## **CZT**

### SPECIFICATION FOR APPROVAL

CUSTOMER'S PART NO		REV	
DESCRIPTION	NRJ45 ICM (10/	100 Base-T 1 Po	ort)
CZT'S PART N	NOJDFU1005	66204	_REVA
CZT OLD P/N			
ISSUE NO	14B-45	5	
ISSUE DATE_	Dec.05.20	14	
	□APPROVED  □APPROVED UNDER  THE CONDITIONS:	□REJECTED	):

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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.

# CZT

## SPECIFICATION FOR APPROVAL

### 2. Revision Change Record

Custo	mer Part No.:				R	ev.: A
Part	Part No.: JDFU10056204 Name: RJ45 ICM (10/100 Base-T 1 Port)					ROHS
Rev	Description	Drawn	Designed	Appro	ved	Issue Date
A	New Release	Sunny shi	,	DaVid C	hen	Dec,05.2014

## CZT

### SPECIFICATION FOR APPROVAL

Customer Part No.:

CZT Part No.: JDFU10056204

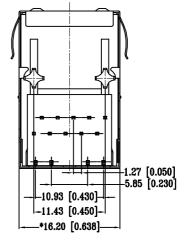
Part Name: RJ45 ICM (10/100 Base-T 1 Port)

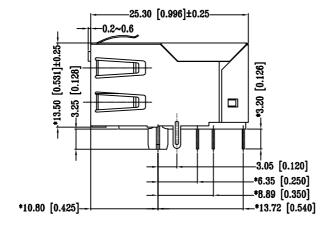


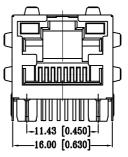
4. Mechanical Dimension and Notes:

4-1. Mechanical Dimension:

Unless otherwise specified, all dimensions tolerances is  $\pm 0.254$  / 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, 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 RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING
- TEMPERATURE IS 260° C MAX,10 SECS MAX
- 5.0PERATING TEMPERATURE T=0  $^{\circ}$  C TO +70  $^{\circ}$  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 20mf

Drawn by	Designed by	Approved by

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

### SPECIFICATION FOR APPROVAL

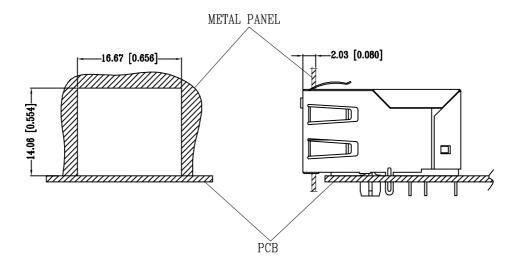
Customer Part No.:

CZT Part No.: JDFU10056204

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

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

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

## SPECIFICATION FOR APPROVAL

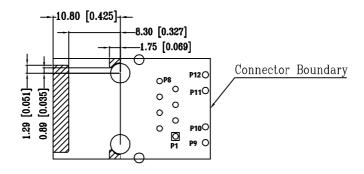
Customer Part No.:

CZT Part No.: JDFU10056204

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

Rev.: A

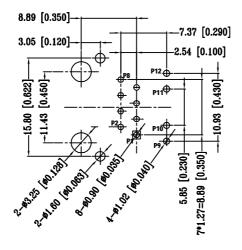
### 5-2. Keep-Out Area (Component Side View):



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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### SPECIFICATION FOR APPROVAL

Rev.: A Customer Part No.: CZT Part No.: JDFU10056204 Part Name: RJ45 ICM (10/100 Base-T 1 Port) 6. Circuit Schematic and Electronical Specifications: 6-1. Circuit Schematic: 1CT:1CT P1 ⊕ ⊕ J1 P3 O-**⊕ J2** 1CT:1CT → J3 **P6** ⊕ 75 OHM **⊕** J4 **75** CAP 1000pF,2KV **⊕ J5** ОНМ≷ OHM≶ **75 OHM** ⊕ J7 **⊕ J8** Pin Yellow Green P10 **P12** P11 6-2. Electronical Specifications: 1.0 Turn Ratio @100KHz:  $(P1 \sim P3):(J1 \sim J2) = 1:1 \pm 5\%$  $(P4\sim P6):(J3\sim J6) = 1:1\pm 5\%$ 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: -1.2dB MAX  $1-100\mathrm{MHz}$ 5.0 Return Loss: 1-30MHz-16dB MIN 30-60MHz -12dB MIN 60-80MHz −10dB MIN 6.0 CROSS TALK: 1 - 100 MHz-30dB MIN 7.0 COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB MIN 8.0 Isolation: PHY Side to Line Side: 1500VAC or 2250VDC