### **CZT**

### SPECIFICATION FOR APPROVAL

COSTONIERS	S PART NO				
DESCRIPTION	RJ45 ICM (10/100	10/100 Base-T 2*1 Port)			
CZT'S PART N	NOJDF21075010′	7REV			
CZT OLD P/N					
ISSUE NO	14B-237				
ISSUE DATE	Jun.27,2014				
	□APPROVED  □APPROVED UNDER  THE CONDITIONS:	□REJECTED:			

SuZhou Yihua Communicated Connector Co., Ltd.

Add: No.1558, Linhu East Road, Foho New&Hi-tech industrial Development Zone

Wujiang, Jiangsu, P.R.C.

TEL:+86-512-82078810 FAX:+86-512-82078858

DongGuan Yihua Electronic Co., Ltd.

Add: Yihua Holdings Industrial park, Cuntou district, Hu'men Town,

TEL:+86-769-8624 0111 FAX:+86-769-8624 0238

#### 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

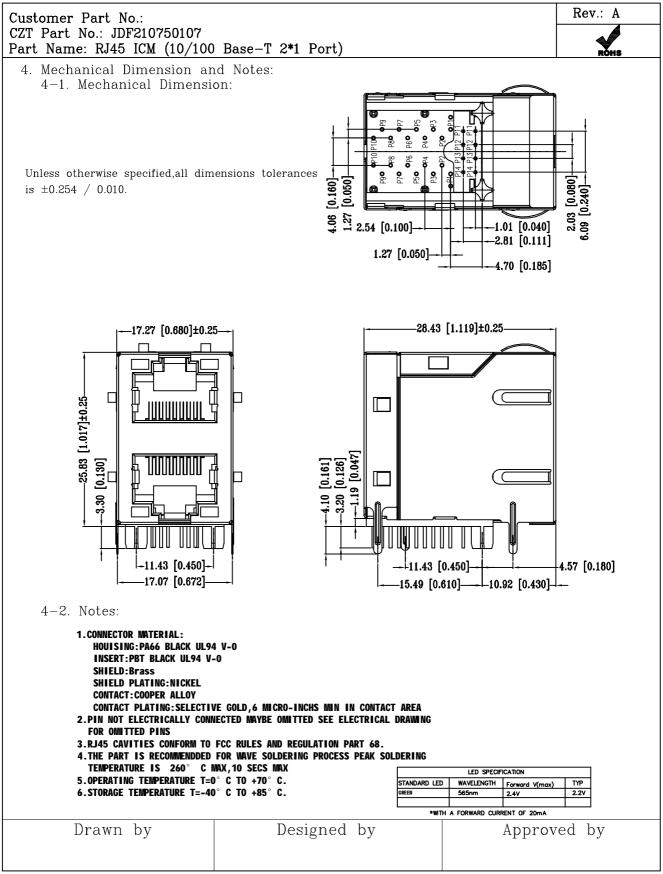
## SPECIFICATION FOR APPROVAL

2. Revision Change Record

Custo	ustomer Part No.:					
CZT F Part :	Part No.: JDF210750107 Name: RJ45 ICM (10/100 Base-T	2*1 Port)				ROHS
Rev	Description	Drawn	Designed	Appr	oved	Issue Date
A	New Release	Sunny shi	,	DaVid	Chen	Jun,27.201

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

### SPECIFICATION FOR APPROVAL



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

## SPECIFICATION FOR APPROVAL

Customer Part No.:

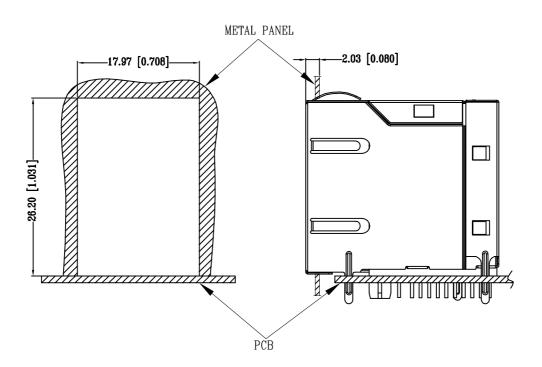
CZT Part No.: JDF210750107

Part Name: RJ45 ICM (10/100 Base-T 2\*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

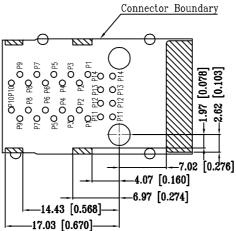
Customer Part No.:

CZT Part No.: JDF210750107

Part Name: RJ45 ICM (10/100 Base-T 2\*1 Port)

Rev.: A

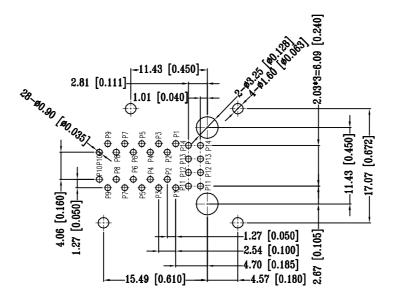
5-2. Keep-Out Area (Component Side View):



UNIT: mm / inch

Tolerances:  $\pm 0.10 / 0.004$ 

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



UNIT: mm / inch

Tolerances:  $\pm 0.10 / 0.004$ 

## 

### SPECIFICATION FOR APPROVAL

Rev.: A Customer Part No.: CZT Part No.: JDF210750107 Part Name: RJ45 ICM (10/100 Base-T 2\*1 Port) 6. Circuit Schematic and Electronical Specifications: 6-1. Circuit Schematic: P1 • ี ปี 1 **J2** 1CT: 1CT ี ข3 ન્ર 1CT: 1CT **75 75 °J4** OHM **CAP 1000pF 2KV** OHM ี 15 ี 17 P4/P5 ⊶ √www.— 75 OHM •18 P11 Pin Green Green P11 P13 P14 ' P12 P14 6-2. Electronical Specifications: 1.0 Turn Ratio @100KHz:  $(P1\sim P2):(J1\sim J2) = 1:1\pm 5\%$  $(P7 \sim P8):(J3 \sim J6) = 1:1\pm5\%$ 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 TYP

30-60MHz -12dB TYP 60-80MHz -10dB TYP

6.0 CROSS TALK: 1-100MHz -30dB TYP

7.0 COMMON TO COMMON MODE ATTENUATION: 1-100MHz -30dB TYP

8.0 Isolation: PHY Side to Line Side: 1500VAC or 2250VDC