

CZT

SPECIFICATION FOR APPROVAL

CUSTOMER _____

CUSTOMER'S PART NO. _____ REV. _____

DESCRIPTION RJ45 ICM(10G Base-T 2Port)

CZT'S PART NO. JDT211090048 REV. D1

CZT OLD P/N _____

ISSUE NO. _____

ISSUE DATE NOV.15,2019

☐ APPROVED ☐ APPROVED UNDER THE CONDITIONS:	☐ REJECTED:
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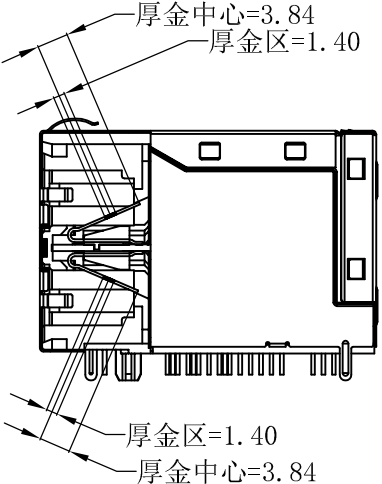
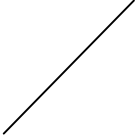
Note:

- 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.**

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2. Revision Change Record

Customer Part No.: CZT Part No.: JDT211090048 Part Name: RJ45 ICM(10G Base-T 2Port)					Rev.: D1
					
Rev	Description	Drawn	Designed	Approved	Issue Date
A	Specification issued	YaoYuling	HuXiang	DavidChen	Apr.17 2018
B	Updated Product 3D desgin	YaoYuling	HuXiang	DavidChen	Apr.27 2018
C	Updated Product LED desgin	YaoYuling	HuXiang	DavidChen	Jul.16 2018
D	Updated Product desgin	YaoYuling	HuXiang	DavidChen	Mar.26 2019
D1	ADD: 5-3. RJ Terminal Gold-Plated Area Graphic: 		Betty Wang	HuXiang	NOV.15 2019

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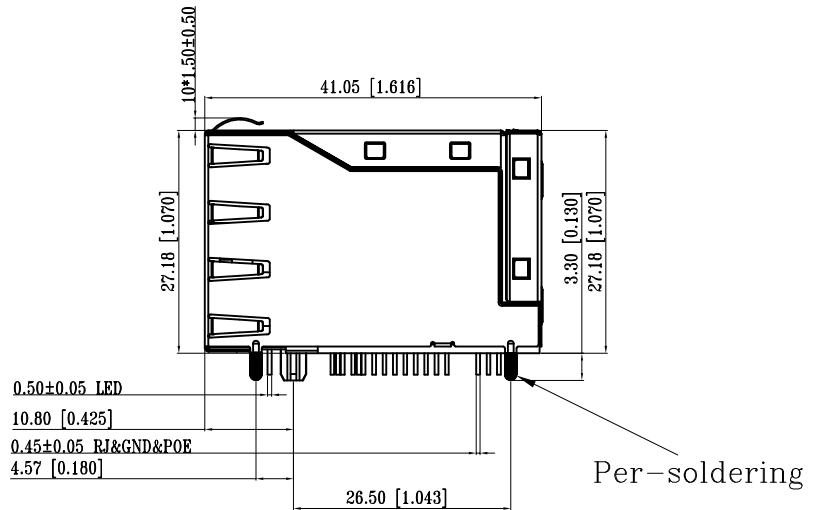
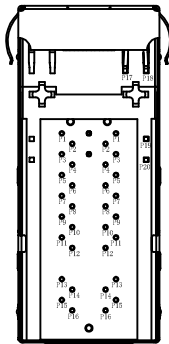
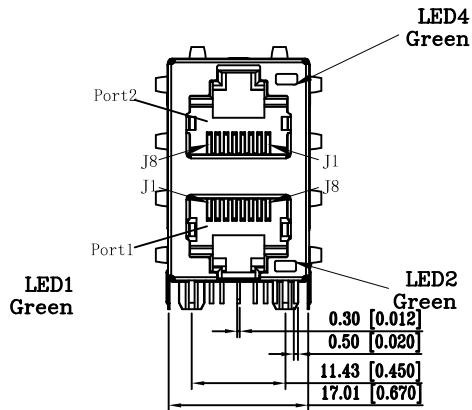
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4. Mechanical Dimension and Notes:

4-1. Mechanical Dimension:



Unless otherwise specified, all dimensions tolerances is $\pm 0.254 / 0.010$.

