

CZT

SPECIFICATION FOR APPROVAL

CUSTOMER _____

CUSTOMER'S PART NO. _____ REV. _____

DESCRIPTION RJ45 ICM (10GBase-T 1Port)

CZT'S PART NO. JDTD10030071 REV. B

ISSUE NO. _____

ISSUE DATE JAN.19,2018

☐ 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

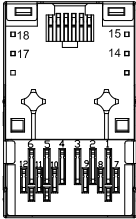
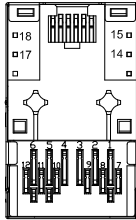
Note:

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.: JDTD10030071 Part Name: RJ45 ICM(10GBase-T 1Port)					Rev.: B
					
Rev	Description	Drawn	Designed	Approved	Issue Date
A	Specification issued	ChenLingjuan	SunWenqun	Topup.Liu	SEP.05 2016
B	Change From: 4-1. Mechanical Dimension:  To: 4-1. Mechanical Dimension: 	ChenLingjuan	SunWenqun	Topup.Liu	FEB.24 2017
PRELIMINARY					

CZT

SPECIFICATION FOR APPROVAL

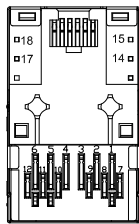
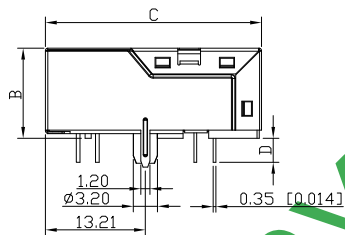
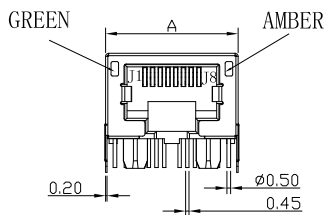
Customer Part No.:
CZT Part No.: JDTD10030071
Part Name: RJ45 ICM(10GBase-T 1Port)

Rev.: B



4. Mechanical Dimension and Notes:

4-1. Mechanical Dimension:



UNIT : mm / inch

A = 17.53 / 0.690

B = 11.93 / 0.445

C = 28.57 / 1.125

D = 3.18 / 0.125

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

4-2. Notes:

- CONNECTOR MATERIAL:
HOUSING: LCP BLACK UL94 V-0
SHIELD: Brass
SHIELD PLATING: NICKEL
CONTACT: PHOSPHOR BRONZE
CONTACT PLATING: SELECTIVE GOLD, 50 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 $T = -40^{\circ}\text{C}$ TO $+85^{\circ}\text{C}$.
- STORAGE TEMPERATURE $T = -40^{\circ}\text{C}$ TO $+85^{\circ}\text{C}$.

LED SPECIFICATION				
STANDARD LED	WAVELENGTH	Forward Current	Forward V(max)	TPP
GREEN	565nm	20 mA	2.4V	2.2V
AMBER	605nm	20 mA	2.5V	2.0V

Drawn by
ChenLingjuan

Designed by
SunWenqun

Approved by
Topup.Liu

CZT

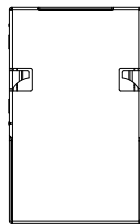
SPECIFICATION FOR APPROVAL

Customer Part No.:
CZT Part No.: JDTD10030071
Part Name: RJ45 ICM(10GBase-T 1Port)

Rev.: B

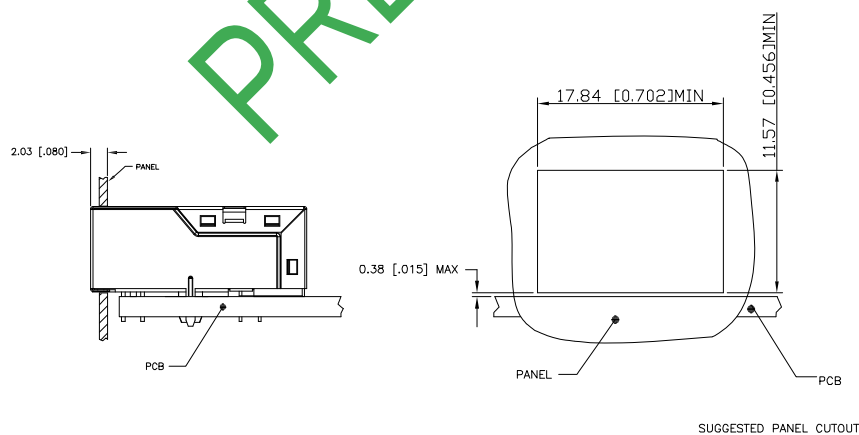


5. Label and Recommended PWB Layout and Suggested Panel Opening:
5-1. Label:



Plug In Side

- 5-2. Suggested Panel Opening:



