CZT

SPECIFICATION FOR APPROVAL

CUSTOMER_____

CUSTOMER'S PART NO._____**REV.**_____

DESCRIPTION RJ45+2USB ICM(1000Base-T 1Port)

CZT'S PART NO. JBGU10170917 **REV.** A

ISSUE NO._____

ISSUE DATE JUL.25,2016

☐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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SPECIFICATION FOR APPROVAL

2. Revision Change Record

Customer Part No.: CZT Part No.: JBGU10170917 Part Name: RJ45+2USB ICM(1000Base-T 1Port)	Rev.: A RoHS

Rev	Description	Drawn	Designed	Approved	Issue Date
A	Specification issued		ZhangChao	Topup.Liu	JUL,25.2016

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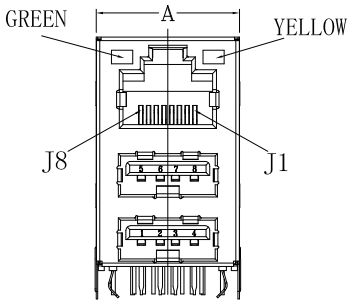
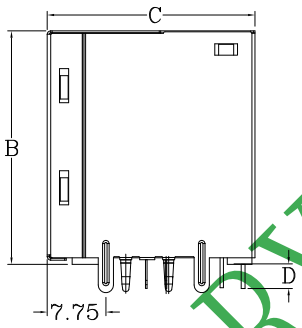
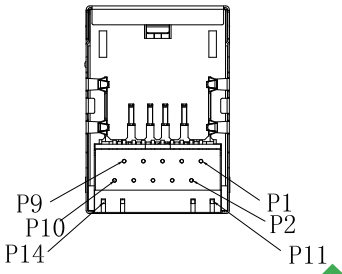
Customer Part No.: CZT Part No.: JBGU10170917 Part Name: RJ45+2USB ICM(1000Base-T 1Port)	Rev.: A RoHS

4. Mechanical Dimension and Notes:

4-1. Mechanical Dimension:







UNIT : mm / inch
A = 18.95 / 0.746
B = 30.87 / 1.215
C = 27.46 / 1.081
D = 3.20 / 0.126

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

4-2. Notes:

1. CONNECTOR MATERIAL:
   1.1 RJ45
   HOUISING:PBT BLACK UL94 V-0
   SHIELD:SUS304
   CONTACT:PHOSPHOR BRONZE
   CONTACT PLATING: SELECTIVE GOLD,6 MICRO-INCHS MIN IN CONTACT AREA
   1.2 USB2.0
   CONTACT:PHOSPHOR BRONZE
   CONTACT PLATING: SELECTIVE GOLD,6 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 RECOMMENDDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS 260° C MAX,10 SECS MAX
5. OPERATING TEMPERATURE T=0° C TO +70° C.
6. 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
YELLOW	590nm	20 mA	2.5V	2.1V

Drawn by	Designed by	Approved by
	ZhangChao	Topup.Liu

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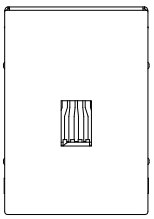
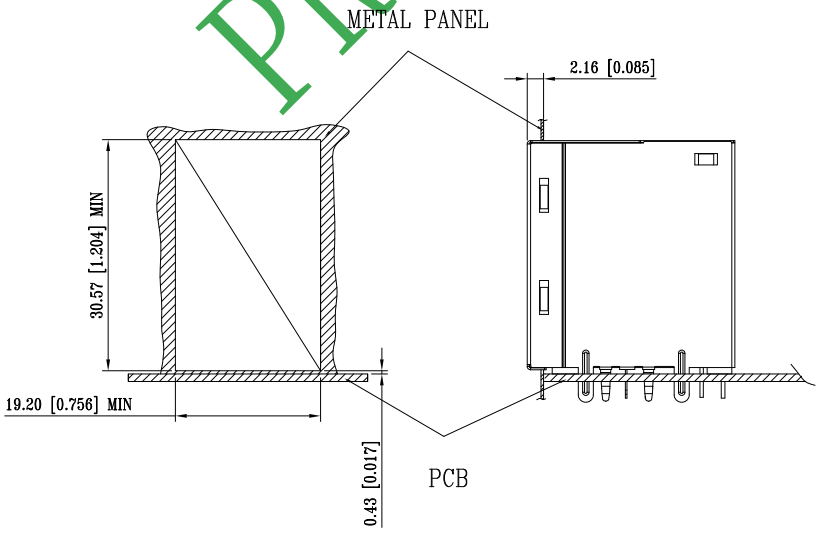
5. Label and Recommended PWB Layout and Suggested Panel Opening:

