

CZT

SPECIFICATION FOR APPROVAL

CUSTOMER _____

CUSTOMER'S PART NO. _____ REV. _____

DESCRIPTION RJ45 ICM (2.5GBase-T 8Port)

CZT'S PART NO. JDG241530101 REV. A

ISSUE NO. _____

ISSUE DATE APR.13,2017

☐ 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.

SPECIFICATION FOR APPROVAL

2. Revision Change Record

Customer Part No.: Part No.: JDG241530101 Part Name: RJ45 ICM(2.5GBase-T 8Port)					Rev.: A
					
Rev	Description	Drawn	Designed	Approved	Issue Date
A	Specification issued	ChenLingjuan	SunWenqun	Topup.Liu	APR.13 2017
PRELIMINARY					

SPECIFICATION FOR APPROVAL

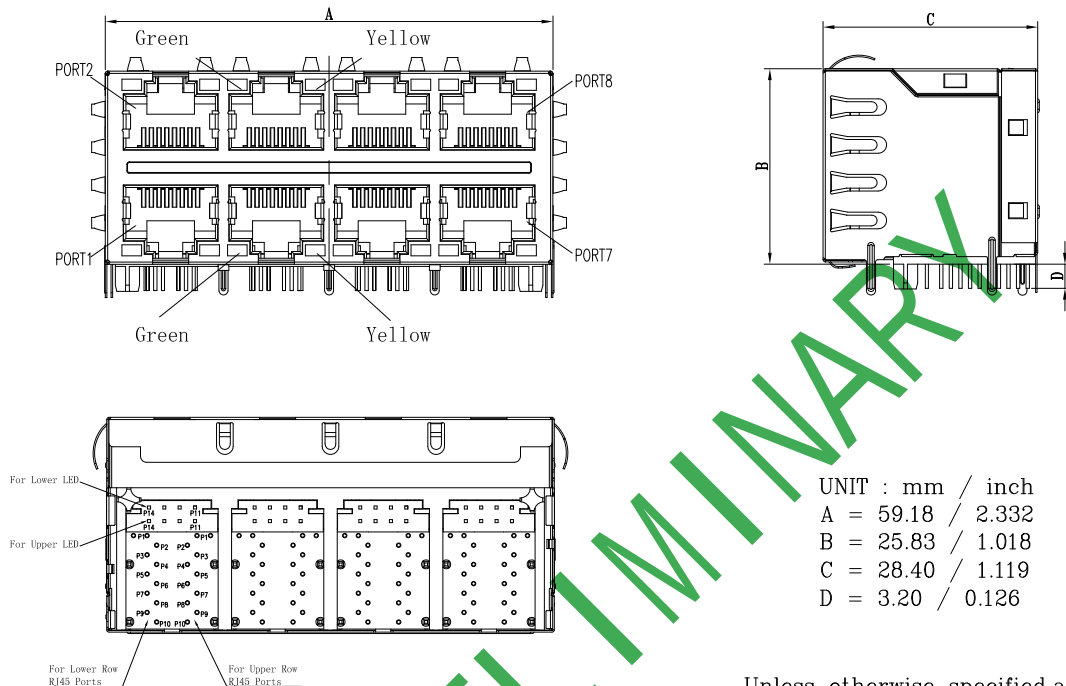
Customer Part No.:
Part No.: JDG241530101
Part Name: RJ45 ICM(2.5GBase-T 8Port)

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:

- CONNECTOR MATERIAL:
HOUSING: THERMOPLASTIC BLACK UL94 V-0
SHIELD: Brass
SHIELD PLATING: NICKEL
CONTACT: PHOSPHOR BRONZE
CONTACT PLATING: GOLD, 6 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 $T = 0^{\circ}\text{C}$ TO $+70^{\circ}\text{C}$.
- STORAGE TEMPERATURE $T = -40^{\circ}\text{C}$ TO $+85^{\circ}\text{C}$.

