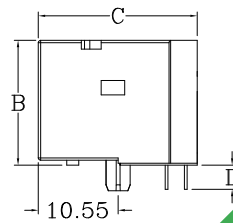
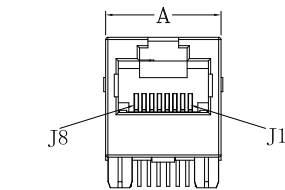
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CZT Part No.: JDGU13650100
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Rev.: A



4. Mechanical Dimension and Notes:

4-1. Mechanical Dimension:



UNIT : mm / inch

A = 15.25 / 0.600

B = 16.50 / 0.649

C = 21.00 / 0.827

D = 3.20 / 0.126

Unless otherwise specified, all dimensions tolerances is ± 0.254 / 0.010.

4-2. Notes:

- CONNECTOR MATERIAL:
HOUSING: THERMOPLASTIC BLUE 285C UL94 V-0
SHIELD: Brass
SHIELD PLATING: NICKEL
CONTACT: PHOSPHOR BRONZE
CONTACT PLATING: 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 $T = 0^{\circ}\text{C}$ TO $+70^{\circ}\text{C}$.
- 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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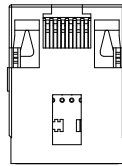
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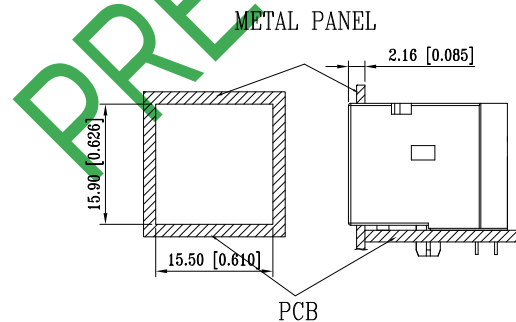


5. Label and Recommended PWB Layout and Suggested Panel Opening:
5-1. Label:

Plug In Side



- 5-2. Suggested Panel Opening:



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

REFERENCE ONLY

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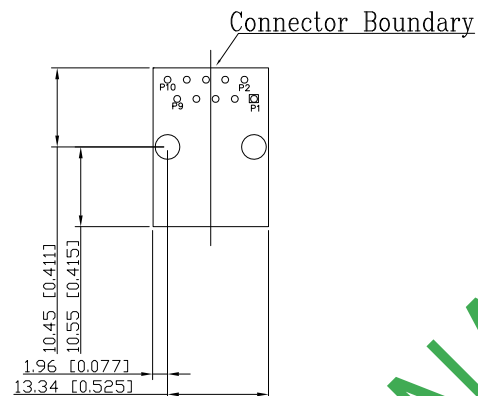
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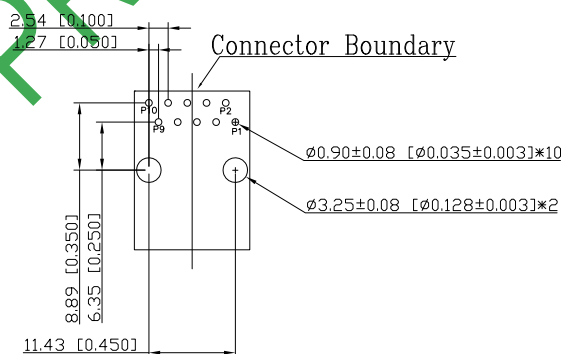
5-3. Keep-Out Area (Component Side View):



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

Plug In Side

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



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

Plug In Side

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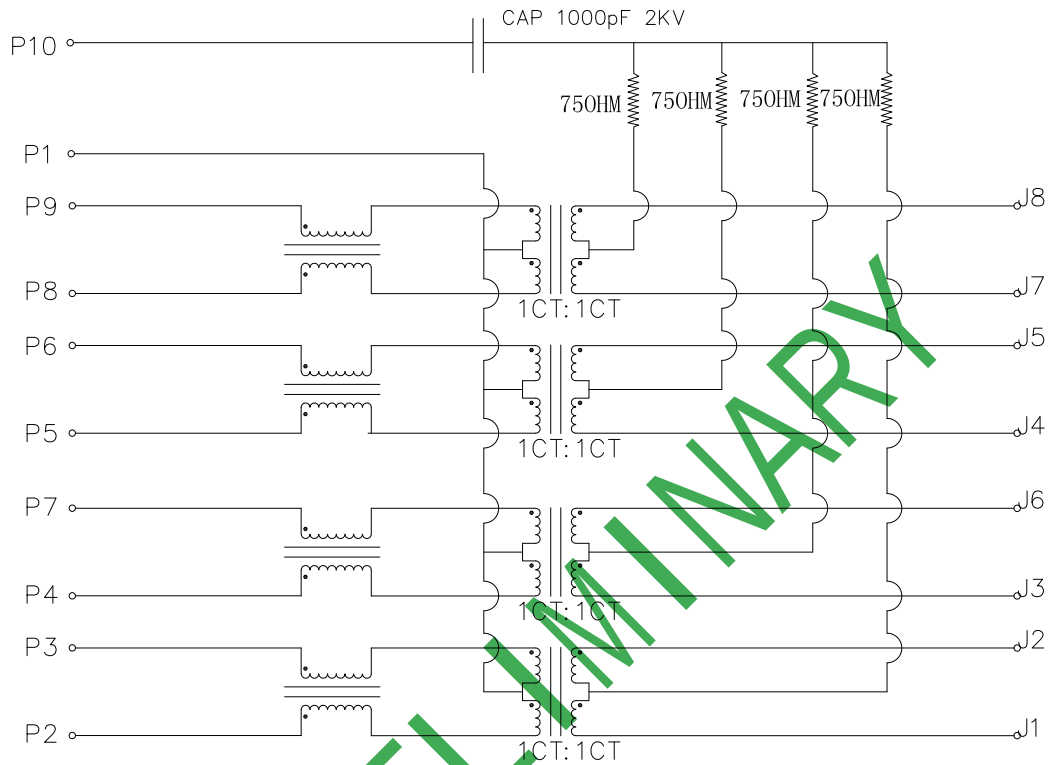
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6. Circuit Schematic and Electronical Specifications:

6-1. Circuit Schematic:



6-2. Electronical Specifications:

- 1.0 Turn Ratio @100KHz: (P2~P3):(J1~J2) = 1:1±5%
(P4~P7):(J3~J6) = 1:1±5%
(P5~P6):(J4~J5) = 1:1±5%
(P8~P9):(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: 2250VDC
- 9.0 Surge protection: Line to GND: 4KV