

CZT

SPECIFICATION FOR APPROVAL

CUSTOMER _____

CUSTOMER'S PART NO. _____ REV. _____

DESCRIPTION RJ45 ICM(1000Base-T 8Port)

CZT'S PART NO. JDD240870242 REV. C

ISSUE NO. _____

ISSUE DATE SEP.11,2019

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

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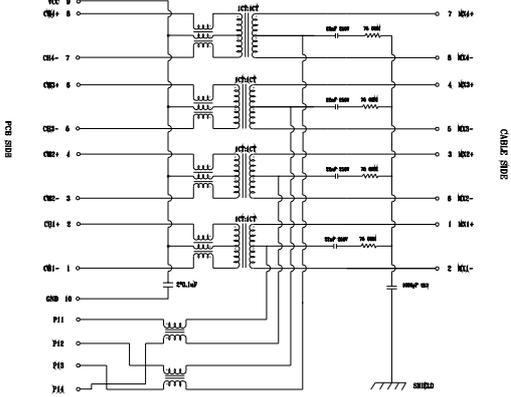
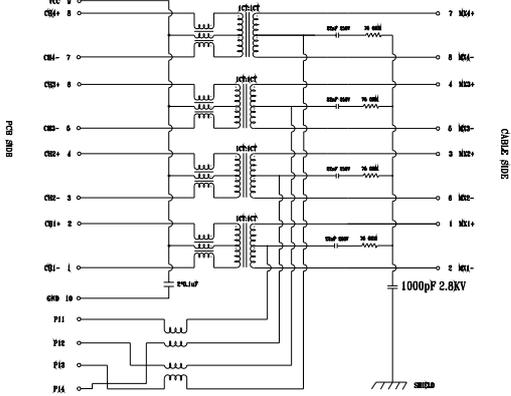
Note:

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.: JDD240870242 Part Name: RJ45 ICM(1000Base-T 8Port)					Rev.: C																																												
					 RoHS																																												
Rev	Description	Drawn	Designed	Approved	Issue Date																																												
A	Specification issued	ChenLingjuan	SunWenqun	Topup.Liu	SEP.07 2017																																												
B	Change From: <table border="1" data-bbox="242 640 777 728"> <thead> <tr> <th colspan="5">LED SPECIFICATION</th> </tr> <tr> <th>STANDARDLED</th> <th>WAVELENGTH</th> <th>Forward Current</th> <th>Forward V(max)</th> <th>TYP</th> </tr> </thead> <tbody> <tr> <td>GREEN</td> <td>565nm</td> <td>20 mA</td> <td>2.4V</td> <td>2.2V</td> </tr> <tr> <td>YELLOW</td> <td>590nm</td> <td>20 mA</td> <td>2.5V</td> <td>2.1V</td> </tr> </tbody> </table> To: <table border="1" data-bbox="239 810 788 882"> <thead> <tr> <th colspan="6">LED SPECIFICATION</th> </tr> <tr> <th>STANDARDLED</th> <th>WAVELENGTH</th> <th>Forward Current</th> <th>Forward V(max)</th> <th>TYP</th> <th>Luminous Intensity</th> </tr> </thead> <tbody> <tr> <td>GREEN</td> <td>565nm</td> <td>20 mA</td> <td>2.4V</td> <td>2.2V</td> <td>30-80Mcd</td> </tr> <tr> <td>YELLOW</td> <td>590nm</td> <td>20 mA</td> <td>2.5V</td> <td>2.1V</td> <td>30-120Mcd</td> </tr> </tbody> </table>	LED SPECIFICATION					STANDARDLED	WAVELENGTH	Forward Current	Forward V(max)	TYP	GREEN	565nm	20 mA	2.4V	2.2V	YELLOW	590nm	20 mA	2.5V	2.1V	LED SPECIFICATION						STANDARDLED	WAVELENGTH	Forward Current	Forward V(max)	TYP	Luminous Intensity	GREEN	565nm	20 mA	2.4V	2.2V	30-80Mcd	YELLOW	590nm	20 mA	2.5V	2.1V	30-120Mcd	ChenLingjuan	SunWenqun	Topup.Liu	APR.13 2019
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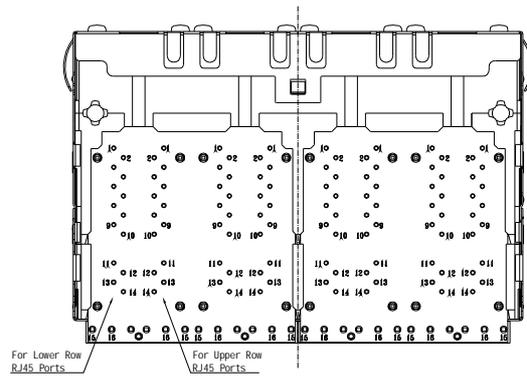
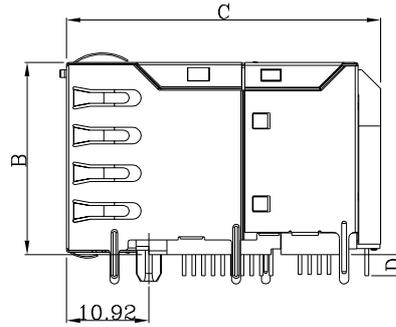
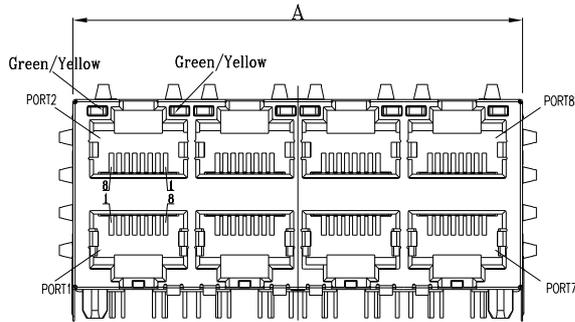
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Rev.: C



