

CZT

SPECIFICATION FOR APPROVAL

CUSTOMER _____

CUSTOMER'S PART NO. _____ REV. _____

DESCRIPTION RJ45 ICM (5GBase-T 1Port)

CZT'S PART NO. JDDD19000000Y REV. A

ISSUE NO. _____

ISSUE DATE JULY.06,2018

☐ 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.: JDDD19000000Y Part Name: RJ45 ICM(5GBase-T 1Port)					Rev.: A
					 HF
Rev	Description	Drawn	Designed	Approved	Issue Date
A	Specification issued	ChenLingjuan	SunWenqun	Topup.Liu	MAY.24 2018
PRELIMINARY					

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SPECIFICATION FOR APPROVAL

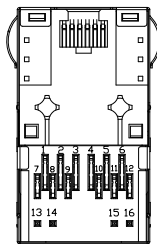
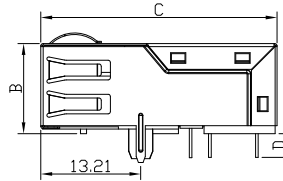
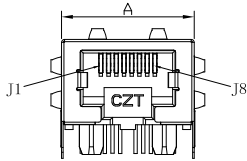
Customer Part No.:
CZT Part No.: JDDD19000000Y
Part Name: RJ45 ICM(5GBase-T 1Port)

Rev.: A



4. Mechanical Dimension and Notes:

4-1. Mechanical Dimension:



UNIT : mm / inch

A = 17.53 / 0.690

B = 11.93 / 0.445

C = 31.24 / 1.230

D = 3.17 / 0.125

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

4-2. Notes:

- CONNECTOR MATERIAL:
HOUSING: THERMOPLASTIC BLACK UL94 V-0 HALOGEN FREE
SHIELD: Brass
SHIELD PLATING: NICKEL
CONTACT: PHOSPHOR BRONZE
CONTACT PLATING: SELECTIVE GOLD, 50 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 $T = -40^{\circ}\text{C}$ TO $+85^{\circ}\text{C}$.
- STORAGE TEMPERATURE $T = -40^{\circ}\text{C}$ TO $+85^{\circ}\text{C}$.

Drawn by
ChenLingjuan

Designed by
SunWenqun

Approved by
Topup.Liu

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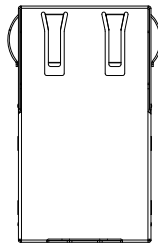
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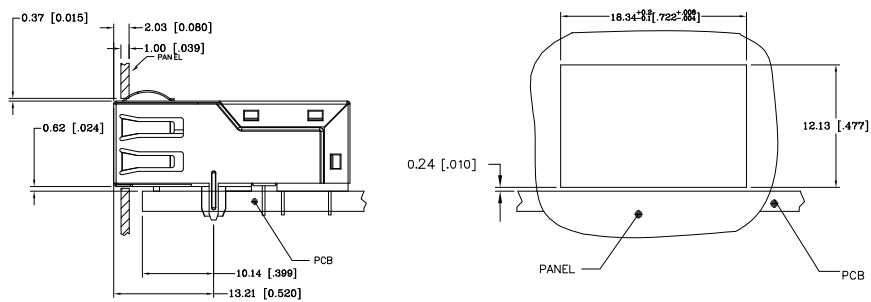
5. Label and Recommended PWB Layout and Suggested Panel Opening:

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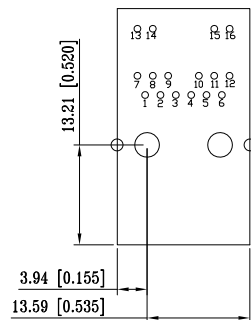
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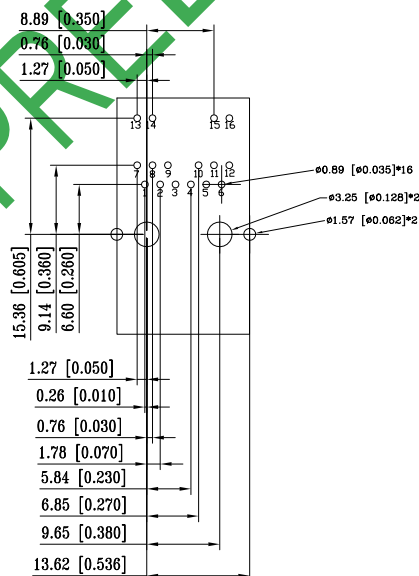
5-3. Keep-Out Area (Component Side View):



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

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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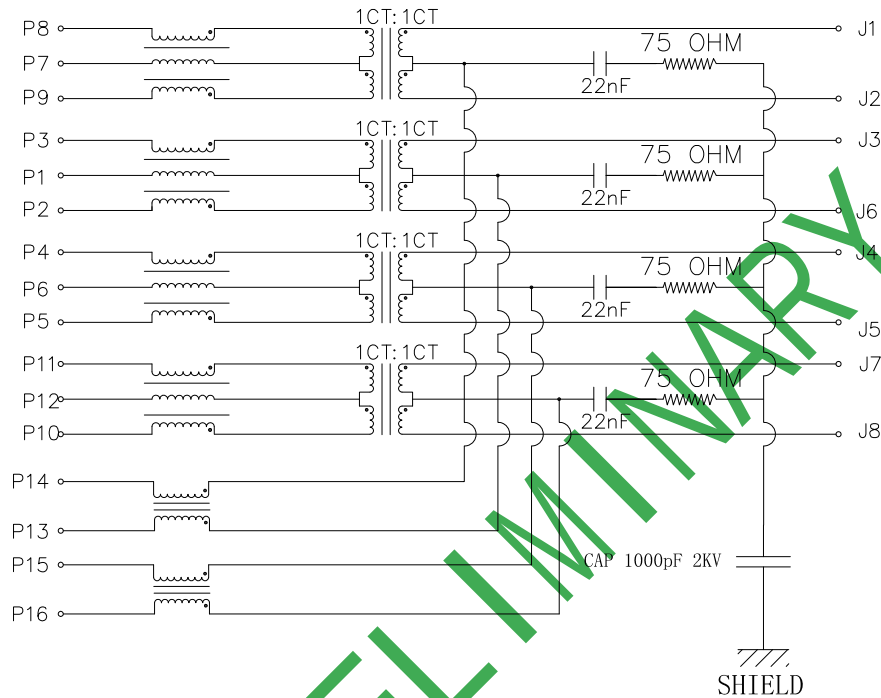
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6. Circuit Schematic and Electronical Specifications:

6-1. Circuit Schematic:



6-2 ELECTRICAL SPECIFICATIONS @ 25°C:

PARAMETER	SPECIFICATIONS		
URNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS	1-50MHz	50-125MHz	125-250MHz
	-0.5 dB MIN	-1.2 dB MIN	-2 dB MIN
RETURN LOSS	1-40 MHz	40-250 MHz	
	-16 dB MIN	16+10Log10(f/40) 40<f≤250 dB	
COMMON MODE REJECTION RATIO	1-40 MHz	40-100 MHz	100-250 MHz
	-30 dB MIN	-28 dB MIN	-26 dB MIN
DIFFERENTIAL MODE TO COMMON MODE ATTENUATION	1-250 MHz		
	-30dB MIN		
INDUCTANCE (OCL)	120uH MIN @100KHZ,0.1V WITH 19mA DC BIAS		
	180uH MIN @100KHZ,0.1V WITH 8mA DC BIAS		
CURRENT CARRYING CAPABILITY,RJ45 PIN 1-8	720mA MAX. @57VDC CONTINUDUS		
INPUT - OUTPUT ISOLATION	2250 VDC MINIMUM FOR 60 SECONDS		

NOTE: f IS FREQUENCY IN MHZ.