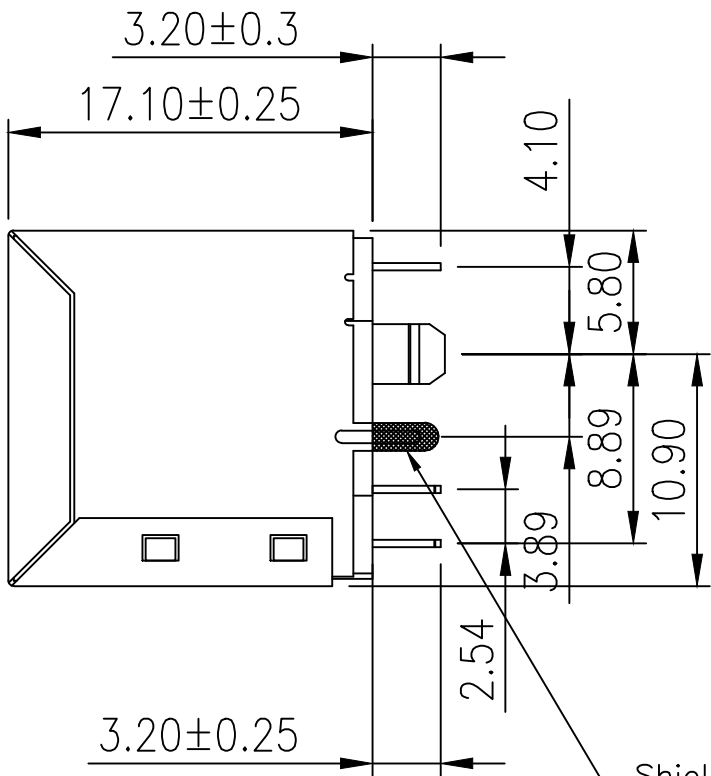
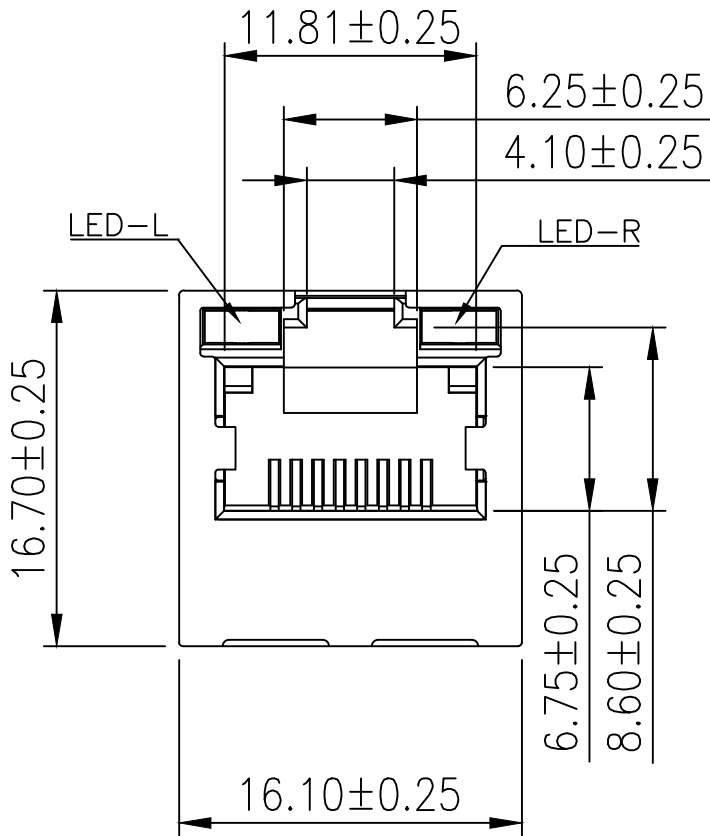
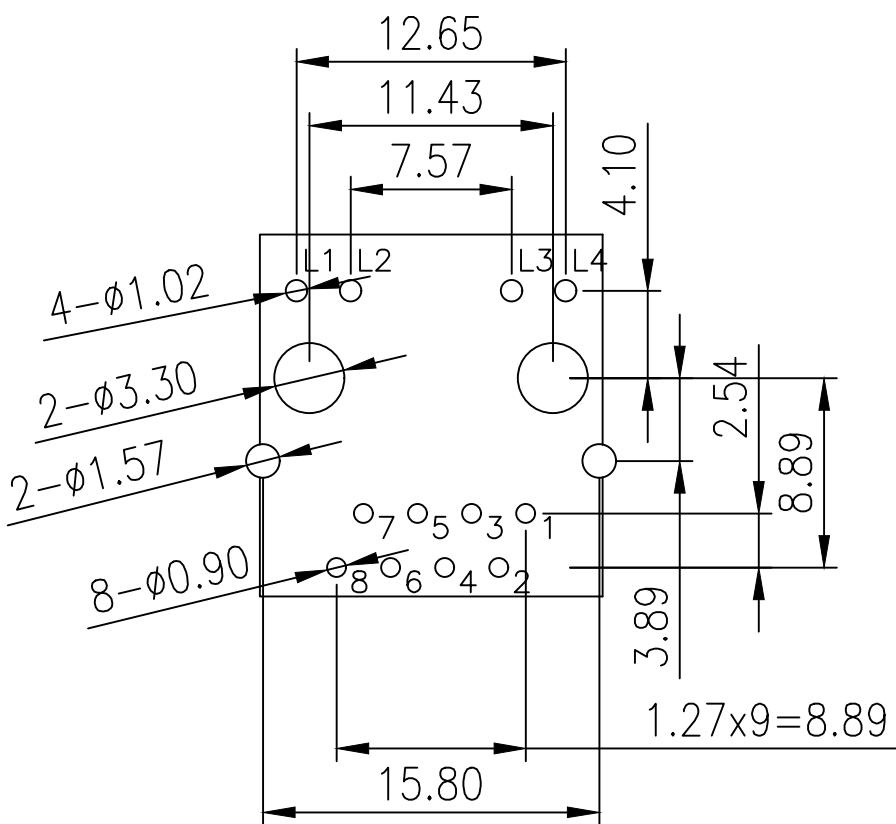