4. Mechanical Dimension and Notes: 4-1. Mechanical Dimension:



UNIT : mm / inch
 A = 59.14 / 2.328
 B = 25.50 / 1.004
 C = 41.53 / 1.635 MAX
 D = 2.60 / 0.102

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

4-2. Notes:

1. CONNECTOR MATERIAL:
 HOUSING: THERMOPLASTIC BLACK UL94 V-0
 SHIELD: Brass
 SHIELD PLATING: NICKEL
 CONTACT: PHOSPHOR BRONZE
 CONTACT PLATING: SELECTIVE GOLD, 50 MICRO-INCHS MIN IN CONTACT AREA
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL DRAWING FOR OMITTED PINS
3. RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68.
4. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS 260° C MAX, 10 SECS MAX
5. MATING FORCE: 5 POUNDS MAXIMUM WITH LATCH
 DEPRESSED AT AN ADVANTAGEOUS ANGLE
 UNMATING FORCE: 5 POUNDS MAXIMUM WITH LATCH
 DEPRESSED AT AN ADVANTAGEOUS ANGLE
 PLUG RETENTION FORCE: 50 NEWTONS MINIMUM
6. DURABILITY (MATING/UNMATING): 750 CYCLES
7. OPERATING TEMPERATURE T = -40° C TO +85° C.
8. STORAGE TEMPERATURE T = -40° C TO +85° C.

LED SPECIFICATION					
STANDARD LED	WAVELENGTH	Forward Current	Forward V(max)	TYP	Luminous Intensity
GREEN	565nm	20 mA	2.4V	2.2V	30-80Mcd
YELLOW	590nm	20 mA	2.5V	2.1V	30-120Mcd

