

CZT

SPECIFICATION FOR APPROVAL

CUSTOMER _____

CUSTOMER'S PART NO. _____ REV. _____

DESCRIPTION RJ45 ICM (1000 Base-T 1Port)

CZT'S PART NO. JSGU10020000 REV. B

ISSUE NO. _____

ISSUE DATE DEC.29,2018

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

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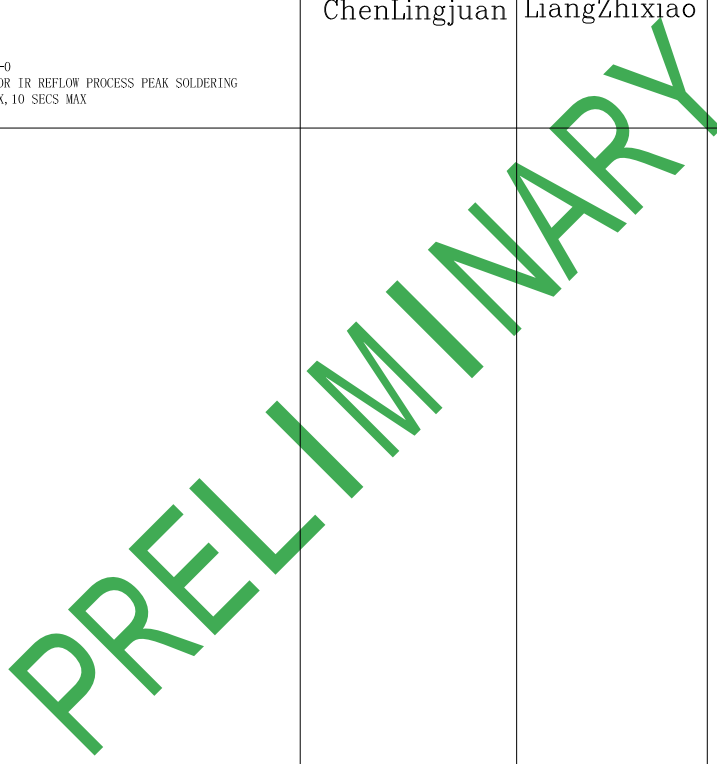
Note:

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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2. Revision Change Record

Customer Part No.: CZT Part No.: JSGU10020000 Part Name: RJ45 ICM(1000Base-T 1Port)					Rev.: B
					
Rev	Description	Drawn	Designed	Approved	Issue Date
A	Specification issued	ChenLingjuan	LiangZhixiao	Topup.Liu	JAN.13 2016
B	Change From: 1. CONNECTOR MATERIAL: HOUSING:THERMOPLASTIC BLACK UL94 V-0 4. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS 260° C MAX,10 SECS MAX To: 1. CONNECTOR MATERIAL: HOUSING:LCP BLACK UL94 V-0 4. THE PART IS RECOMMENDED FOR IR REFLOW PROCESS PEAK SOLDERING TEMPERATURE IS 245° C MAX,10 SECS MAX	ChenLingjuan	LiangZhixiao	Topup.Liu	NOV.02 2016
					

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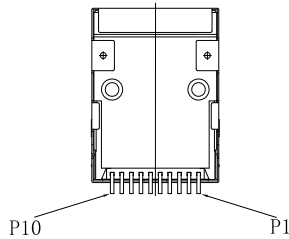
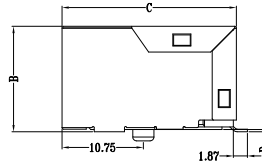
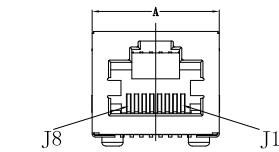
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Rev.: B



4. Mechanical Dimension and Notes:

4-1. Mechanical Dimension:



UNIT : mm / inch
A = 16.80 / 0.661
B = 13.95 / 0.549
C = 23.05 / 0.907
D = 0.30 / 0.012

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

4-2. Notes:

- CONNECTOR MATERIAL:
HOUSING: LCP BLACK UL94 V-0
SHIELD: Brass
SHIELD PLATING: NICKEL
CONTACT: PHOSPHOR BRONZE
CONTACT PLATING: SELECTIVE GOLD FLASH 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 IR REFLOW PROCESS PEAK SOLDERING TEMPERATURE IS 245° C MAX, 10 SECS MAX
- OPERATING TEMPERATURE T=0° C TO +70° C.
- STORAGE TEMPERATURE T=-40° C TO +85° C.

Drawn by
ChenLingjuan

Designed by
LiangZhixiao

Approved by
Topup. Liu

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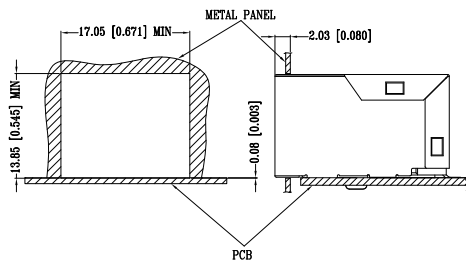


5. Label and Recommended PWB Layout and Suggested Panel Opening:
5-1. Label:

Plug In Side



5-2. Suggested Panel Opening:



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

REFERENCE ONLY

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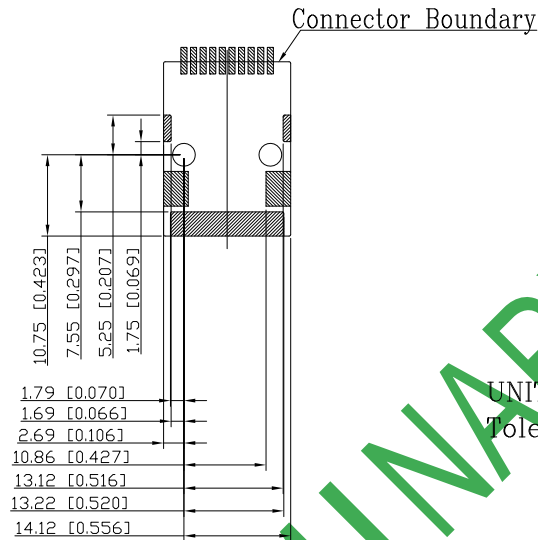
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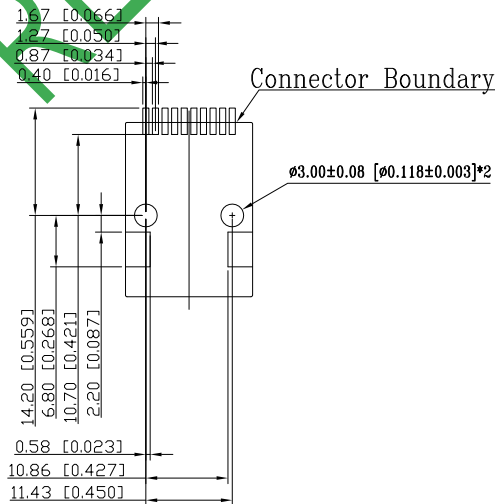
5-3. Keep-Out Area (Component Side View):



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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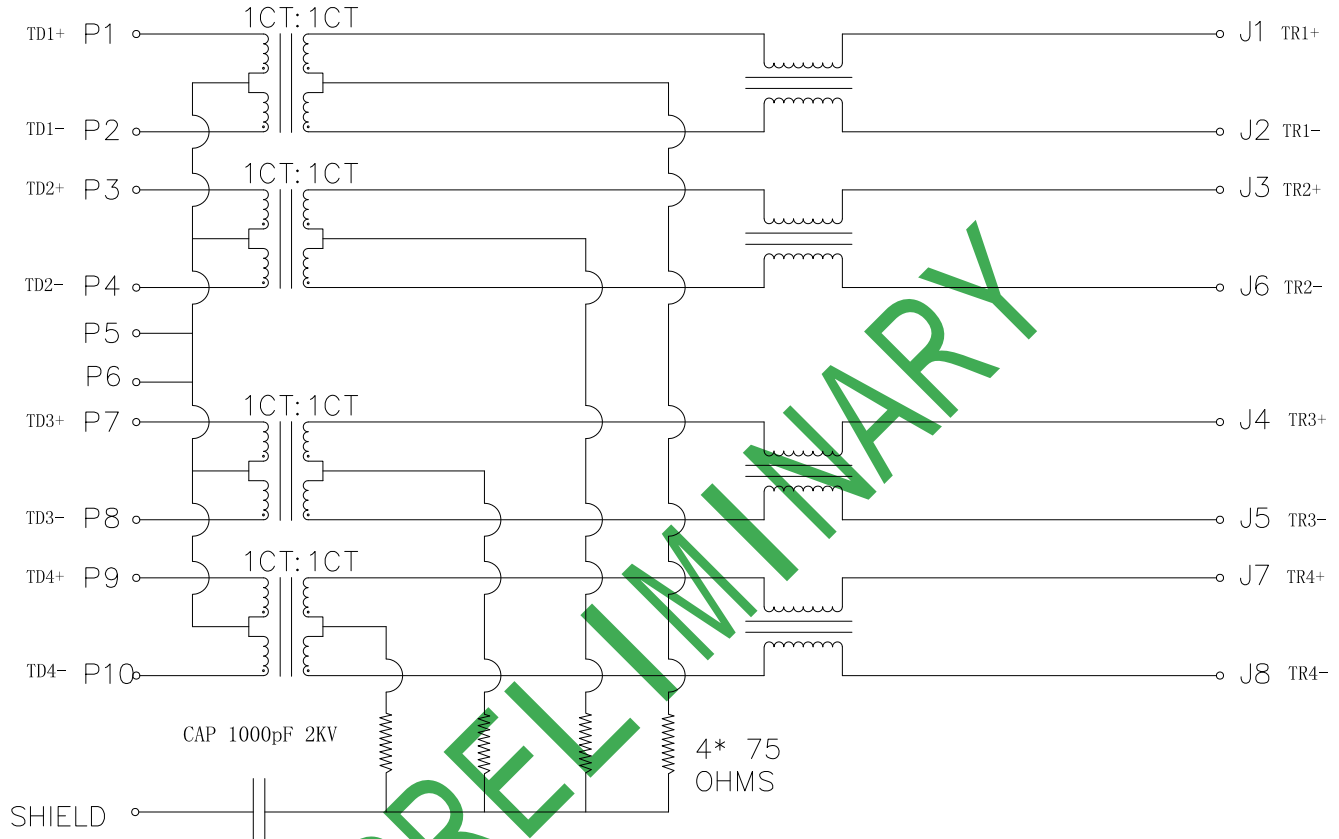
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6. Circuit Schematic and Electrical Specifications:

6-1. Circuit Schematic:



6-2. Electrical Specifications:

- 1.0 Turn Ratio @100KHz:
 - (P1~P2):(J1~J2) = 1:1±5%
 - (P3~P4):(J3~J6) = 1:1±5%
 - (P7~P8):(J4~J5) = 1:1±5%
 - (P9~P10):(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