

CZT

SPECIFICATION FOR APPROVAL

CUSTOMER _____

CUSTOMER'S PART NO. _____ REV. _____

DESCRIPTION RJ45+USB ICM(1000Base-T 1Port)

CZT'S PART NO. JBGU10490104 REV. E

ISSUE NO. _____

ISSUE DATE APR.23,2014

☐ APPROVED	☐ REJECTED:
☐ APPROVED UNDER THE CONDITIONS:	

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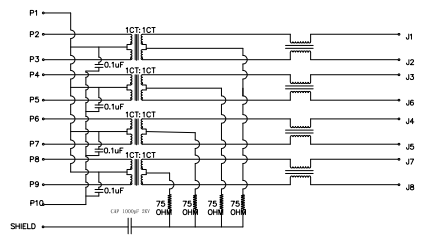
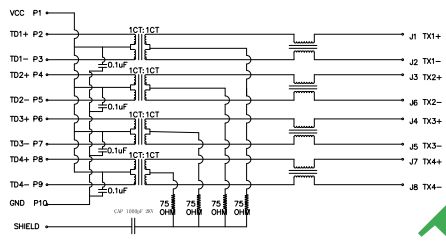
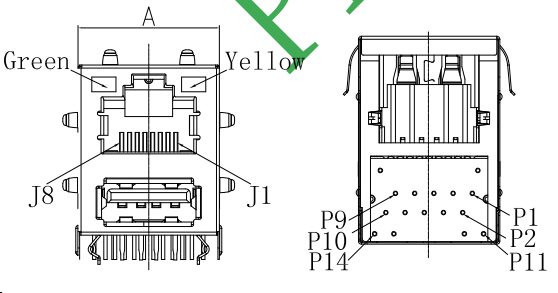
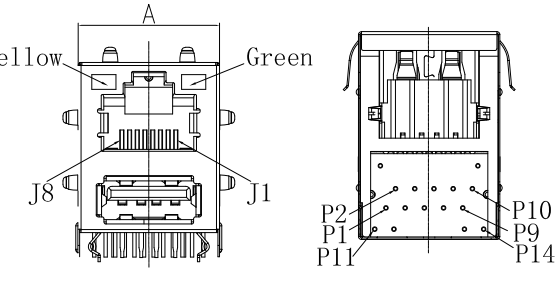
Note:

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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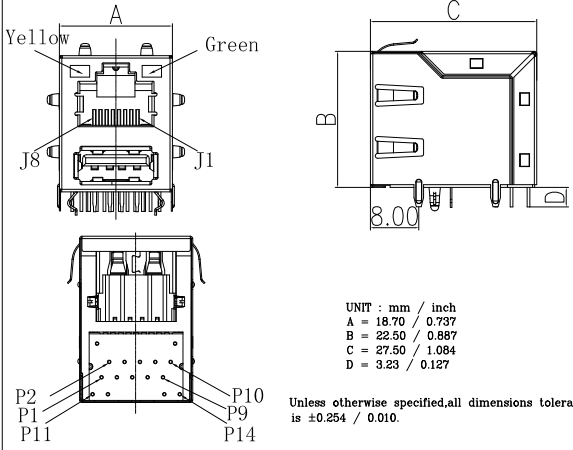
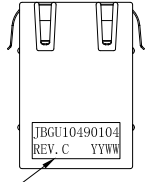
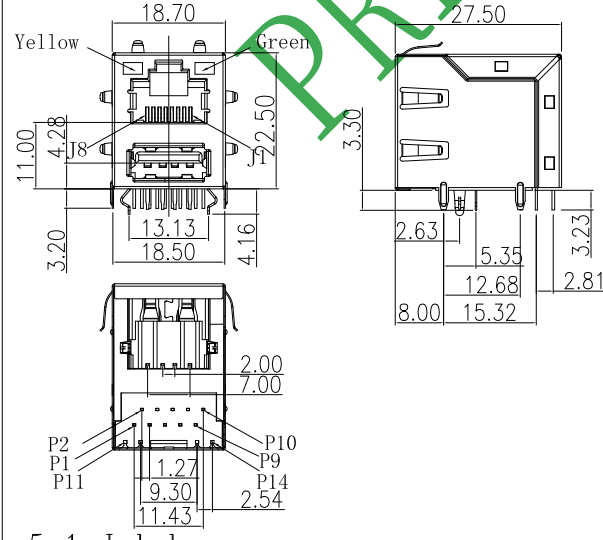
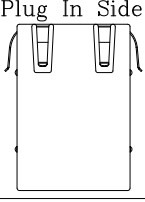
2. Revision Change Record