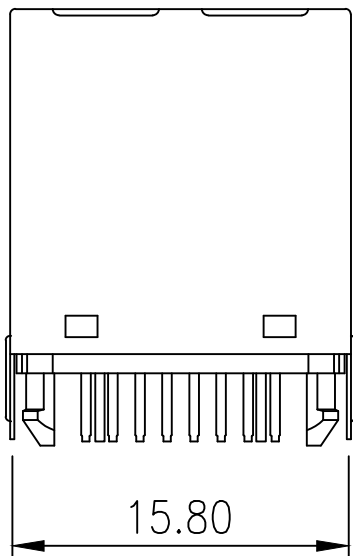
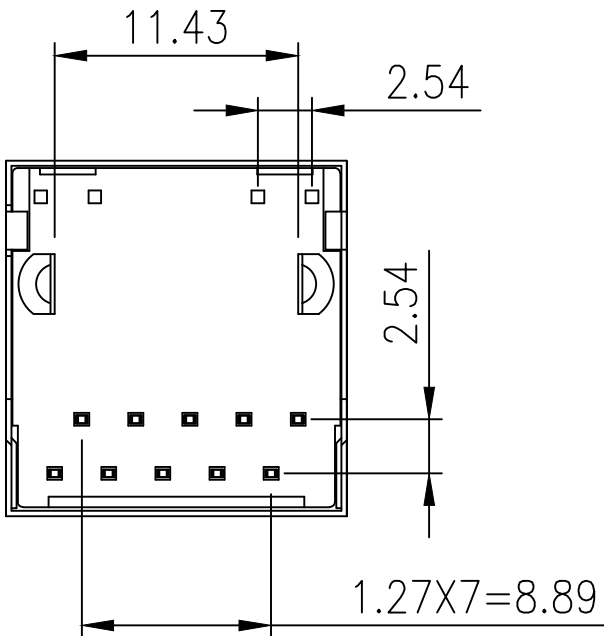


