

CZT

SPECIFICATION FOR APPROVAL

CUSTOMER _____

CUSTOMER'S PART NO. _____ REV. _____

DESCRIPTION RJ45 ICM (10/100 Base-T 1 Port)

CZT'S PART NO. JDFD1017B200 REV. A

CZT OLD P/N _____

ISSUE NO. 12B-174

ISSUE DATE Aug.13,2012

<input type="checkbox"/> APPROVED	<input type="checkbox"/> REJECTED:
<input type="checkbox"/> 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 Yihua Electronic Co., Ltd.

Add: Yihua Holdings Industrial park, Cuntou district, Hu'men Town,

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

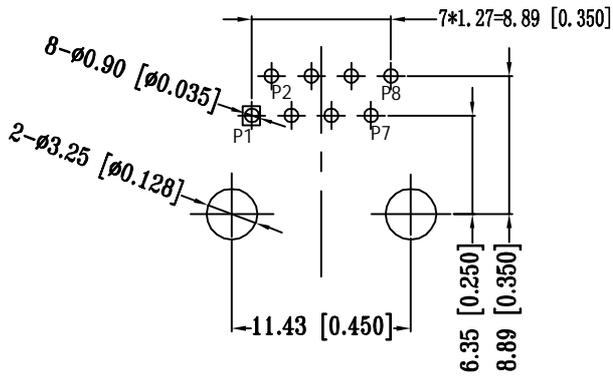
SPECIFICATION FOR APPROVAL

Customer Part No.:
CZT Part No.: JDFD1017B200
Part Name: RJ45 ICM (10/100 Base-T 1 Port)

Rev.: A



5-3. Recommended PWB Layout (Component Side View):



UNIT: mm / inch
Tolerances: ±0.10 / 0.004

CZT

SPECIFICATION FOR APPROVAL

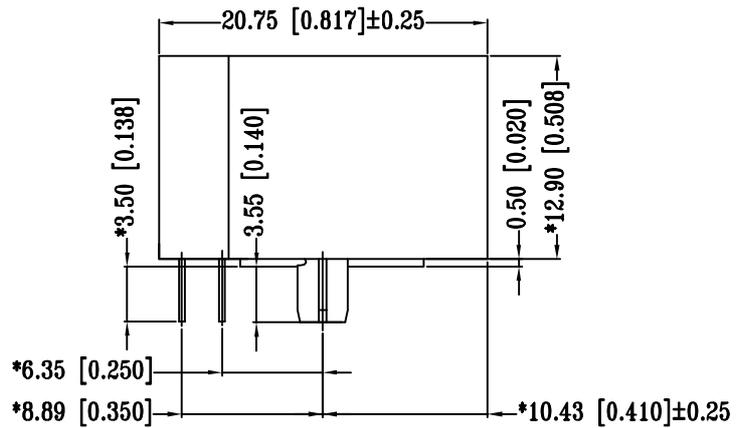
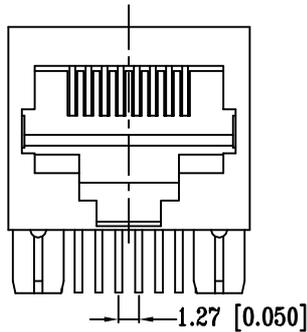
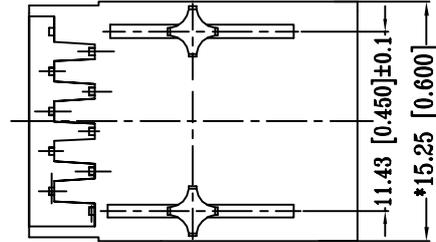
Customer Part No.:
 CZT Part No.: JDFD1017B200
 Part Name: RJ45 ICM (10/100 Base-T 1 Port)

Rev.: A



4. Mechanical Dimension and Notes:
 4-1. Mechanical Dimension:

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



4-2. Notes:

1. CONNECTOR MATERIAL:
 HOUSING: THERMOPLASTIC UL94 V-0
 SHIELD: Brass
 SHIELD PLATING: NICKEL
 CONTACT: COOPER ALLOY
 CONTACT PLATING: SELECTIVE GOLD, 15 MICRO-INCHS 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.
7. ALL CRITICAL DIMENSIONS WITH "***"

Drawn by

Designed by

Approved by

CZT

SPECIFICATION FOR APPROVAL

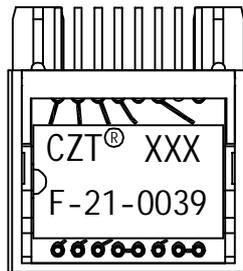
Customer Part No.:
CZT Part No.: JDFD1017B200
Part Name: RJ45 ICM (10/100 Base-T 1 Port)