4-2. Notes:

- CONNECTOR MATERIAL:
HOUSING: PA66 BLACK UL94 V-0
SHIELD: Brass
SHIELD PLATING: NICKEL
CONTACT: PHOSPHOR BRONZE
CONTACT PLATING: SELECTIVE GOLD, 30 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° C TO +70° C.
- STORAGE TEMPERATURE T = -40° C TO +85° C.

LED SPECIFICATION				
STANDARD LED	WAVELENGTH	Forward Current	Forward V(max)	TYP
GREEN	565nm	20 mA	2.4V	2.2V

Drawn by

Designed by

Betty Wang

Approved by

HuXiang

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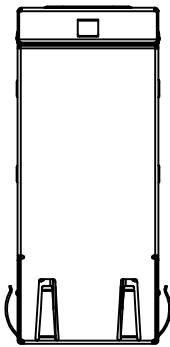
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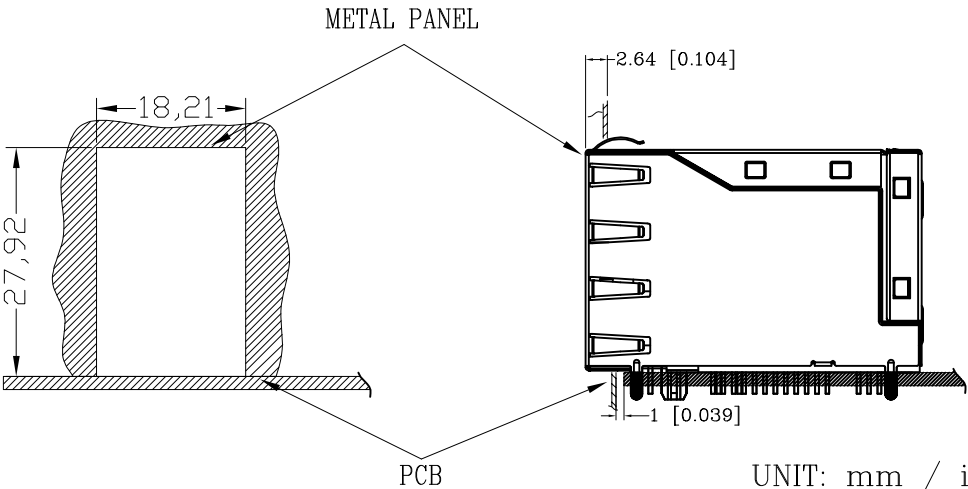


5. Label and Recommended PWB Layout and Suggested Panel Opening:
5-1. Label:



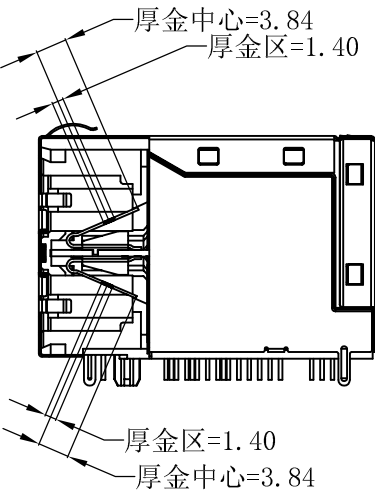
Plug In Side

5-2. Suggested Panel Opening:



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

5-3. RJ Terminal Gold-Plated Area Graphic:



