

# 10/100M Single Port Tab-Up(Length=21.5MM)

**Trxcom Technology Inc**

- ※1X1 Tab-Up, with internal magnetics for 10/100 Base-TX
- ※Internal magnetics options available
- ※350uH minimum OCL with 8 mA bias current
- ※RoHS compliant
- ※Peak temperature  $260 \pm 5^{\circ}\text{C}$ .



## Electrical Specifications @25°C

| Part Number           |                       | Turns Ratios |         | Insertion Loss (dB MIN) | Return Loss (dB MIN)@100Ω |        |        |           | Crosstalk (dB MIN) |        |         | Common Mode Rejection (dB MIN) |        |         | Hipot (Vrms) |
|-----------------------|-----------------------|--------------|---------|-------------------------|---------------------------|--------|--------|-----------|--------------------|--------|---------|--------------------------------|--------|---------|--------------|
| STD temp <sup>1</sup> | EXT temp <sup>2</sup> | TX           | RX      | 0.3-100 MHz             | 1-30 MHz                  | 40 MHz | 50 MHz | 60-80 MHz | 30 MHz             | 60 MHz | 100 MHz | 30 MHz                         | 60 MHz | 100 MHz |              |
| TRJ16211              | TRJ16611              | 1CT:1CT      | 1CT:1CT | -1.2                    | -16                       | -14    | -13    | -10       | -40                | -36    | -30     | -35                            | -32    | -30     | 1500         |
| TRJ16212              | TRJ16612              | 1CT:1CT      | 1CT:1CT | -1.2                    | -16                       | -14    | -13    | -10       | -40                | -36    | -30     | -35                            | -32    | -30     | 1500         |
| TRJ16213              | TRJ16613              | 1CT:1CT      | 1CT:1CT | -1.2                    | -16                       | -14    | -13    | -10       | -40                | -36    | -30     | -35                            | -32    | -30     | 1500         |
| TRJ16221              | TRJ16621              | 1CT:1CT      | 1CT:1CT | -1.2                    | -18                       | -16    | -14    | -12       | -40                | -36    | -30     | -35                            | -32    | -30     | 1500         |

**NOTE:** 1.Standard(STD) operating temperature are  $0^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ . 2.Extended(EXT) operating temperature are  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .  
(2)LED Ordering Options:

TRJ XXXXX X X NL  
 → RoHS  
 → LED Table (2)  
 → Mechanical Table (1)  
 → Model: Schematic

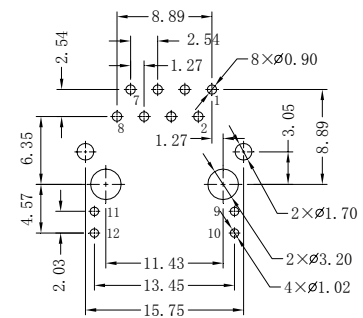
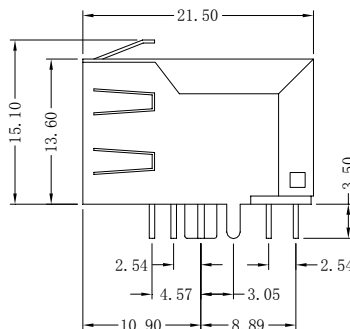
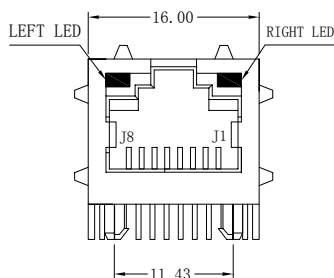
(1)TRJ Series Mechanical:

|   |                                  |
|---|----------------------------------|
| A | With Led and EMI-Finger          |
| B | With Led and Non EMI-Finger      |
| C | Without Led, but With EMI-Finger |
| D | Without Led and EMI-Finger       |

| LED CODE | LED COLOR |           | LED POLARITY |
|----------|-----------|-----------|--------------|
|          | LEFT LED  | RIGHT LED |              |
| A        | YELLOW    | GREEN     |              |
| B        | GREEN     | YELLOW    |              |
| C        | GREEN     | GREEN     |              |
| D        | YELLOW    | GREEN     |              |
| E        | GREEN     | YELLOW    |              |
| F        | GREEN     | GREEN     |              |
| G        | YELLOW    | GREEN     |              |
| H        | GREEN     | YELLOW    |              |
| W        | GREEN     | GREEN     |              |