Rev.: A



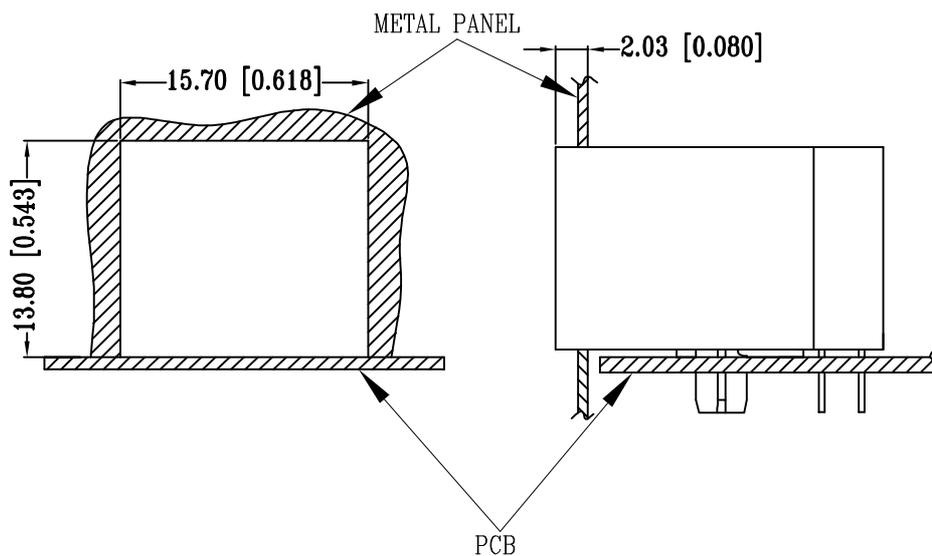
5. Label and Recommended PWB Layout and Suggested Panel Opening:

5-1. Label:



Plug In Side

5-2. Suggested Panel Opening:



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

REFERENCE ONLY

CZT

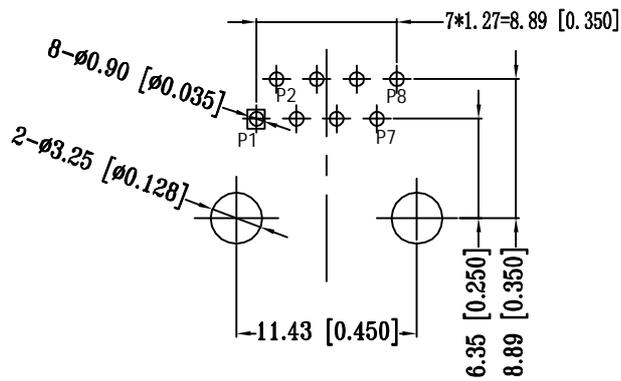
SPECIFICATION FOR APPROVAL

Customer Part No.:
CZT Part No.: JDFD1017B200
Part Name: RJ45 ICM (10/100 Base-T 1 Port)

Rev.: A



5-3. Recommended PWB Layout (Component Side View):



UNIT: mm / inch
Tolerances: ± 0.10 / 0.004

CZT

SPECIFICATION FOR APPROVAL

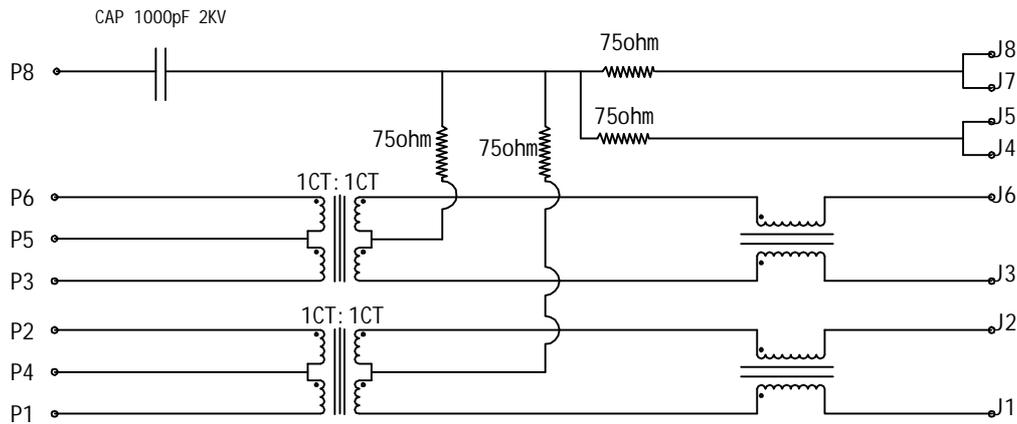
Customer Part No.:
 CZT Part No.: JDFD1017B200
 Part Name: RJ45 ICM (10/100 Base-T 1 Port)

Rev.: A



6. Circuit Schematic and Electrical Specifications:

6-1. Circuit Schematic:



6-2. Electrical Specifications:

- 1.0 Turn Ratio @100KHz: (P1~P2):(J1~J2) = 1:1±5%
 (P3~P6):(J3~J6) = 1:1±5%
- 2.0 Primary Inductance: 350uH MIN @100KHZ,0.1V 8mA DC BIAS
- 3.0 DC Resistance:(J1~J2):(J3~J6) 1.2 OHMS MAX
- 4.0 Insertion Loss: 1-100MHz -1.2dB MAX
- 5.0 Return Loss: 1-30MHz -16dB MIN
 30-60MHz -12dB MIN
 60-80MHz -10dB 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: 1500VAC or 2250VDC