REFERENCE ONLY

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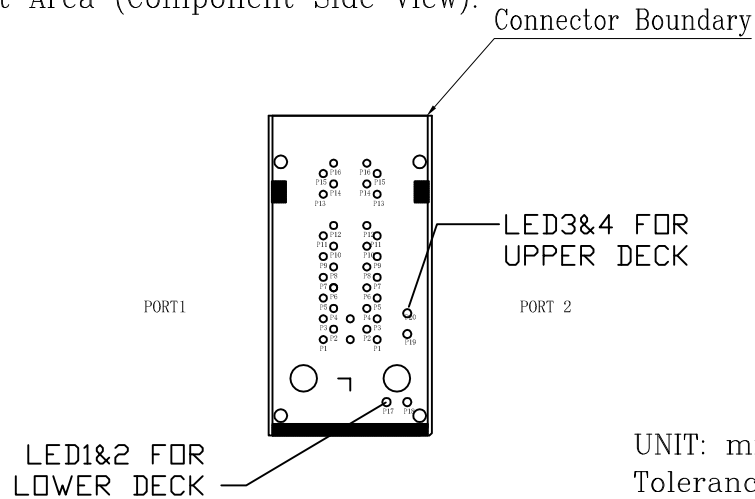
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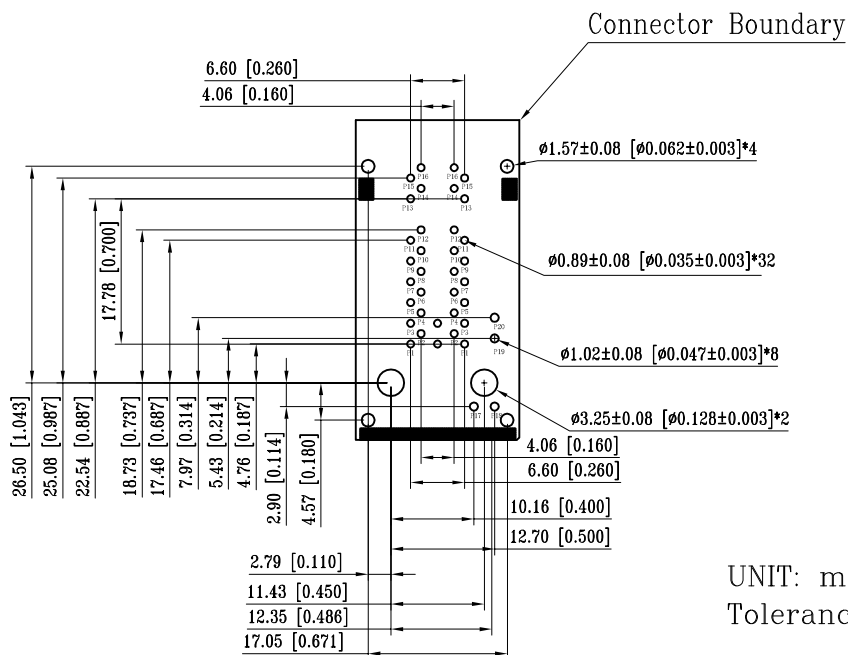


5-4. Keep-Out Area (Component Side View):