Drawn by

Designed by

Approved by

ChenLingjuan

SunWenqun

Topup.Liu

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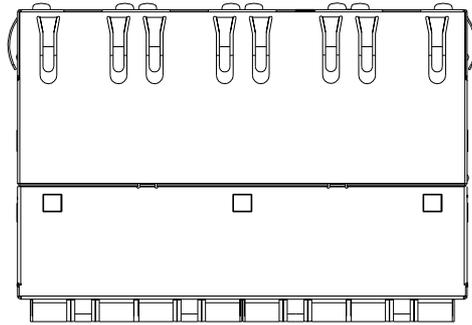
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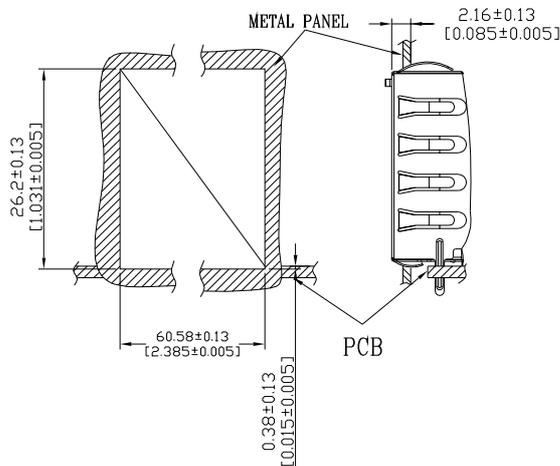


5. Label and Recommended PWB Layout and Suggested Panel Opening:
 5-1. Label:

Plug In Side



5-2. Suggested Panel Opening:



UNIT: mm / inch
 Tolerances: ±0.10 / 0.004

REFERENCE ONLY

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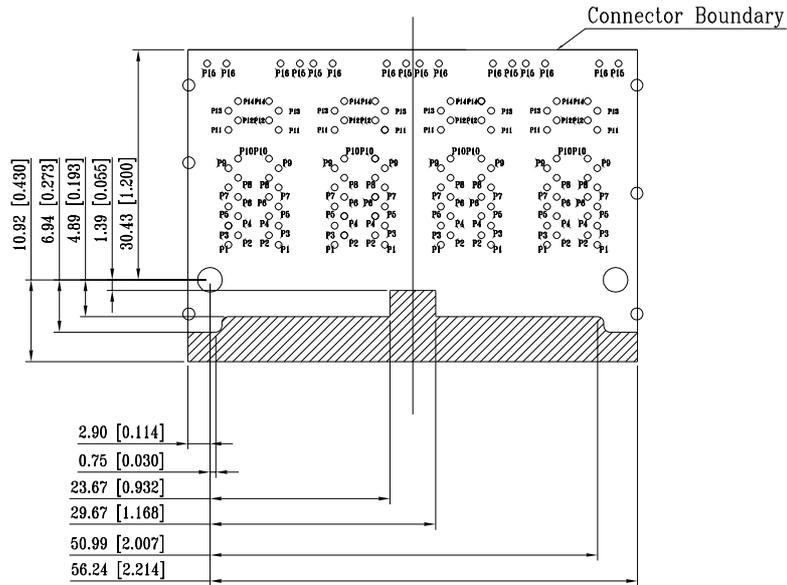
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5-3. Keep-Out Area (Component Side View):

