SPECIFICATION FOR APPROVAL

CUSTOMER_____

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

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

CZT'S PART NO. **JBGU10920207** **REV.** **A**

ISSUE NO._____

ISSUE DATE **MAY.06,2016**

☐**APPROVED** ☐**APPROVED UNDER THE CONDITIONS:**	☐**REJECTED:**

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.**

SPECIFICATION FOR APPROVAL

2. Revision Change Record

Customer Part No.: CZT Part No.: JBGU10920207 Part Name: RJ45+USB ICM(1000Base-T 1Port)	Rev.: A RoHS

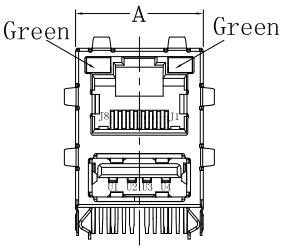
Rev	Description	Drawn	Designed	Approved	Issue Date
A	Specification issued	ChenLingjuan	ZhangChao	Topup.Liu	MAY.06 2016

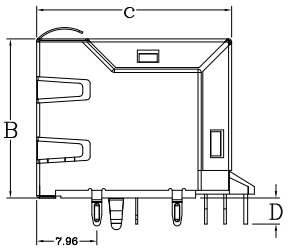
SPECIFICATION FOR APPROVAL

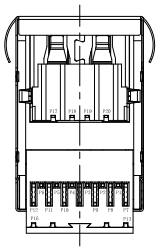
Customer Part No.: CZT Part No.: JBGU10920207 Part Name: RJ45+USB ICM(1000Base-T 1Port)	Rev.: A RoHS

4. Mechanical Dimension and Notes:

4-1. Mechanical Dimension:







UNIT : mm / inch
A = 16.89 / 0.665
B = 21.08 / 0.830
C = 25.78 / 1.015
D = 3.45 / 0.136

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

4-2. Notes:

1. CONNECTOR MATERIAL:
   1.1 RJ45
   HOUISING:THERMOPLASTIC BLACK UL94 V-0
   SHIELD:Brass
   SHIELD PLATING:NICKEL
   CONTACT:PHOSPHOR BRONZE
   CONTACT PLATING: SELECTIVE GOLD,6 MICRO-INCHS MIN IN CONTACT AREA
   1.2 USB2.0
   HOUISING:THERMOPLASTIC WHITE UL94 V-0
   SHIELD:Brass
   SHIELD PLATING:NICKEL
   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

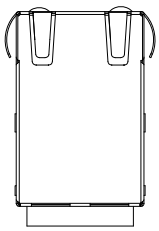
Drawn by	Designed by	Approved by
ChenLingjuan	ZhangChao	Topup.Liu

SPECIFICATION FOR APPROVAL

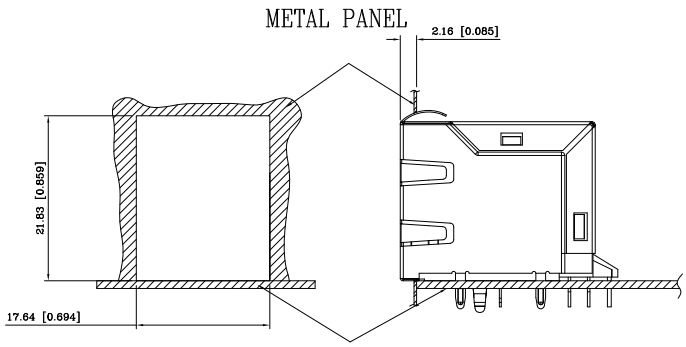
Customer Part No.: CZT Part No.: JBGU10920207 Part Name: RJ45+USB ICM(1000Base-T 1Port)	Rev.: A RoHS

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

Plug In Side



5-2. Suggested Panel Opening:



PCB

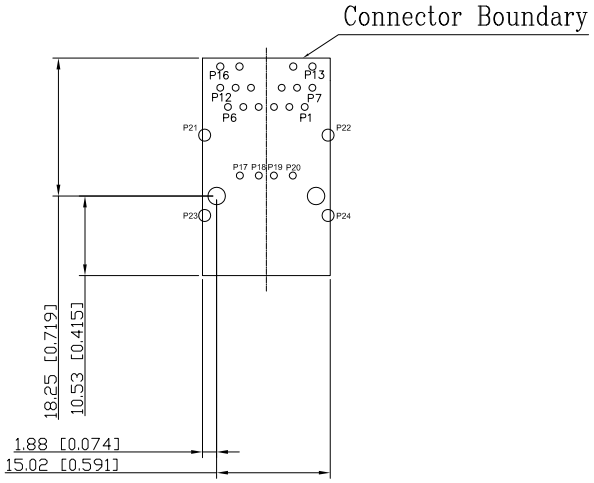
UNIT: mm / inch
Tolerances: ±0.10 / 0.004

REFERENCE ONLY

SPECIFICATION FOR APPROVAL

Customer Part No.: CZT Part No.: JBGU10920207 Part Name: RJ45+USB ICM(1000Base-T 1Port)	Rev.: A RoHS