RoHS Compliant

Mechanical:



Shield pin  
Tin plating



PCB Layout

NOTE:

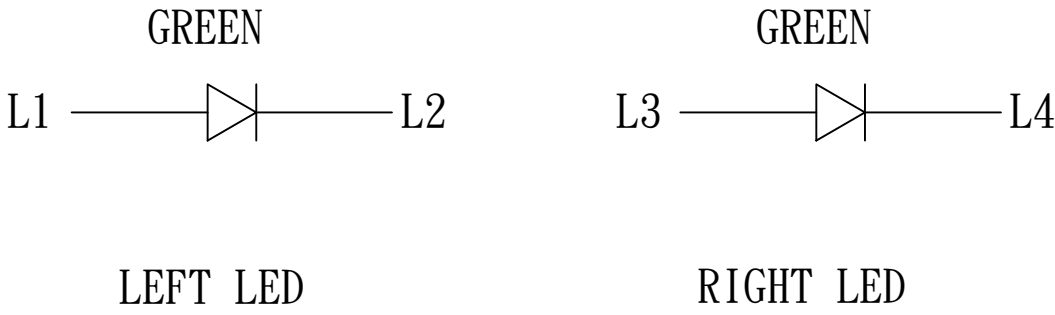
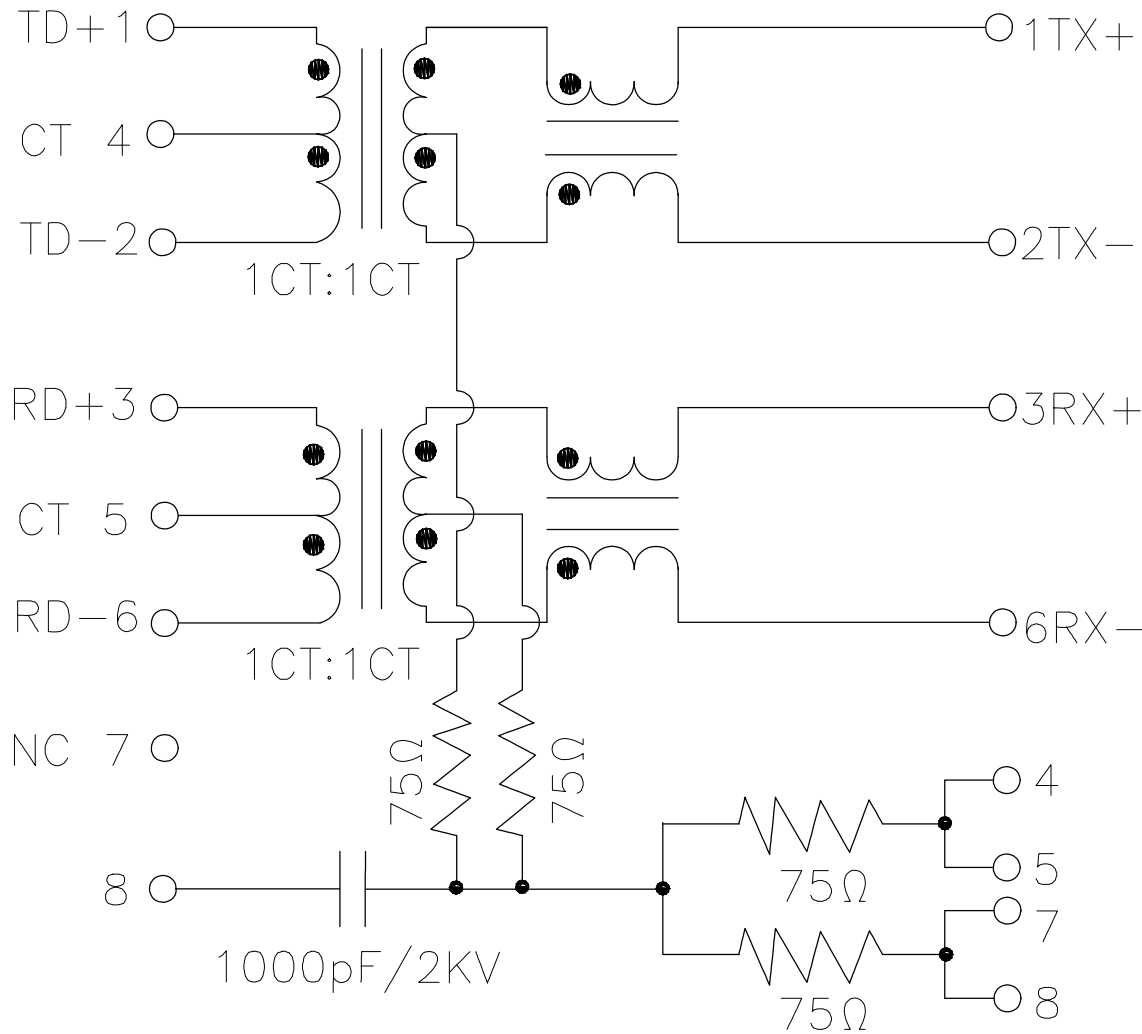
- 1.Shielded – 0.20mm THICKNESS BRASS C2680 H. PLATING NICKEL 20u”Min.
- 2.Housing– Standard Material Nylon66,Glass Filled Polyester UL94V–0 Standed Color Black.
- 3.RJ Terminal– Plastic:Nylon66, UL94V–0,Standard Color Black. Pin:0.35mm Thickness Phos–Bronze C5210 EH. Plating:Nickel40u”~60u” for all and Sn 100% ,and Gold Plating.
- 4.Input Terminal– Nylon66,Glass Filled,UL94V–0, Standard Color Black. Pin:0.35mm C2680. Plating:Nickel40u”~60u” for all and Sn 100%.

