

# CZT

## SPECIFICATION FOR APPROVAL

CUSTOMER \_\_\_\_\_

CUSTOMER'S PART NO. \_\_\_\_\_ REV. \_\_\_\_\_

DESCRIPTION RJ45 ICM (5G Base-T 1Port)

CZT'S PART NO. JDTU16020000 REV. A

ISSUE NO. \_\_\_\_\_

ISSUE DATE NOV.03,2016

☐ APPROVED

☐ REJECTED:

☐ APPROVED UNDER  
THE CONDITIONS:

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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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## SPECIFICATION FOR APPROVAL

### 2. Revision Change Record

| Customer Part No.:<br>CZT Part No.: JDTU16020000<br>Part Name: RJ45 ICM(5G Base-T 1Port) |                      |              |           |            | Rev.: A                                                                             |
|------------------------------------------------------------------------------------------|----------------------|--------------|-----------|------------|-------------------------------------------------------------------------------------|
|                                                                                          |                      |              |           |            |  |
| Rev                                                                                      | Description          | Drawn        | Designed  | Approved   | Issue Date                                                                          |
| A                                                                                        | Specification issued | ChenLingjuan | SunWenqun | Topup. Liu | NOV. 03. 2016                                                                       |
| <div>PRELIMINARY</div>                                                                   |                      |              |           |            |                                                                                     |
|                                                                                          |                      |              |           |            |                                                                                     |
|                                                                                          |                      |              |           |            |                                                                                     |
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## SPECIFICATION FOR APPROVAL

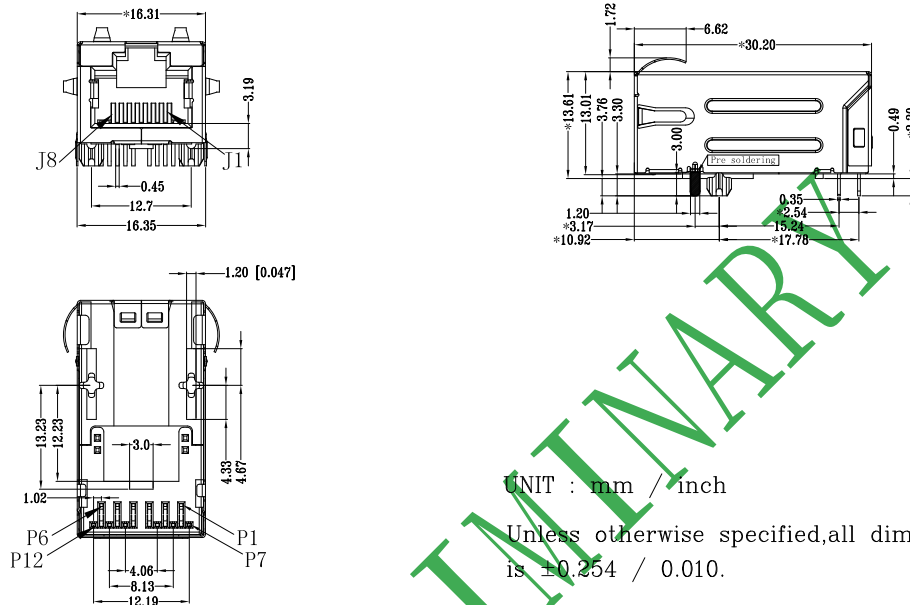
Customer Part No.:  
CZT Part No.: JDTU16020000  
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Rev.: A



#### 4. Mechanical Dimension and Notes:

##### 4-1. Mechanical Dimension:



UNIT : mm / inch

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

##### 4-2. Notes:

- CONNECTOR MATERIAL:  
HOUSING:LCP BLACK UL94 V-0  
INSERTER:LCP BLACK UL94 V-0  
SHIELD:Brass  
SHIELD PLATING:NICKEL 50 MICRO-INCHS MIN  
CONTACT:PHOSPHOR BRONZE  
CONTACT PLATING:SELECTIVE GOLD, 30 MICRO-INCHS 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° C TO +85° C.
- STORAGE TEMPERATURE T=-40° C TO +85° C.
- ALL CRITICAL DIMENSIONS WITH "\*"

Drawn by  
ChenLingjuan

Designed by  
SunWenqun

Approved by  
Topup. Liu

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Part Name: RJ45 ICM(5G Base-T 1Port)

