CZT

SPECIFICATION FOR APPROVAL

CUSTOMER_					
CUSTOMER'S	REV.				
DESCRIPTION	NRJ45 ICM(100	00Base-T 12Port)			
CZT'S PART N	IO. <u>JDG2610152</u>	222 REV. B			
ISSUE NO					
ISSUE DATE NOV.14,2019					
	□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.

SPECIFICATION FOR APPROVAL

2. Revision Change Record

Custo CZT I	Rev.: B					
Part	Part Name: RJ45 ICM(1000Base-T 12Port)					
Rev	Description	Drawn	Designed	Approv	ed Issue Date	
A	Specification issued	ChenLingjuan	ZhangChao	Topup.Liu	1 SEP.07 2019	
	Change From: To:					
В	7. SHIELD PIN: SOLDER WITH TIN, TIN 2/3 ON PIN	ChenLingjuan	ZhangChao	Topup.Liv	NOV.14 2019	
	7.SHELD FIN. SULDER WITH TIN, IIN 2/3 ON FIN					

SPECIFICATION FOR APPROVAL

Customer Part No.:

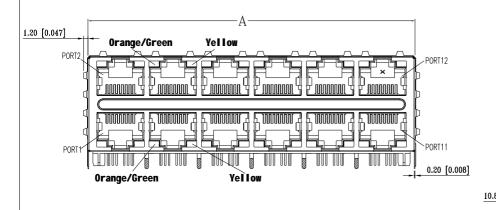
CZT Part No.: JDG261015222

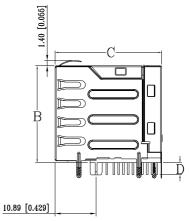
Part Name: RJ45 ICM(1000Base-T 12Port)

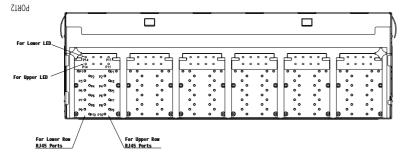


4. Mechanical Dimension and Notes:

4-1. Mechanical Dimension:







UNIT: mm / inch A = 87.12 / 3.430 B = 25.83 / 1.018 C = 28.40 / 1.119 D = 3.20 / 0.126

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

4-2. Notes:

 $1. \ \textbf{CONNECTOR} \ \ \textbf{MATERIAL:}$

HOUSING:THERMOPLASTIC BLACK UL94 V-0

SHIELD: Brass

SHIELD PLATING:NICKEL CONTACT:PHOSPHOR BRONZE

CONTACT PLATING: GOLD, 15 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. OPERATING TEMPERATURE T=-40 $^{\circ}$ C TO +85 $^{\circ}$ C.
- $6.\,\text{STORAGE}$ TEMPERATURE T=-40° C TO +85° C.
- 7. SHIELD PIN: SOLDER WITH TIN, TIN 2/3 ON PIN

LED SPECIFICATION								
STANDARD LED	WAVELENGTH	Forward Current	Forward V(max)	TYP				
GREEN	565nm	20 mA	2.4V	2.2V				
YELLOW	590nm	20 mA	2.5V	2.1٧				
ORANGE	605nm	20 mA	2.5V	2.0V				

Drawn by	Designed by	Approved by
ChenLingjuan	ZhangChao	Topup.Liu

CZT SPECIFICATION FOR APPROVAL

Customer Part No.:

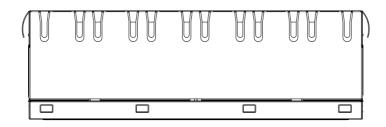
CZT Part No.: JDG261015222

Part Name: RJ45 ICM(1000Base-T 12Port)

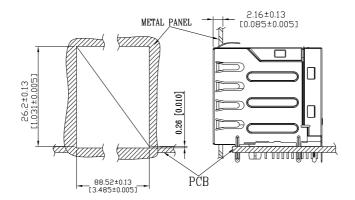


5. Label and Recommended PWB Layout and Suggested Panel Opening: 5-1. Label:

Plug In Side



5-2. Suggested Panel Opening:



UNIT: mm / inch

Tolerances: $\pm 0.10 / 0.004$

REFERENCE ONLY

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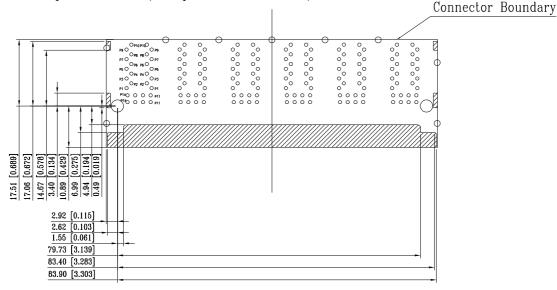
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CZT Part No.: JDG261015222

Part Name: RJ45 ICM(1000Base-T 12Port)

Rev.: B

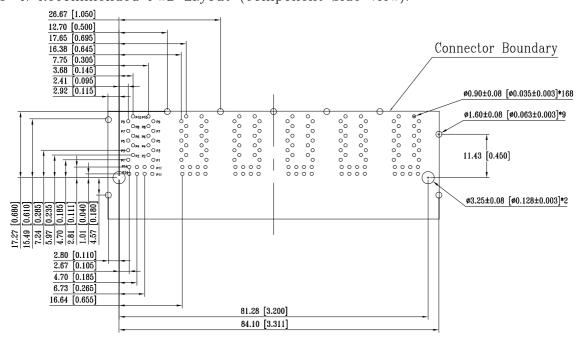
5-3. Keep-Out Area (Component Side View):



UNIT: mm / inch

Plug-in side Tolerances: ± 0.10 / 0.004

5-4. Recommended PWB Layout (Component Side View):



Plug-in side

UNIT: mm / inch

Tolerances: $\pm 0.10 / 0.004$

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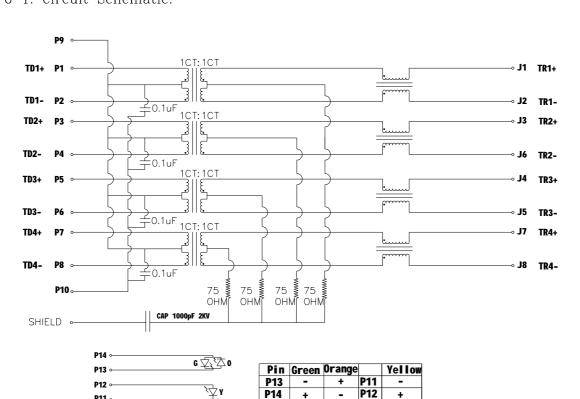
Customer Part No.:

CZT Part No.: JDG261015222

Part Name: RJ45 ICM(1000Base-T 12Port)



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



6-2. Electronical Specifications:

1.0 Turn Ratio @100KHz: $(P1\sim P2):(J1\sim J2) = 1:1\pm 5\%$

 $(P3 \sim P4):(J3 \sim J6) = 1:1\pm5\%$ $(P5 \sim P6):(J4 \sim J5) = 1:1\pm5\%$

 $(P7 \sim P8):(J7 \sim J8) = 1:1 \pm 5\%$

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