Customer Part No.: CZT Part No.: JBGU10490104 Part Name: RJ45+USB ICM(1000Base-T 1Port)					Rev.: E
					
Rev	Description	Drawn	Designed	Approved	Issue Date
A	Specification issued	ChenLingjuan	ZhangChao	Topup.Liu	NOV.01 2010
B	FROM  To 	ChenLingjuan	ZhangChao	Topup.Liu	JAN.19 2011
C	Change From  To 	ChenLingjuan	ZhangChao	Topup.Liu	MAR.25 2011

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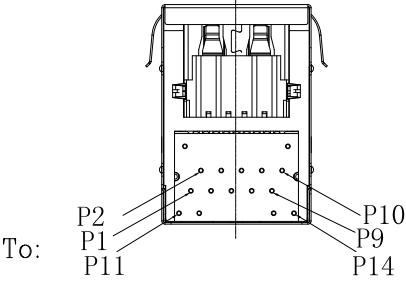
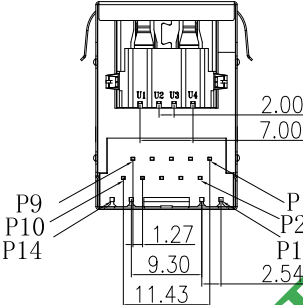
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Rev	Description	Drawn	Designed	Approved	Issue Date
D	Change From: 4-1. Mechanical Dimension:  UNIT : mm / inch A = 18.70 / 0.737 B = 22.50 / 0.887 C = 27.50 / 1.084 D = 3.23 / 0.127 Unless otherwise specified, all dimensions tolerances is ± 0.254 / 0.010. 5-1. Label: Plug In Side  To: Label	ChenLingjuan	ZhangChao	Topup.Liu	OCT.31 2013
	4-1. Mechanical Dimension:  5-1. Label: To: Plug In Side 				

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2. Revision Change Record

Customer Part No.: CZT Part No.: JBGU10490104 Part Name: RJ45 ICM(1000Base-T 1Port)					Rev.: E
					
Rev	Description	Drawn	Designed	Approved	Issue Date
E	Change From: 4-1. Mechanical Dimension:  To: 4-1. Mechanical Dimension: 	ChenLingjuan	ZhangChao	Topup.Liu	APR.23 2014

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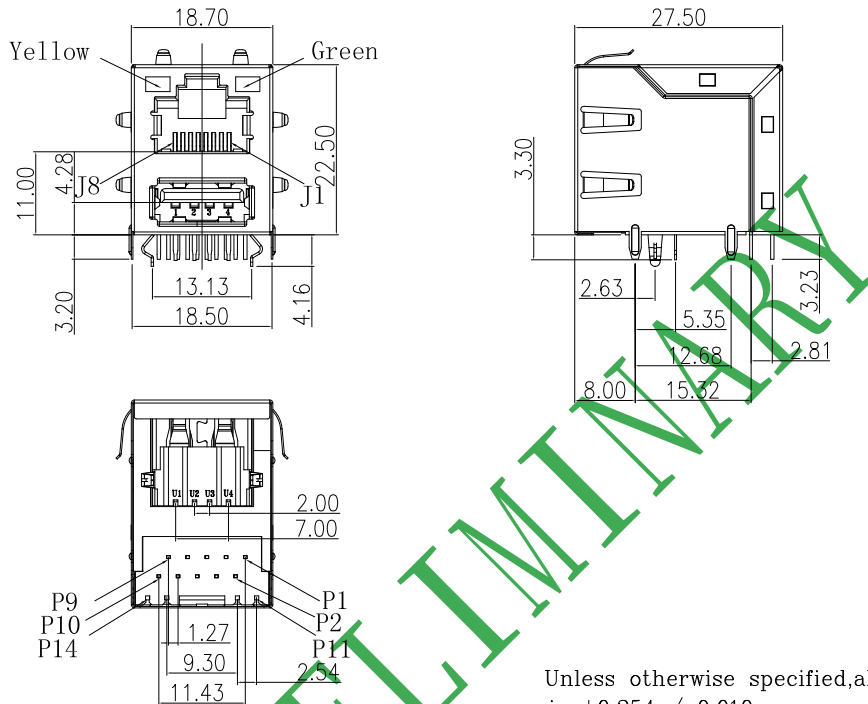
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4. Mechanical Dimension and Notes:

4-1. Mechanical Dimension:



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

4-2. Notes:

- CONNECTOR MATERIAL:
 - RJ45
HOUSING: THERMOPLASTIC BLACK UL94 V-0
SHIELD: Brass
SHIELD PLATING: NICKEL 50 MICRO-INCHES MIN
CONTACT: PHOSPHOR BRONZE
CONTACT PLATING: SELECTIVE GOLD, 6 MICRO-INCHES MIN IN CONTACT AREA
 - USB2.0
HOUSING: PBT WHITE UL94 V-0
SHIELD: Brass
SHIELD PLATING: NICKEL
CONTACT: PHOSPHOR BRONZE
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 $T = 0^{\circ}\text{C}$ TO $+70^{\circ}\text{C}$.
- STORAGE TEMPERATURE $T = -40^{\circ}\text{C}$ TO $+85^{\circ}\text{C}$.

LED SPECIFICATION				
STANDARD LED	WAVELENGTH	Forward Current	Forward V(max)	TYP
GREEN	565nm	20 mA	2.4V	2.2V
YELLOW	590nm	20 mA	2.5V	2.1V

Drawn by
ChenLingjuan

Designed by
ZhangChao

Approved by
Topup.Liu

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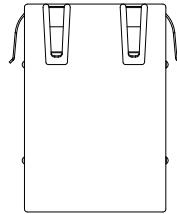
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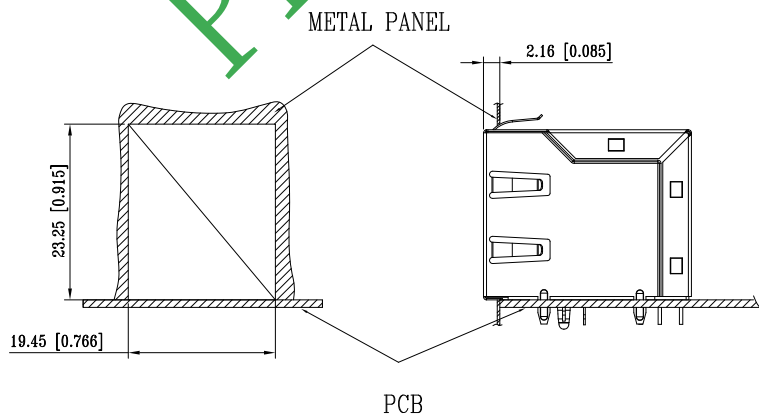


5. Label and Recommended PWB Layout and Suggested Panel Opening:
5-1. Label:

Plug In Side



- 5-2. Suggested Panel Opening:



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

REFERENCE ONLY

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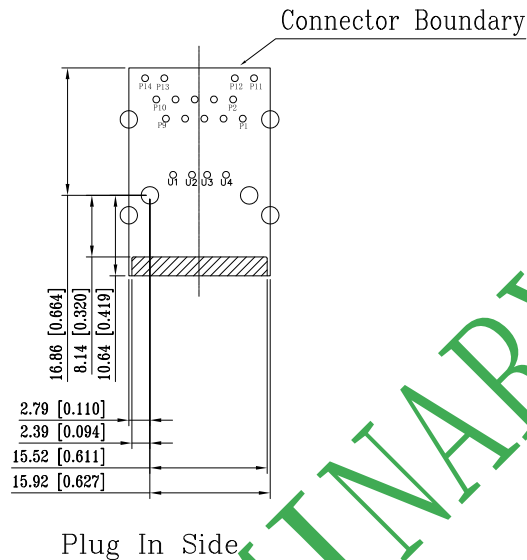
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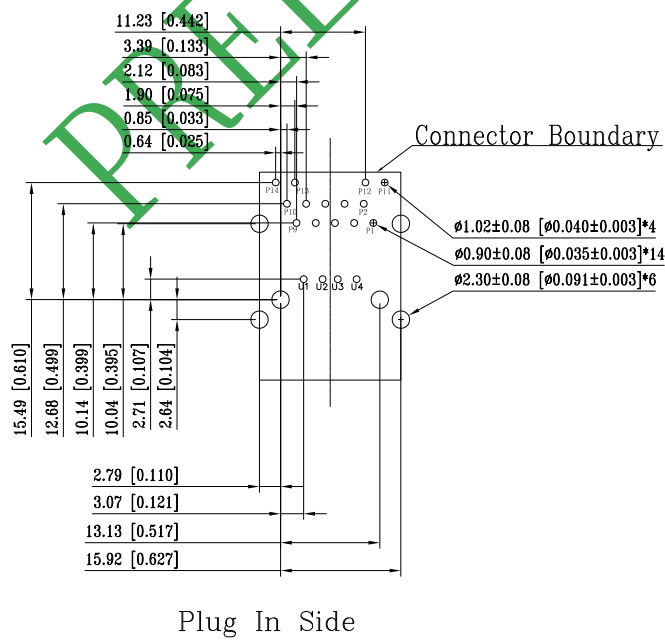
5-3. Keep-Out Area (Component Side View):



UNIT: mm / inch

Tolerances: ± 0.10 / 0.004

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



UNIT: mm / inch

Tolerances: ± 0.10 / 0.004

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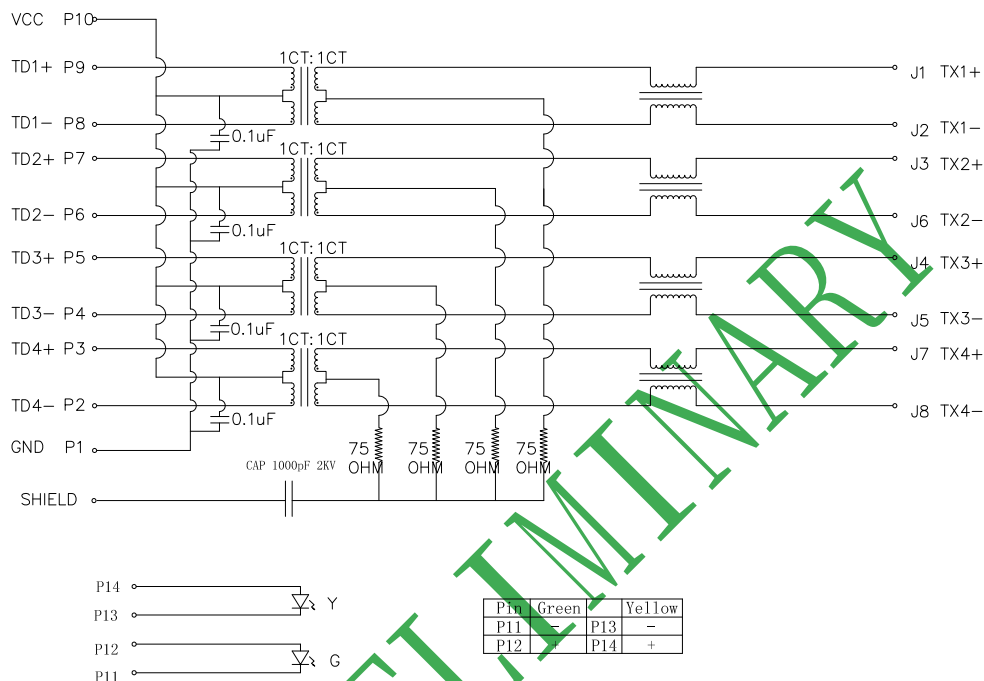
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6. Circuit Schematic and Electronical Specifications:

6-1. Circuit Schematic:



6-2. Electronical Specifications:

- 1.0 Turn Ratio @100KHz: (P9~P8):(J1~J2) = 1:1±5%
(P7~P6):(J3~J6) = 1:1±5%
(P5~P4):(J4~J5) = 1:1±5%
(P3~P2):(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