

CZT

SPECIFICATION FOR APPROVAL

CUSTOMER _____

CUSTOMER'S PART NO. _____ REV. _____

DESCRIPTION RJ45 ICM(1000Base-T 12Port)

CZT'S PART NO. JDD260850200 REV. D

ISSUE NO. _____

ISSUE DATE JUN.17,2020

☐ 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


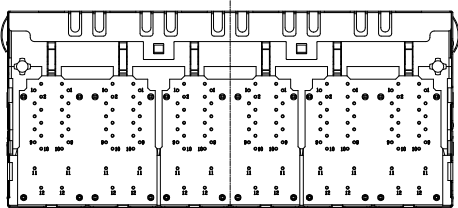
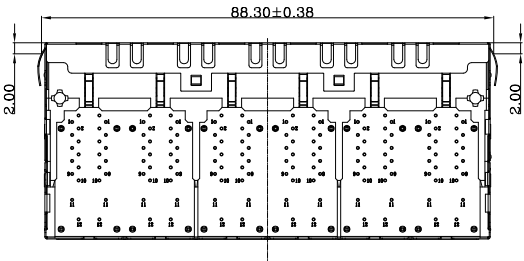
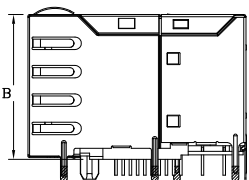
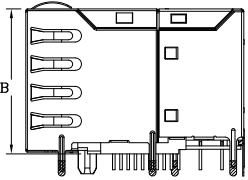
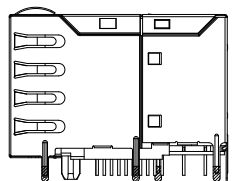
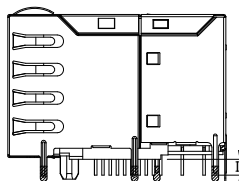
Note:

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.

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2. Revision Change Record

Customer Part No.: CZT Part No.: JDD260850200 Part Name: RJ45 ICM(1000Base-T 12Port)					Rev.: D
					
Rev	Description	Drawn	Designed	Approved	Issue Date
A	Specification issued	ChenLingjuan	SunWenqun	Topup.Liu	AUG.30 2016
B	Change From:  To: 	ChenLingjuan	SunWenqun	Topup.Liu	JUN.19 2018
C	Change From:  To:  $B = 25.53 / 1.005$ $B = 25.30 / 0.996$	ChenLingjuan	SunWenqun	Topup.Liu	JUN.19 2018
D	Change From:  To:  $D = 3.05 / 0.120$ $D = 2.80 / 0.110$	ChenLingjuan	SunWenqun	Topup.Liu	JUN.17 2020

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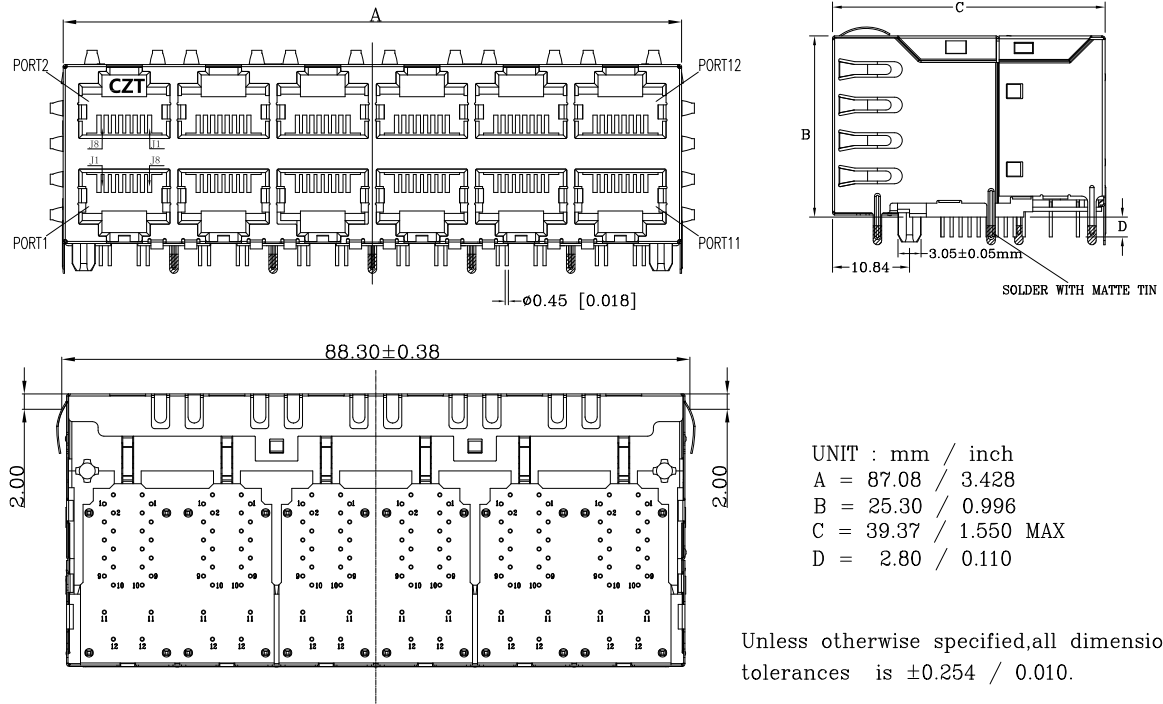
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Rev.: D