Plug In Side

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



Plug In Side

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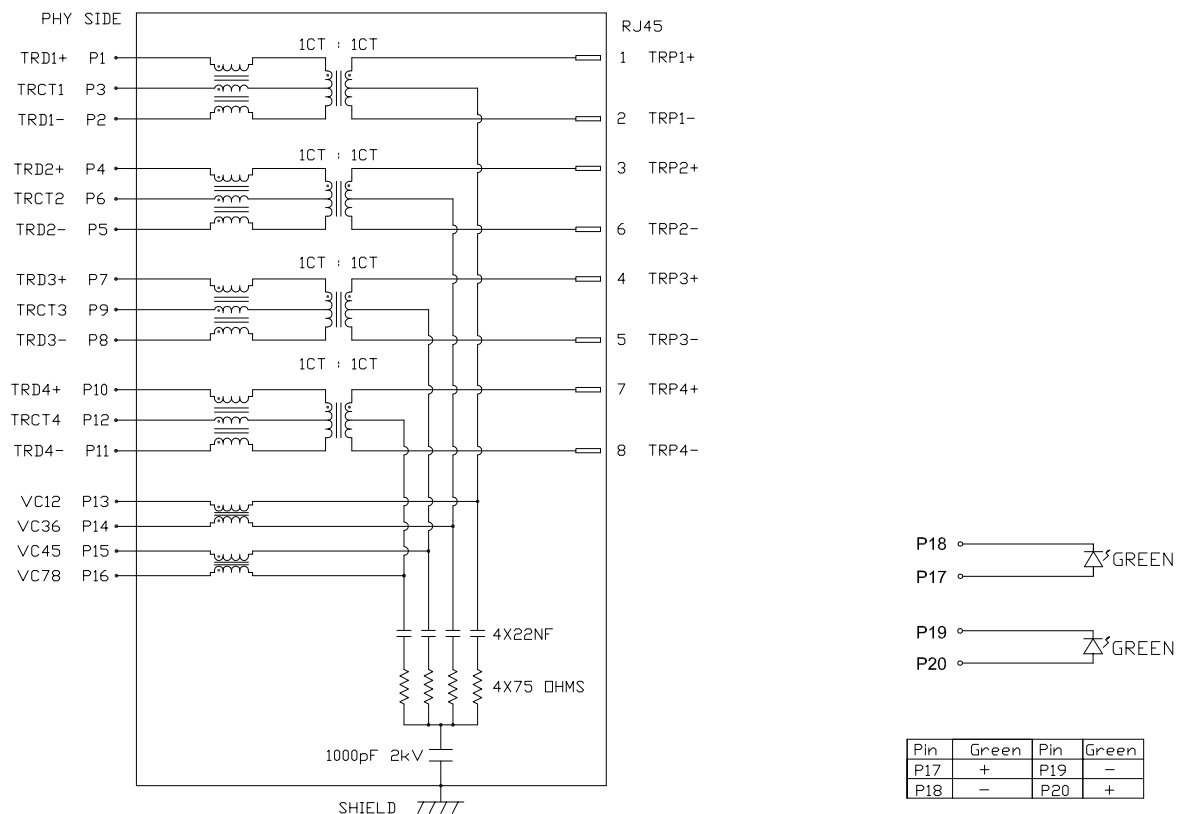
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6. Circuit Schematic and Electrical Specifications:

6-1. Circuit Schematic:



6-2 ELECTRICAL CHARACTERISTICS @ 25°C

(FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.)

PARAMETER	SPECIFICATIONS		
URNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS	100 KHz	1-400 MHz	
	-3.0 dB MAX	-2.0 dB MAX (-1.4dB TYP)	
RETURN LOSS (Z OUT=100 OHM ±1%)	1-100 MHz	100 MHz-500 MHz	
	-22 dB MIN	-22 + 20.75*LOG(f/100)	
INDUCTANCE (OCL)	160uH Min.@100KHz		
CROSSTALK, ADJACENT CHANNELS	1-100 MHz	100-500 MHz	
	-28 dB MIN	-19 dB MIN	
COMMON MODE REJECTION RATIO	1-40 MHz	40-100 MHz	100-500 MHz
	-30 dB MIN	-28 dB MIN	-26 dB MIN
COMMON TO DIFFERENTIAL MODE REJECTION (CDMR)	1-250 MHz	250-500 MHz	
	-30 dB MIN	-22 dB MIN	
CURRENT CARRYING CAPABILITY,RJ45 PIN 1-8	1.2A MAX. @57VDC CONTINUDUS		
INPUT – OUTPUT ISOLATION	2250 VDC MIN @ 60 SECONDS		