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

REFERENCE ONLY

CZT

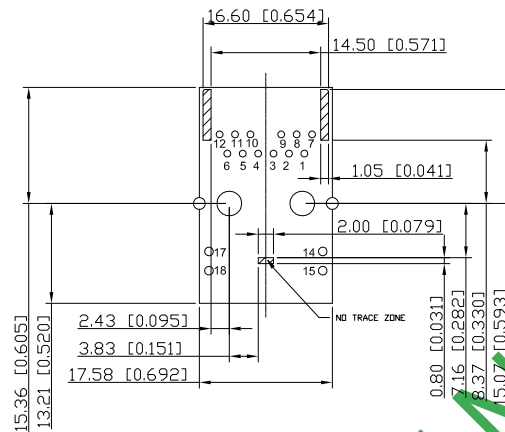
SPECIFICATION FOR APPROVAL

Customer Part No.:
CZT Part No.: JDTD10030071
Part Name: RJ45 ICM(10GBase-T 1Port)

Rev.: B



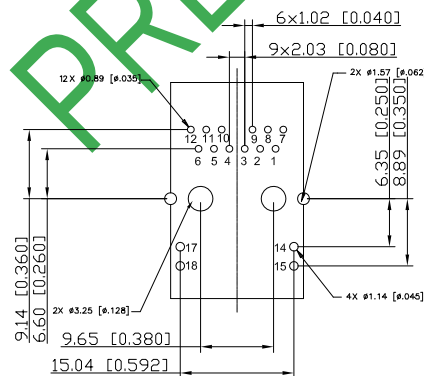
5-3. Keep-Out Area (Component Side View):



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

CZT

SPECIFICATION FOR APPROVAL

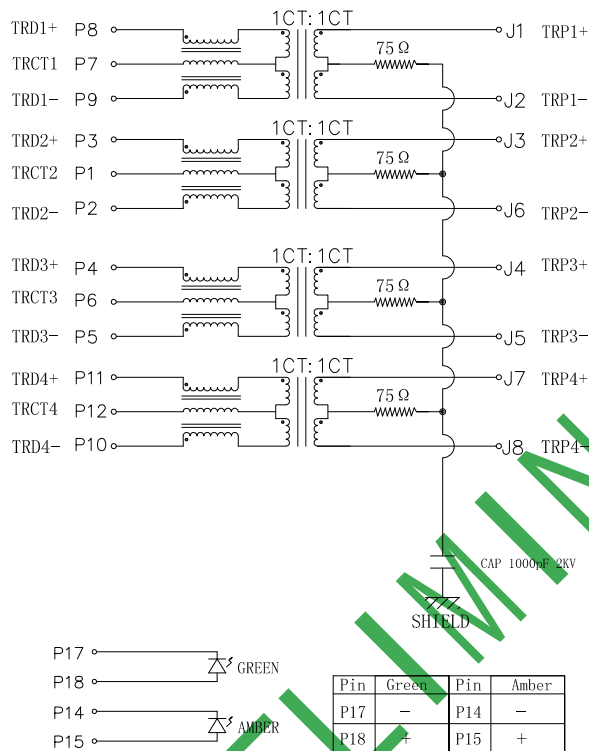
Customer Part No.:
CZT Part No.: JDTD10030071
Part Name: RJ45 ICM(10GBase-T 1Port)

Rev.: B



6. Circuit Schematic and Electronical Specifications:

6-1. Circuit Schematic:



6-2 ELECTRICAL SPECIFICATIONS @ 25°C:

PARAMETER	SPECIFICATIONS		
URNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS (DATA CHANNELS)	100 KHz		1-400 MHz
	-3.0 dB MAX		-2.0 dB MAX (-1.4dB TYP)
RETURN LOSS (Z OUT=100 OHM ±1%)	1-40 MHz	40 MHz-400 MHz	400 MHz-500 MHz
	-16 dB MIN	-16+10LOG<f/40>dB	-6+30LOG<f/400>dB
INDUCTANCE (OCL)	160 uH MIN @ 100 KHz, 100 mV		
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
HIPOT-OUTPUT ISOLATION	2250 VDC MIN @ 60 SECONDS		

NOTE: f IS FREQUENCY IN MHZ.