CZT

SPECIFICATION FOR APPROVAL

CUSTOMER'S PART NO	REV
DESCRIPTIONRJ45 I	CM (10/100 Base-T 1 Port)
CZT'S PART NO J	DFU13890125 REV.
CZT OLD P/N	
ISSUE NO	15B-030
ISSUE DATE	AN.28,2015
□APPROVED □APPROVED THE CONDIT	

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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

Rev.: A Customer Part No.: CZT Part No.: JDFU13890125 Part Name: RJ45 ICM (10/100 Base-T 1 Port) Issue Designed Approved Description Rev Drawn Date Α New Release Sunny shi DaVid Chen JAN,28.2015

$\mathbb{C}\mathbb{Z}\mathbb{T}$

SPECIFICATION FOR APPROVAL

Customer Part No.:

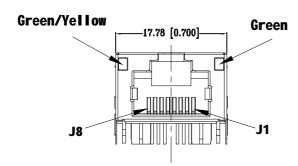
CZT Part No.: JDFU13890125

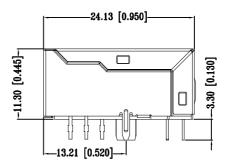
Part Name: RJ45 ICM (10/100 Base-T 1 Port)

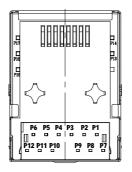
Rev.: A

4. Mechanical Dimension and Notes:

4-1. Mechanical Dimension:







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

4-2. Notes:

1.CONNECTOR MATERIAL:

HOUISING:PA66 BLACK UL94 V-0 INSERTER:PBT BLACK UL94 V-0

SHIELD:Brass

SHIELD PLATING:NICKEL CONTACT:COOPER ALLOY

CONTACT PLATING: SELECTIVE GOLD, 30 MICRO-INCHS MIN IN CONTACT AREA

- 2.PIN NOT ELECTRICALLY CONNECTED WAYBE 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.OPERATING TEMPERATURE T=0° C TO +70° C.
- 6.STORAGE TEMPERATURE T=-40° C TO +85° C.
- 7.AII CRITICAL DIMENSIONS WITH "*"

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

*WITH A FORWARD CURRENT OF 20mA

Drawn by	Designed by	Approved by

CZT

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Customer Part No.:

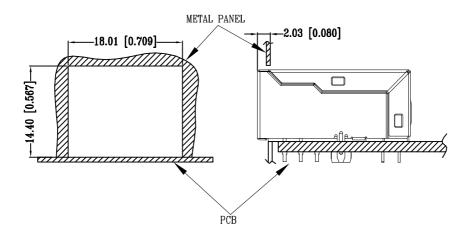
CZT Part No.: JDFU13890125

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Rev.: A

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

5−1. Suggested Panel Opening:



UNIT: mm / inch

Tolerances: $\pm 0.10 / 0.004$

REFERENCE ONLY

SPECIFICATION FOR APPROVAL

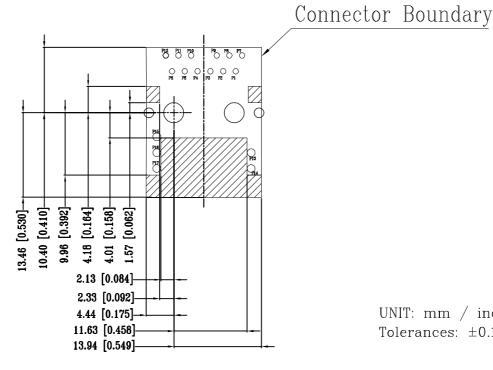
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Rev.: A

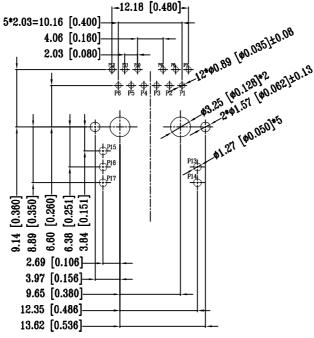
5-2. Keep-Out Area (Component Side View):



UNIT: mm / inch

Tolerances: $\pm 0.10 / 0.004$

5-3. Recommended PWB Layout (Component Side View):



UNIT: mm / inch

Tolerances: $\pm 0.10 / 0.004$

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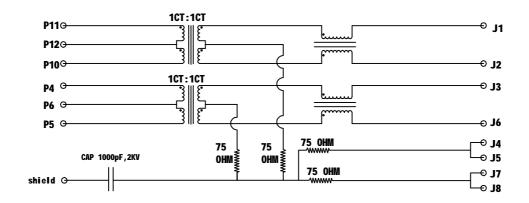
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6. Circuit Schematic and Electronical Specifications: 6-1. Circuit Schematic:





Pin	Yellow	Green		Green
P15	-		P13	_
P16	+	+	F 13	-
P17			P14	+

6-2. Electronical Specifications:

1.0 Turn Ratio @100KHz: $(P11\sim P10):(J1\sim J2) = 1:1\pm 5\%$

 $(P4\sim P5):(J3\sim J6) = 1:1\pm 5\%$

2.0 Primary Inductance: 350uH MIN @100KHZ,0.1V 8mA DC BIAS

3.0 DC Resistance:(J1~J2):(J3~J6) 1.2 OHMS MAX

4.0 Insertion Loss: 1-100MHz -1.2dB MAX

5.0 Return Loss: 1-30MHz-16dB MIN

> 30-60MHz -12dB MIN

> 60-80MHz -10dB 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: 1500VAC or 2250VDC