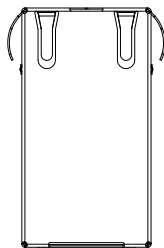
Rev.: A



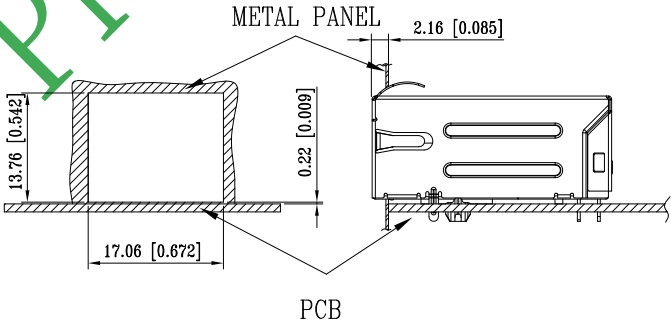
### 5. Label and Recommended PWB Layout and Suggested Panel Opening:

#### 5-1. Label:

Plug In Side



#### 5-2. Suggested Panel Opening:



UNIT: mm / inch  
Tolerances:  $\pm 0.10$  / 0.004

REFERENCE ONLY

# CZT

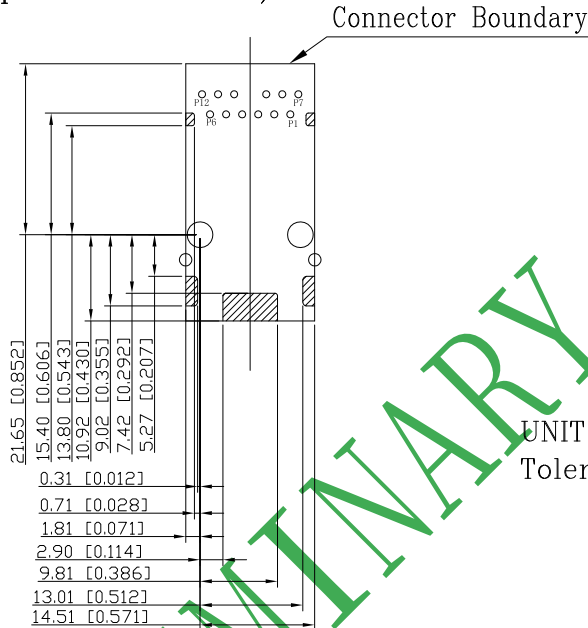
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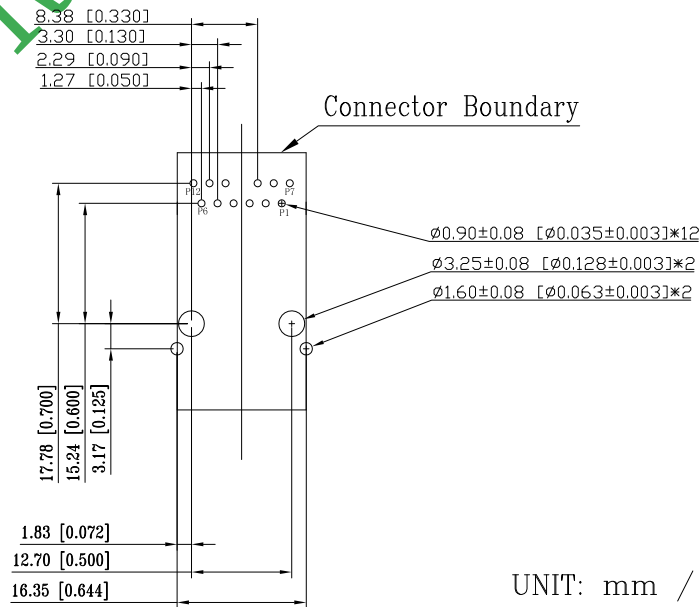


