

CZT

SPECIFICATION FOR APPROVAL

CUSTOMER _____

CUSTOMER'S PART NO. _____ REV. _____

DESCRIPTION RJ45 ICM (10GBase-T 4Port)

CZT'S PART NO. JDTU44480032 REV. A

ISSUE NO. _____

ISSUE DATE MAY.23,2018

☐ APPROVED	☐ REJECTED:
☐ APPROVED UNDER THE CONDITIONS:	

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 Yizhao Electronic Co., Ltd.

Add: Yihua Holdings Industrial park, Cuntou district, Hu'men Town,
Dongguan,Guangdong,P.R.C.

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

Customer Part No.: CZT Part No.: JDTU44480032 Part Name: RJ45 ICM(10G Base-T 4Port)					Rev.: A
					
Rev	Description	Drawn	Designed	Approved	Issue Date
A	Specification issued	ChenLingjuan	SunWenqun	Topup.Liu	MAY.12 2018
PRELIMINARY					

CZT

SPECIFICATION FOR APPROVAL

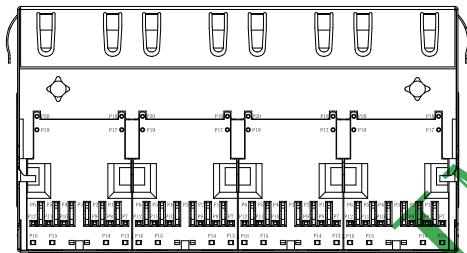
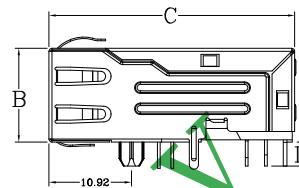
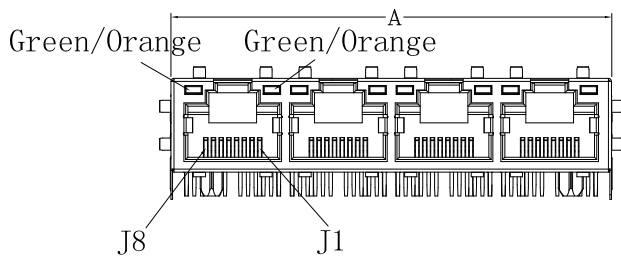
Customer Part No.:
CZT Part No.: JDTU44480032
Part Name: RJ45 ICM(10G Base-T 4Port)

Rev.: A



4. Mechanical Dimension and Notes:

4-1. Mechanical Dimension:



UNIT : mm / inch
A = 58.24 / 2.293
B = 12.40 / 0.488
C = 32.76 / 1.290
D = 3.17 / 0.125

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: 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 $T = 0^{\circ}\text{C}$ 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
ORANGE	605nm	20 mA	2.5V	2.0V

Drawn by
ChenLingjuan

Designed by
SunWenqun

Approved by
Topup.Liu

CZT

SPECIFICATION FOR APPROVAL

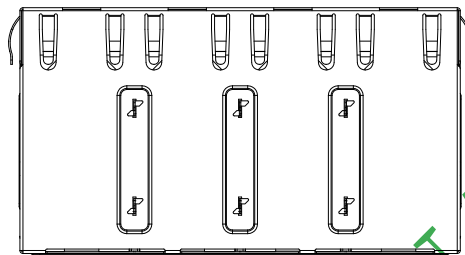
Customer Part No.:
CZT Part No.: JDTU44480032
Part Name: RJ45 ICM(10G Base-T 4Port)

Rev.: A

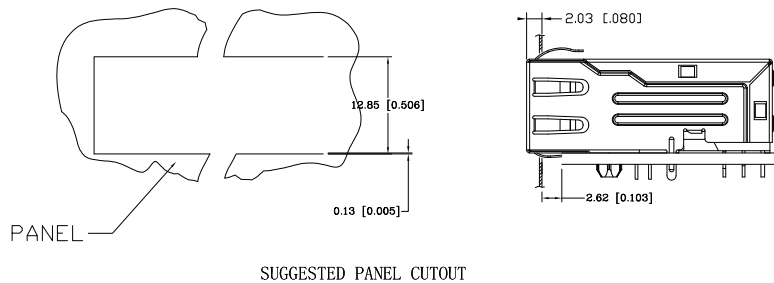


5. Label and Recommended PWB Layout and Suggested Panel Opening:
5-1. Label:

Plug In Side



- 5-2. Suggested Panel Opening:



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

REFERENCE ONLY

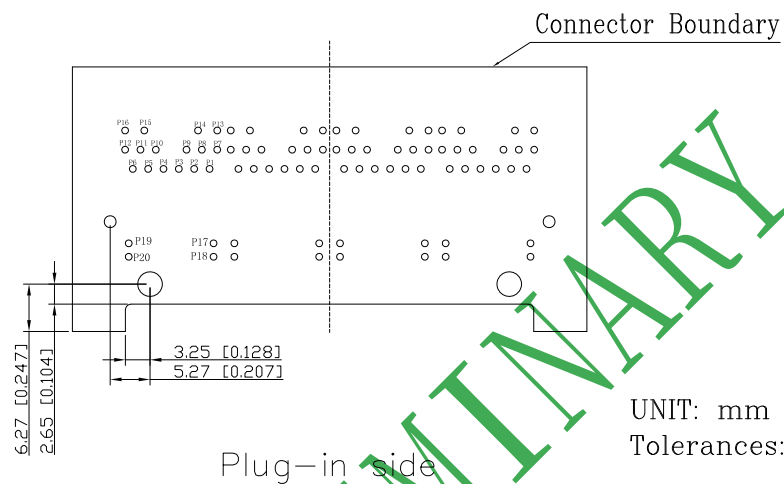
SPECIFICATION FOR APPROVAL

Customer Part No.:
CZT Part No.: JDTU44480032
Part Name: RJ45 ICM(10G Base-T 4Port)