4. Mechanical Dimension and Notes:

4-1. Mechanical Dimension:



4-2. Notes:

1. 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
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=0° C TO +70° C.
6. STORAGE TEMPERATURE T=-40° C TO +85° C.

Drawn by
ChenLingjuan

Designed by
SunWenqun

Approved by
Topup.Liu

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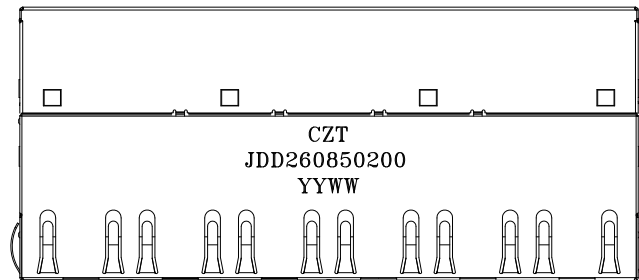
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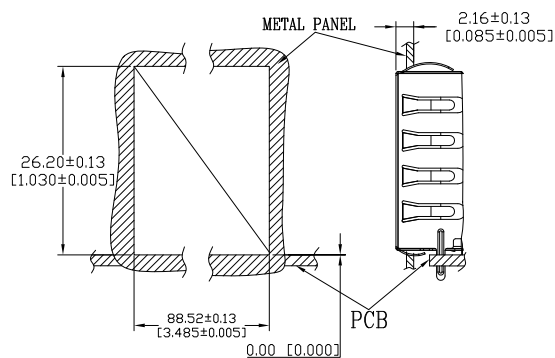


5. Label and Recommended PWB Layout and Suggested Panel Opening:
5-1. Label:



Plug In Side

- 5-2. Suggested Panel Opening:



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

REFERENCE ONLY

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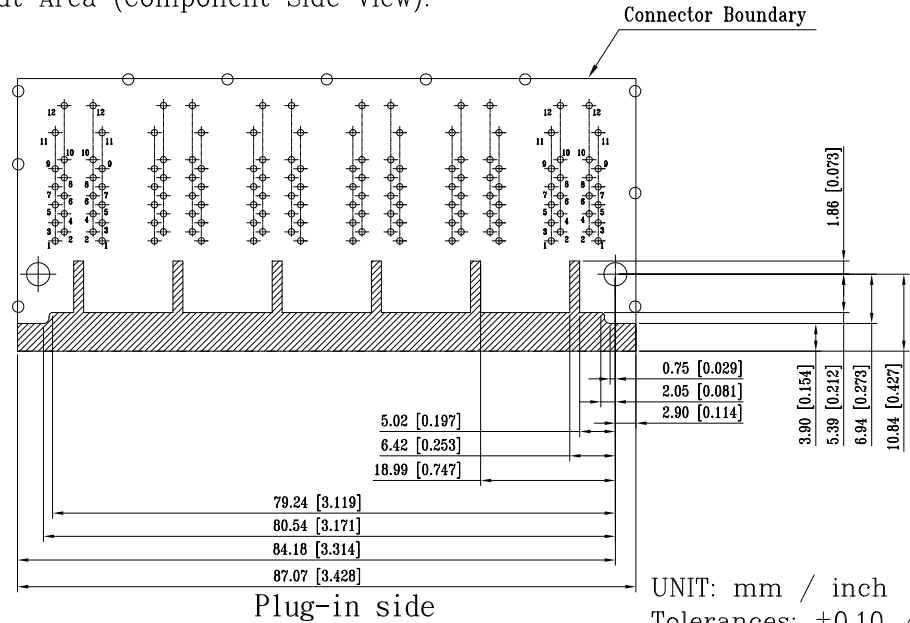
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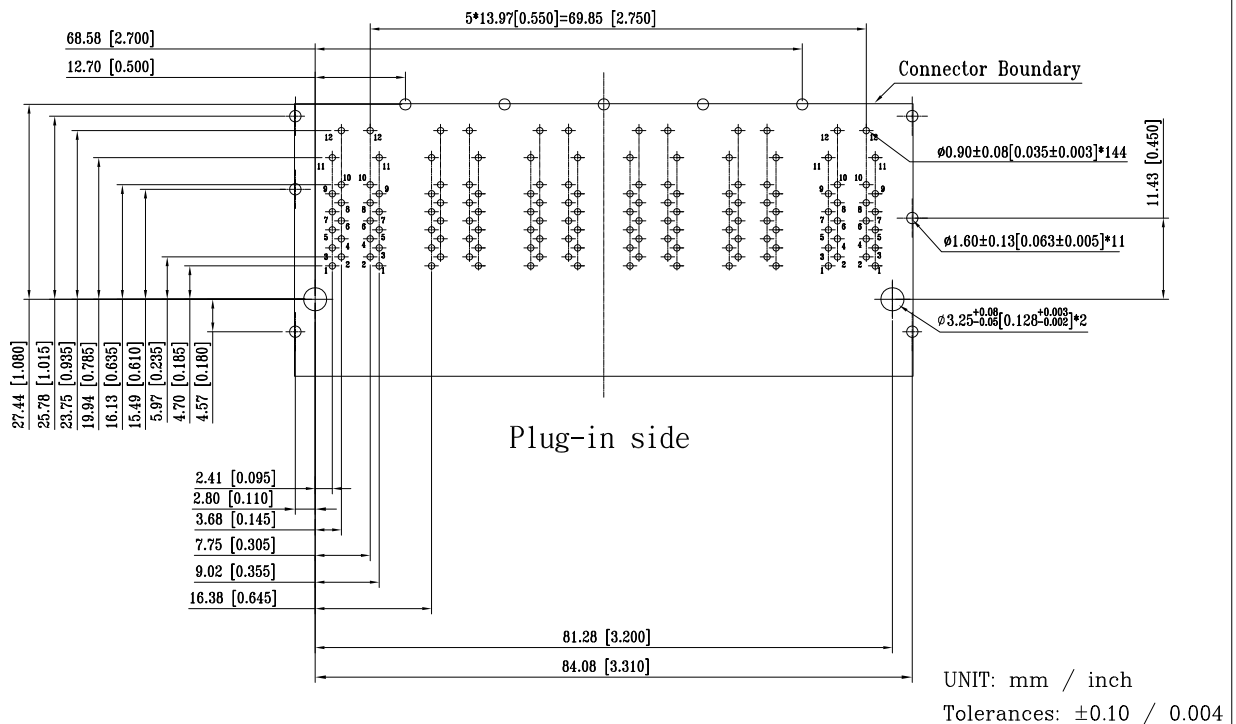
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5-3. Keep-Out Area (Component Side View):