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	2.1V

Drawn by

ChenLingjuan

Designed by

SunWenqun

Approved by

Topup.Liu

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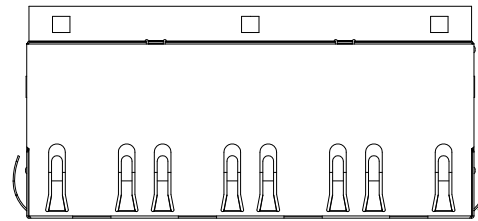
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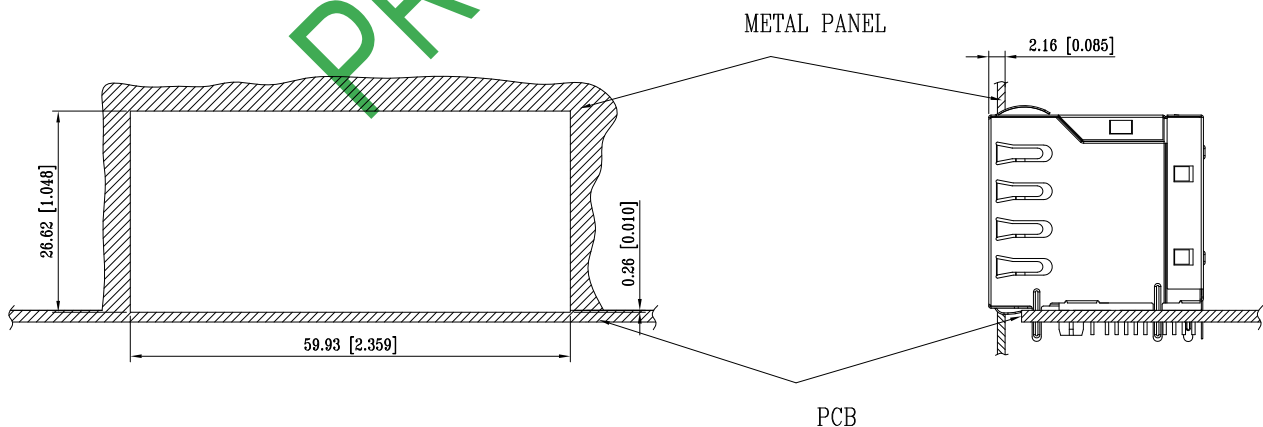
5. Label and Recommended PWB Layout and Suggested Panel Opening:

5-1. Label:



Plug In Side

5-2. Suggested Panel Opening:



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

REFERENCE ONLY

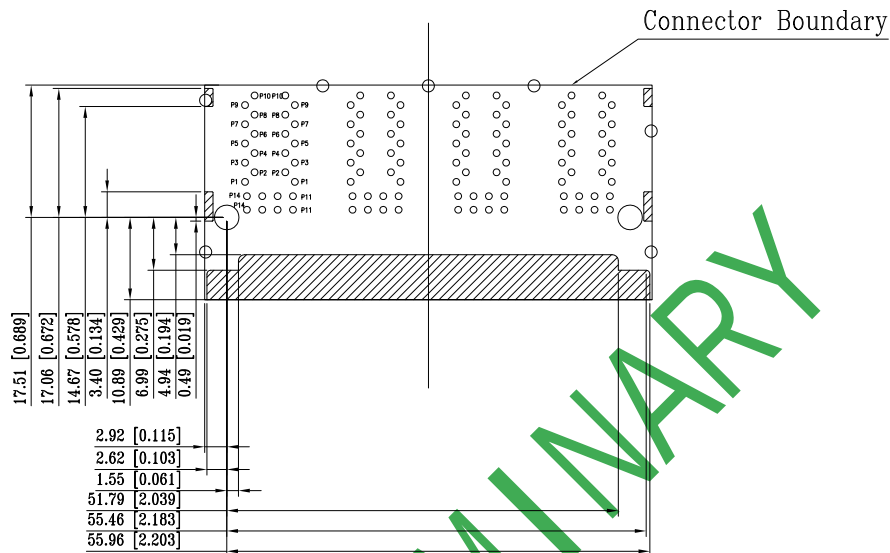
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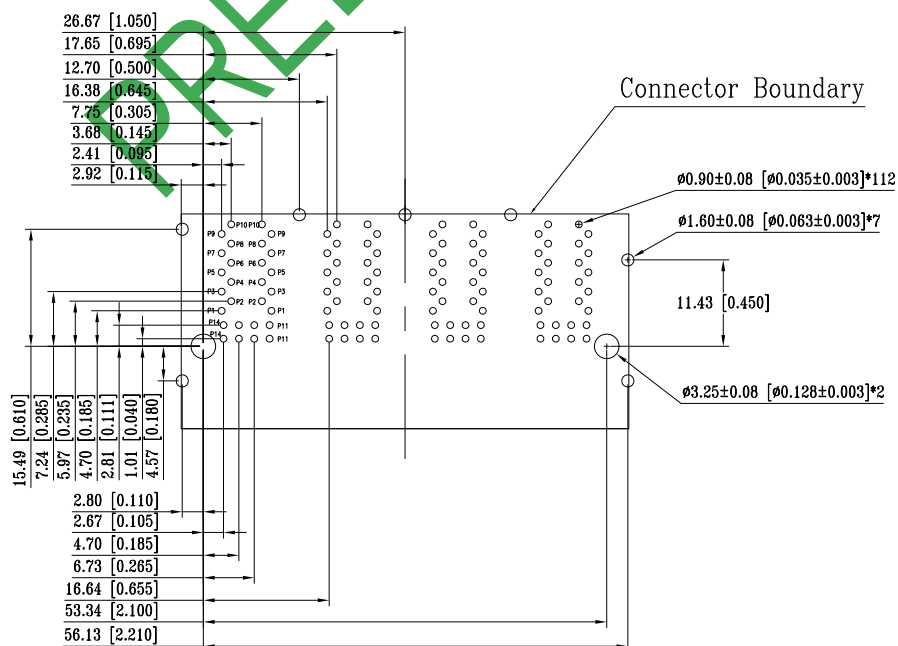
5-3. Keep-Out Area (Component Side View):