Rev.: A

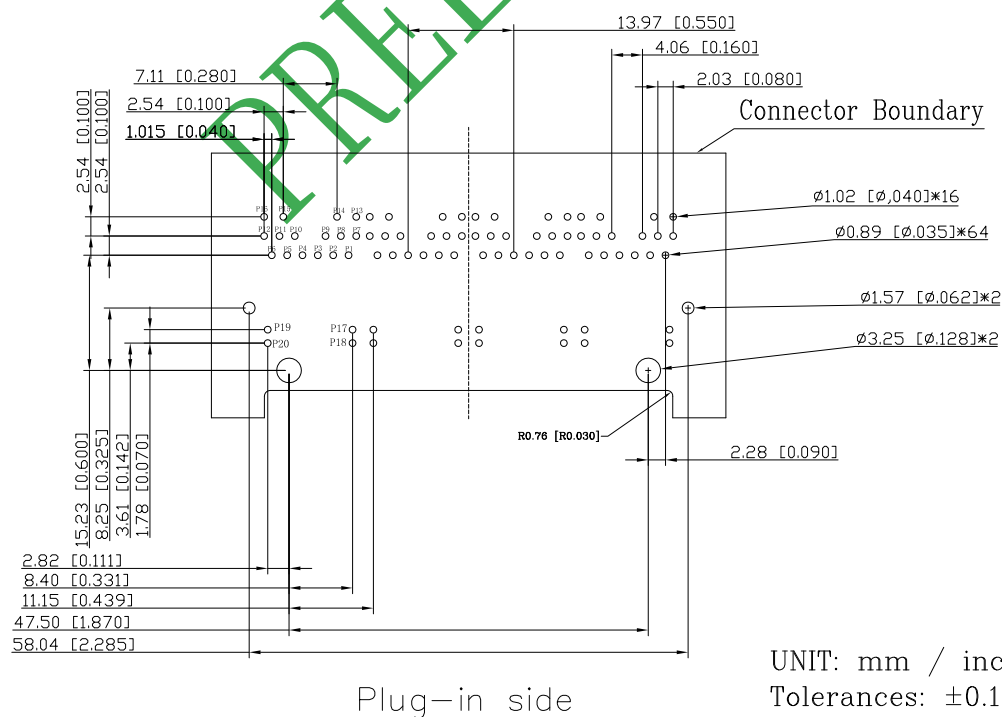


5-3. Keep-Out Area (Component Side View):



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

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



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

CZT

SPECIFICATION FOR APPROVAL

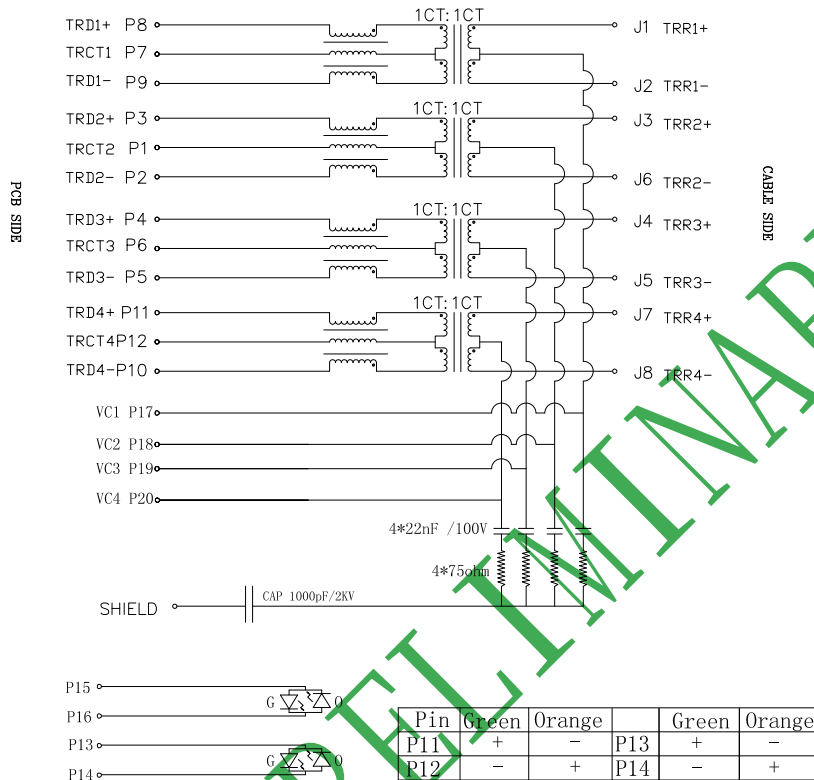
Customer Part No.:
CZT Part No.: JDTU44480032
Part Name: RJ45 ICM(10G Base-T 4Port)

Rev.: A



6. Circuit Schematic and Electronical Specifications:

6-1. Circuit Schematic:



6-2. Electronical Specifications:

PARAMETER	SPECIFICATIONS		
Turns 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)	120uH MIN @100KHZ,0.1V WITH 19mA DC BIAS 180uH MIN @100KHZ,0.1V WITH 8mA DC BIAS		
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	900mA MAX. @57VDC CONTINUOUS		
Input – Output Isolation	2250 VDC MIN @ 60 SECONDS		

NOTE: f IS FREQUENCY IN MHZ.