|                     |                                      |           |                                      |       |              |        |
|---------------------|--------------------------------------|-----------|--------------------------------------|-------|--------------|--------|
| QC :Inspection Item | DIMENSION IN mm [Inch]               |           | ELLAX CORPORATION                    |       |              |        |
|                     | TOLERANCE UNLESS OTHERWISE SPECIFIED |           | TITLE<br>1x1 10/100 Base–T Top Entry |       |              |        |
|                     | .X± 0.38                             | X.°± 2.0° | DRAWING NUMBER<br>68100115HA1–YT     |       |              |        |
|                     | .XX± 0.20                            | .X°± 1.0° | DRAW<br>Eason<br>2020,01,17          |       |              |        |
|                     | .XXX± 0.10                           |           |                                      |       |              |        |
| APPROVE             |                                      | CHECK     | PROJ.                                |       | SHEET X OF Y |        |
|                     |                                      |           | SCALE                                | RATIO | SIZE A3      | REV P1 |

RoHS Compliant

Schematic:

Type 001



| Code | RJ45 Plating |                |                  |   | LED Code |        |           |        |
|------|--------------|----------------|------------------|---|----------|--------|-----------|--------|
|      | Contact area | Solder tail    | Under plating    |   | Left LED |        | Right LED |        |
| F    | 3u" gold     | 100u" Tin Min. | 40u" Nickel Min. | A | Green    | -      | Yellow    | -      |
| 1    | 6u" gold     |                |                  | B | Yellow   | -      | Green     | -      |
| 2    | 15u" gold    |                |                  | C | Green    | -      | Green     | -      |
| 3    | 30u" gold    |                |                  | D | -        | Green  | -         | Yellow |
| 4    | 50u" gold    |                |                  | E | -        | Yellow | -         | Green  |
|      |              |                |                  | F | Yellow   | -      | Orange    | Green  |
|      |              |                |                  | 8 | Green    | Red    | Green     | Yellow |
|      |              |                |                  | 0 | -        | -      | -         | -      |

Part Number:

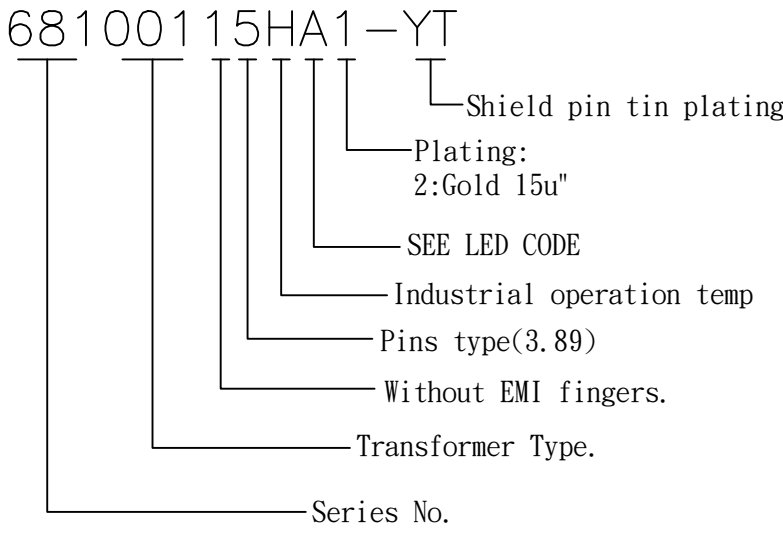
- XXX XXX XX X X X  
① ② ③ ④ ⑤ ⑥  
① Series No.  
② Transformer Type.  
③ Shield Type.  
④ R-Standard operation temp. (0°C to +70°C)  
H=Industrial operation temp. (-40°C to +85°C)  
⑤ LED Code:See left table.  
⑥ RJ45 Plating

| REV | MODIFICATION | DATE | DRAW | APPROVE |
|-----|--------------|------|------|---------|
|     |              |      |      |         |
|     |              |      |      |         |

| PART NO.    | Electrical Specifications @25°C |         |                                                    |                      |        |        |         |                                         |
|-------------|---------------------------------|---------|----------------------------------------------------|----------------------|--------|--------|---------|-----------------------------------------|
| Part Number | Turns Ratio (±2%)               |         | OCL (uH Min.)<br>@100 KHz/0.1V<br>with 8mA DC Bias | Cross talk (dB Min.) |        |        |         | Hi-POT<br>1.0 mA (V)                    |
|             | TX                              | RX      |                                                    | 0.5-10 MHz           | 30 MHz | 50 MHz | 100 MHz | WITHOUT CAPACITARCE<br>WITH CAPACITARCE |
| 68100115HA1 | 1CT:1CT                         | 1CT:1CT | 350                                                | -50                  | -40    | -35    | -30     | 1500 AC<br>2250 DC                      |

| PART NO.    | Continue                 |                              |                                      |           |        |           |                             |               |
|-------------|--------------------------|------------------------------|--------------------------------------|-----------|--------|-----------|-----------------------------|---------------|
| Part Number | Insertion Loss (dB Max.) |                              | Return Loss (dB Min.) @ Load 100 OHM |           |        |           |                             | CMR (dB Min.) |
|             | 1-100 MHz                | 100-125 MHz<br>(10/100/1000) | 1-30 MHz                             | 30-50 MHz | 60 MHz | 60-80 MHz | 80-100 MHz<br>(10/100/1000) | 1-100 MHz     |
| 68100115HA1 | -1.0                     | -1.2                         | -18                                  | -16       | -14    | -12       | -10                         | -30           |

Part Number:



| QC :Inspection Item | DIMENSION IN mm [Inch]               |  | ELLAX CORPORATION           |  |                       |                |
|---------------------|--------------------------------------|--|-----------------------------|--|-----------------------|----------------|
|                     | TOLERANCE UNLESS OTHERWISE SPECIFIED |  | TITLE                       |  |                       |                |
|                     | .X± 0.38                             |  | 1x1 10/100 Base-T Top Entry |  |                       |                |
|                     | .XX± 0.20                            |  | DRAWING NUMBER              |  |                       |                |
|                     | .XXX± 0.10                           |  | 68100115HA1-YT              |  |                       |                |
| APPROVE             | CHECK                                |  | DRAW<br>Eason<br>2020,01,17 |  | PROJ.<br>SHEET X OF Y | SCALE<br>RATIO |
|                     |                                      |  |                             |  | SIZE<br>A3            | REV<br>P1      |