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

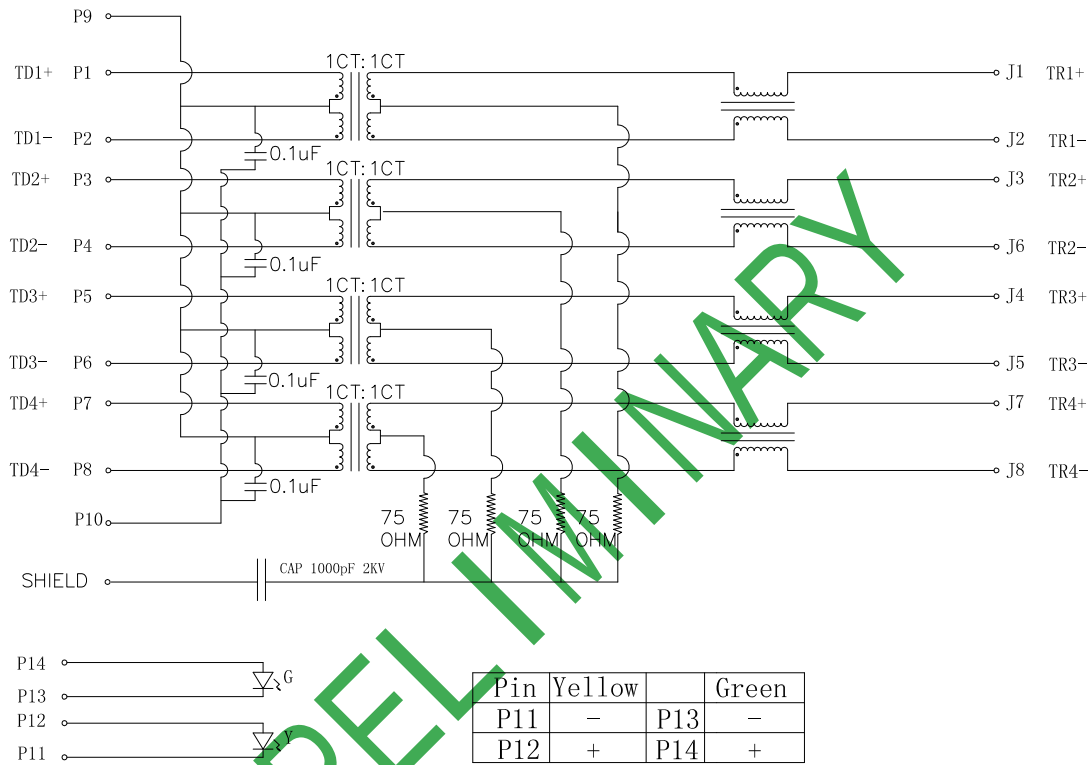
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6. Circuit Schematic and Electronical Specifications:
6-1. Circuit Schematic:



6-2. Electronical Specifications:

PARAMETER	SPECIFICATIONS	
URNS RATIO	1.00 ± 2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	1 MHZ TO 125 MHZ	
	-1.0 dB MAX	
RETURN LOSS LOAD 100 OHMS	1-40 MHz	40-200 MHz
	-20 dB MIN	-20+15LOG ₁₀ (f/40MHz) MIN
INDUCTANCE (OCL) (MEDIA SIDE, 0°C-70°C)	180uH MIN @100KHz,0.1V	
CROSSTALK, ADJACENT CHANNELS	1-125 MHz	
	-30 dB TYP	
COMMON MODE REJECTION RATIO	30-200 MHZ	
	-30 dB MIN	
INPUT - OUTPUT ISOLATION	1500 VRMS MIN AT 60 SECONDS	

NOTE: f IS FREQUENCY IN MHZ.