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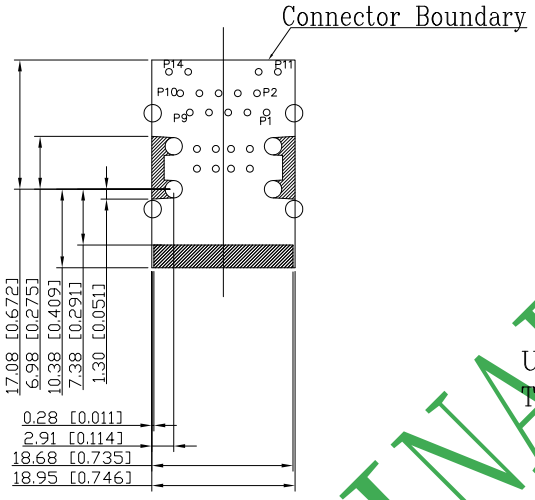
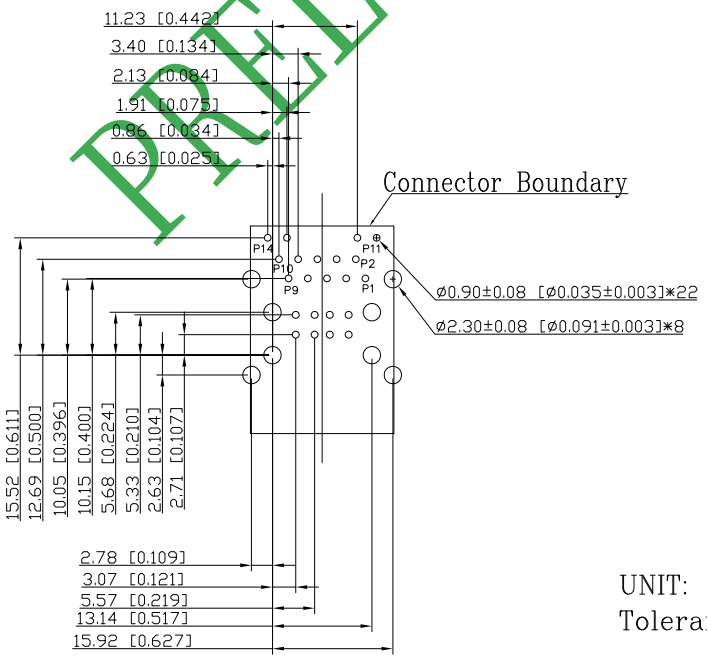
5-3. Keep-Out Area (Component Side View):



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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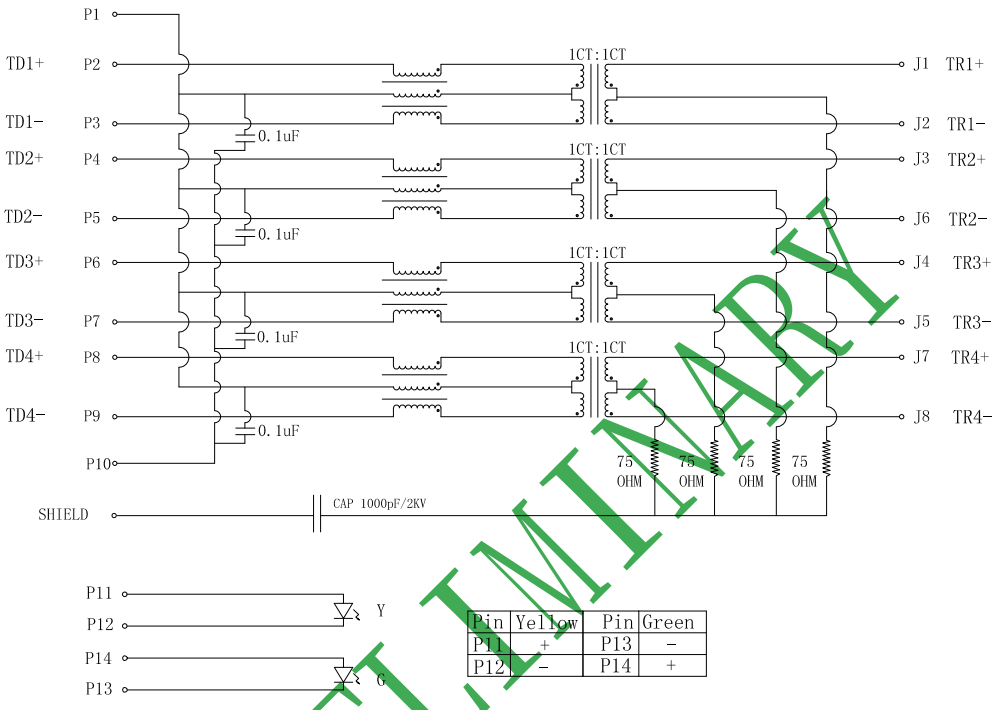
6. Circuit Schematic and Electronical Specifications:

6-1. Circuit Schematic:



Pin	Yellow	Pin	Green
P11	+	P13	-
P12	-	P14	+

6-2. Electronical Specifications:

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