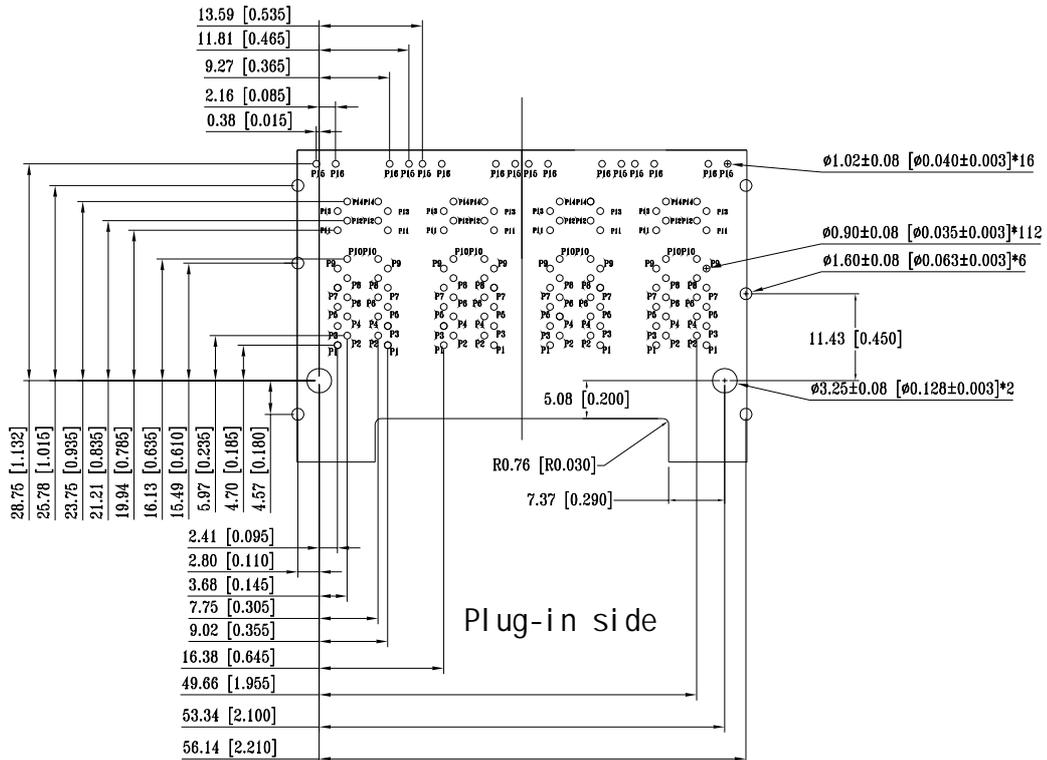


Plug-in side

UNIT: mm / inch

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

Tolerances: ± 0.10 / 0.004



UNIT: mm / inch

Tolerances: ± 0.10 / 0.004

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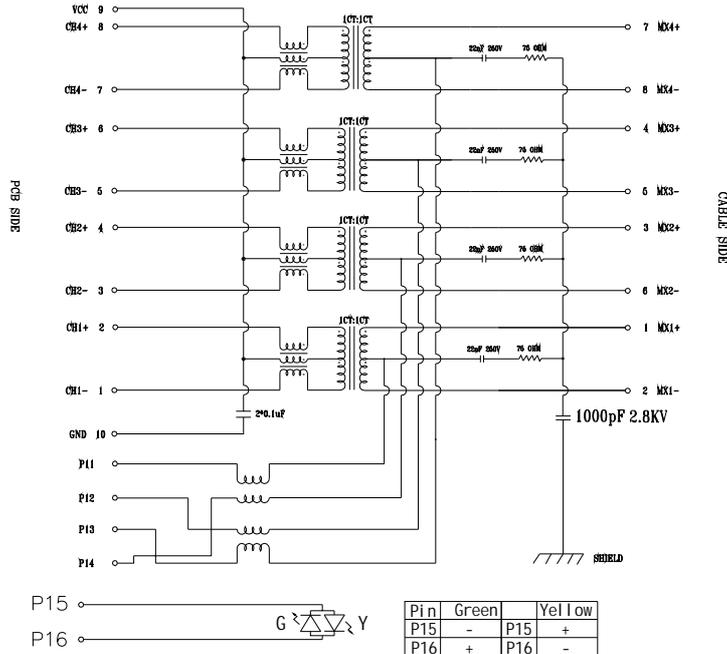
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6. Circuit Schematic and Electrical Specifications:

6-1. Circuit Schematic:



6-2. Electrical Specifications:

- 1.0 Turn Ratio @100KHz: (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
 120uH MIN @100KHZ,0.1V 19mA 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. DC CURRENT/VOLTAGE RATING-PSE PINS: 600mA (4 pairs) DC per pair

6-3. Isolation:

- Isolation RX/TX (line side) to RD/TD (phy side): 1,5kV AC over 60 sec.
- Isolation voltage RD/TD (PHY side)TO shield: 1000VAC over 60 sec.
- Isolation voltage between ports: 1,5kV AC or 2kV DC 60SEC.
- Isolation RX/TX (line side) to shield:2250VDC 60sec.
- Isolation RX/TX (line side) to LED pins: 2250VDC 60sec.
- Isolation shield to LED pins: 2250VDC 60sec.