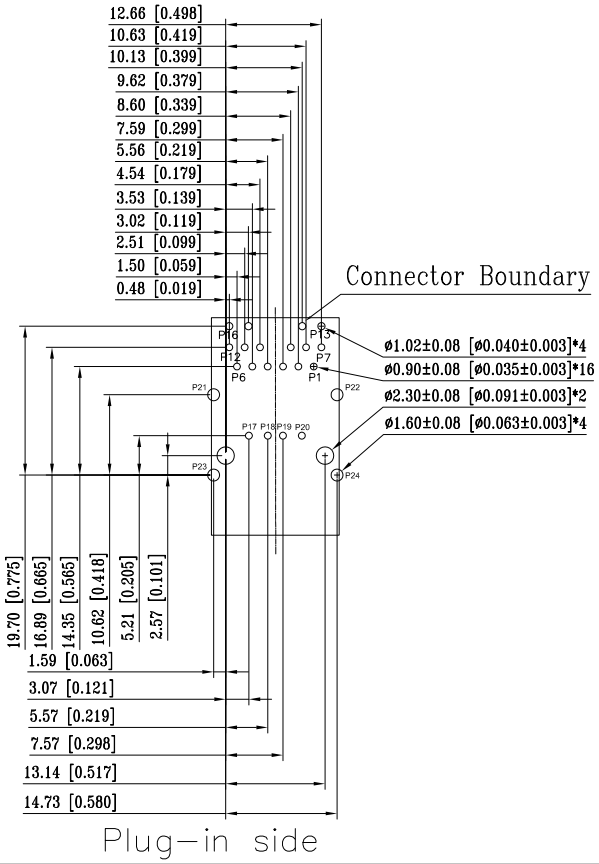
5-3. Keep-Out Area (Component Side View):



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

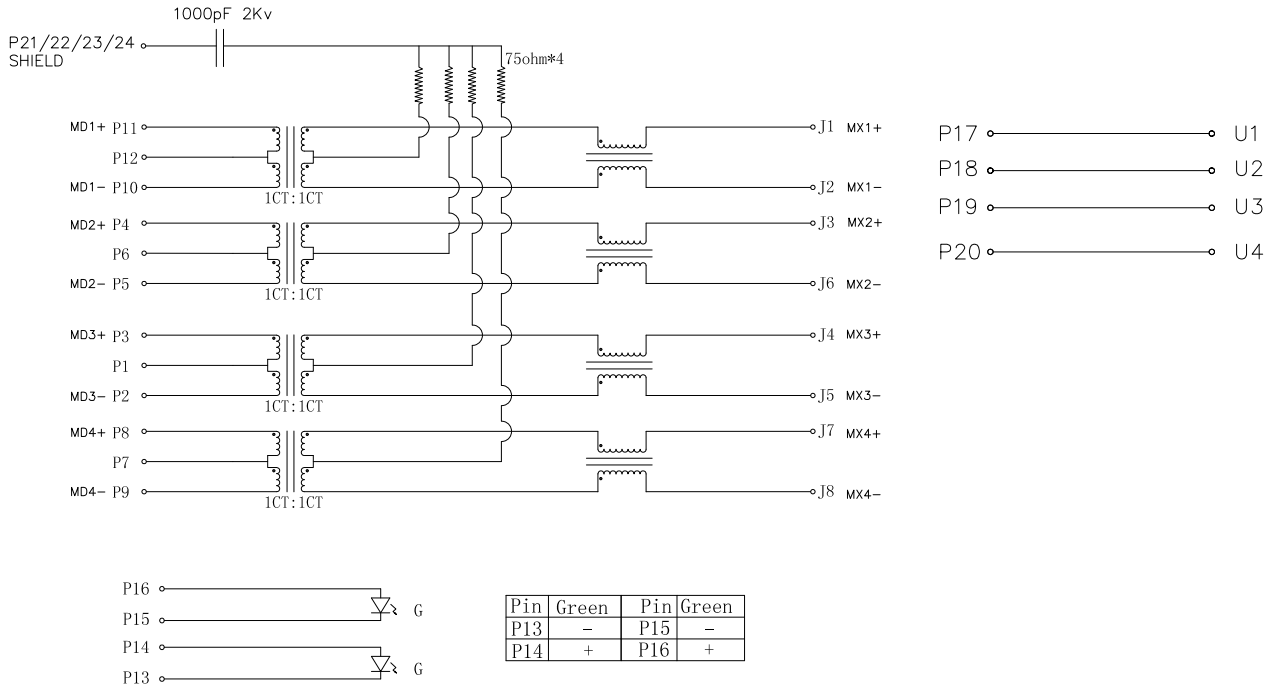
Plug-in side

SPECIFICATION FOR APPROVAL

Customer Part No.: CZT Part No.: JBGU10920207 Part Name: RJ45+USB ICM(1000Base-T 1Port)	Rev.: A RoHS

6. Circuit Schematic and Electronical Specifications:

6-1. Circuit Schematic:



Pin	Green	Pin	Green
P13	-	P15	-
P14	+	P16	+

6-2. Electronical Specifications:

1.0 Turn Ratio @100KHz: (P11~P10):(J1~J2) = 1:1±5%
(P4~P5):(J3~J6) = 1:1±5%
(P3~P2):(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