### 5-3. Keep-Out Area (Component Side View):



UNIT: mm / inch  
Tolerances:  $\pm 0.10$  / 0.004

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



UNIT: mm / inch  
Tolerances:  $\pm 0.10$  / 0.004

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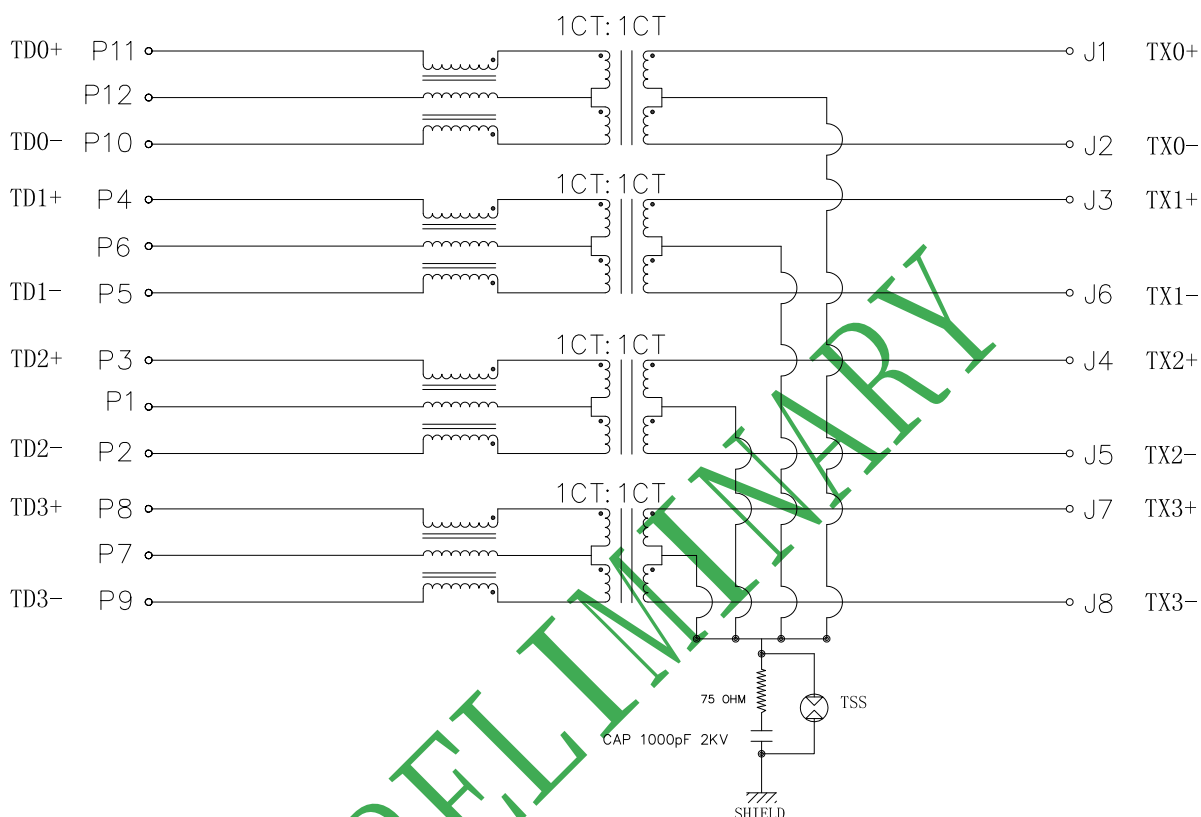
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### 6. Circuit Schematic and Electrical Specifications:

#### 6-1. Circuit Schematic:



#### 6-2. Electrical Specifications @ 25℃

| PARAMETER                                  | SPECIFICATIONS                  |                           |
|--------------------------------------------|---------------------------------|---------------------------|
| URNS RATIO                                 | 1.00 ± 2%                       |                           |
| POLARITY                                   | PER SCHEMATIC                   |                           |
| INSERTION LOSS                             | 1-150MHz                        |                           |
|                                            | -1.2 dB MAX                     |                           |
| RETURN LOSS <SDD11><br>Z OUT=100 OHM ±15%) | 1-100 MHz                       | 100-300 MHz               |
|                                            | -20 dB MIN                      | -20+16Log10(f/40M,Hz MIN) |
| RETURN LOSS <SDD22><br>Z OUT=100 OHM ±15%) | 1-40 MHz                        | 100-300 MHz               |
|                                            | -18 dB MIN                      | -18+10Log10(f/40M,Hz MIN) |
| INDUCTANCE (OCL)<br>MEDIA SIDE, 0°C-70°C)  | 120uH MIN @100KHZ,0.1V          |                           |
| INPUT - OUTPUT<br>ISOLATION                | 2250 VDC MINIMUM FOR 60 SECONDS |                           |

NOTE: f IS FREQUENCY IN MHZ.

SURGE PROTECTION:Line-PE:±4KV/40ohm(10/700us)

Line-PE:±3KA (8/20us)

Residual voltage<900V>