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



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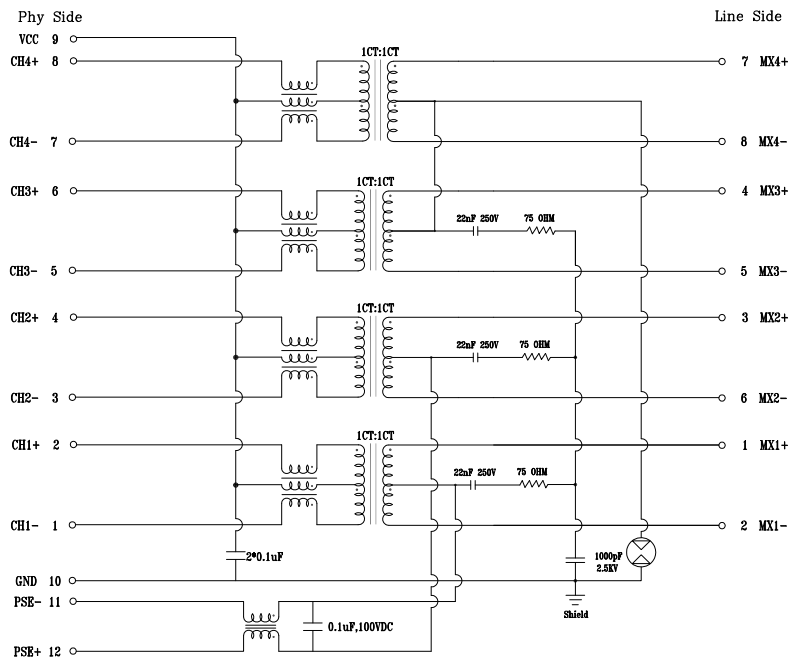
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6. Circuit Schematic and Electrical Specifications:

6-1. Circuit Schematic:



6-2. Electrical Specifications:

- 1.0 Turn Ratio @100KHz: $(P8 \sim P7):(J7 \sim J8) = 1:1 \pm 5\%$
 $(P6 \sim P5):(J4 \sim J5) = 1:1 \pm 5\%$
 $(P4 \sim P3):(J3 \sim J6) = 1:1 \pm 5\%$
 $(P2 \sim P1):(J1 \sim J2) = 1:1 \pm 5\%$
- 2.0 Primary Inductance: 350uH MIN @100KHZ, 0.1V 8mA DC BIAS
350uH MIN @100KHZ, 0.1V 18mA 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: 275VDC
- 9.0 DC CURRENT/VOLTAGE RATING-PSE PINS: 600mA @54V(CONTINUOUS)