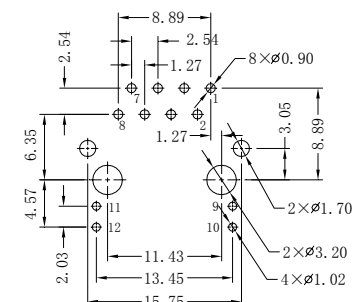
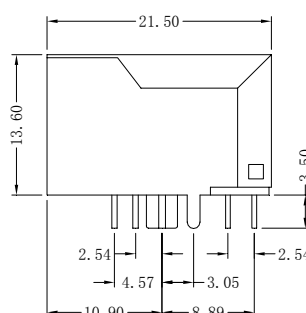
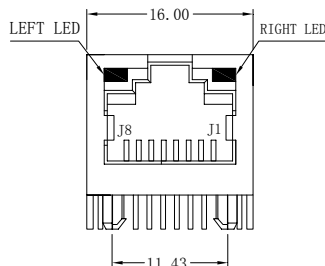
## Mechanical

**A**



SUGGESTED PCB LAYOUT (TOP VIEW)

**B**

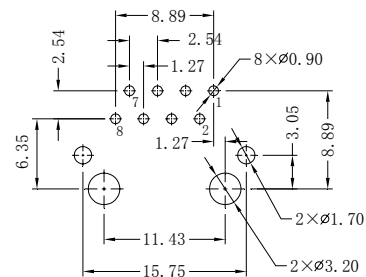
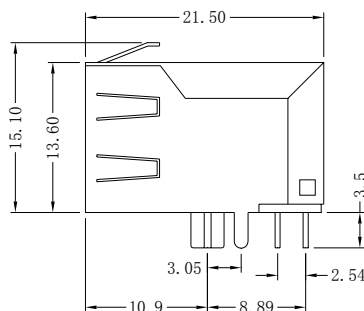
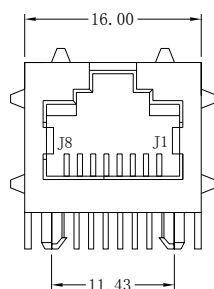


SUGGESTED PCB LAYOUT (TOP VIEW)

# 10/100M Single Port Tab-Up(Length=21.5MM)

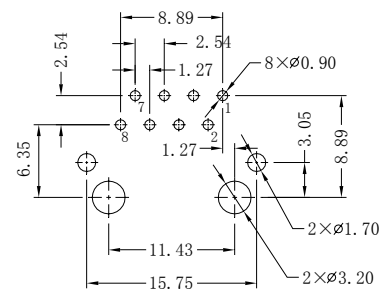
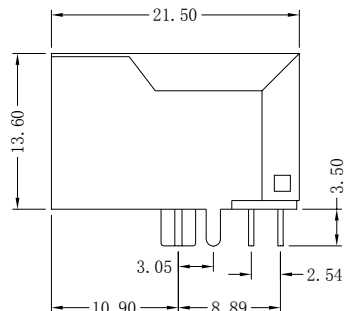
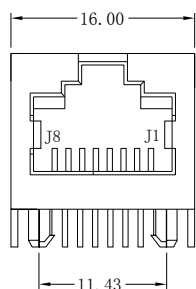
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**C**



SUGGESTED PCB LAYOUT (TOP VIEW)

**D**



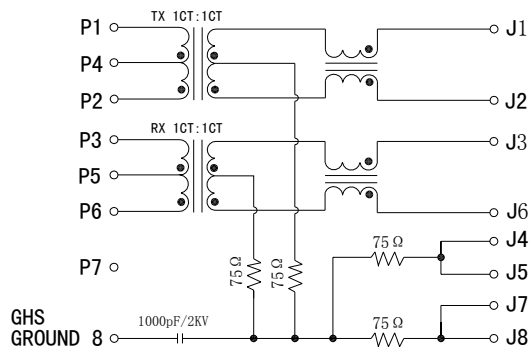
SUGGESTED PCB LAYOUT (TOP VIEW)

Dimensions: mm

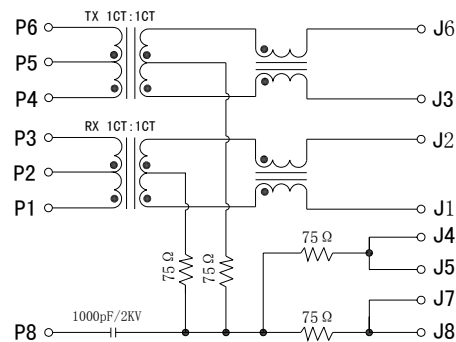
Unless otherwise specified, all tolerances are  $\pm 0.25$

## Schematics

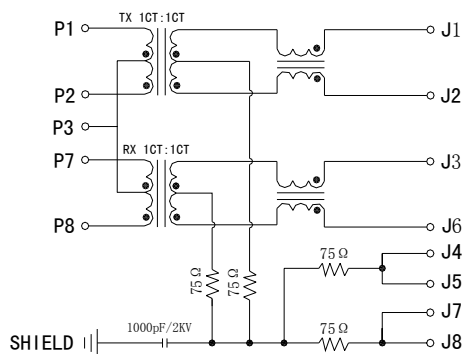
### TRJ16211



### TRJ16212



### TRJ16213



### TRJ16221

