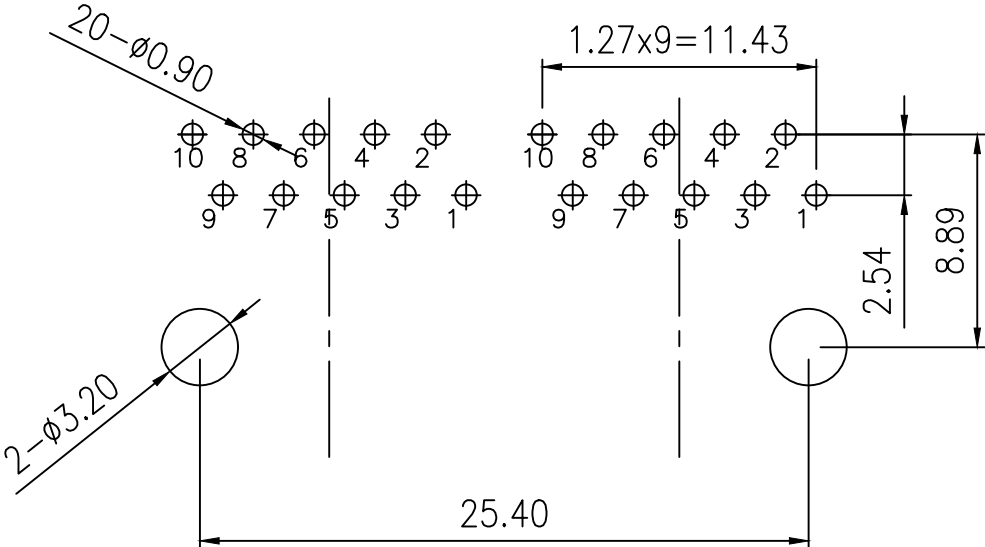
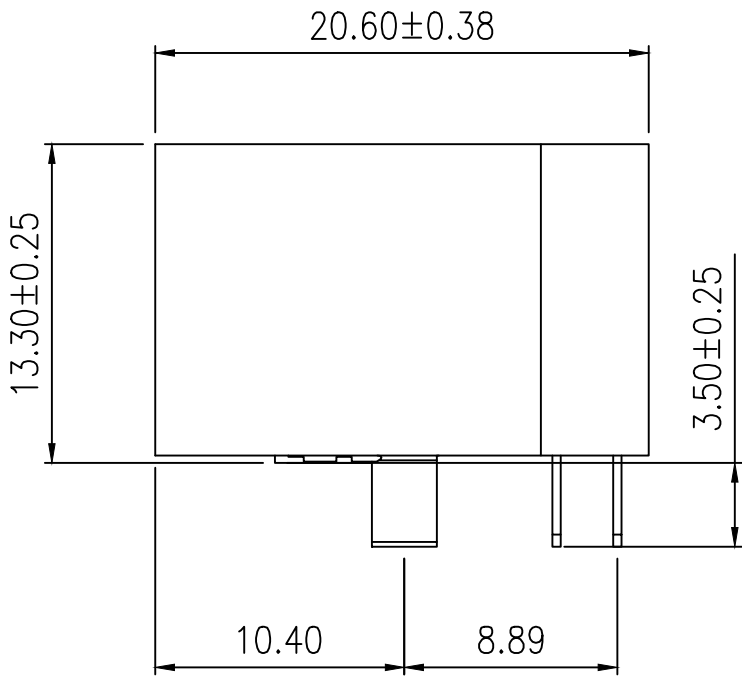
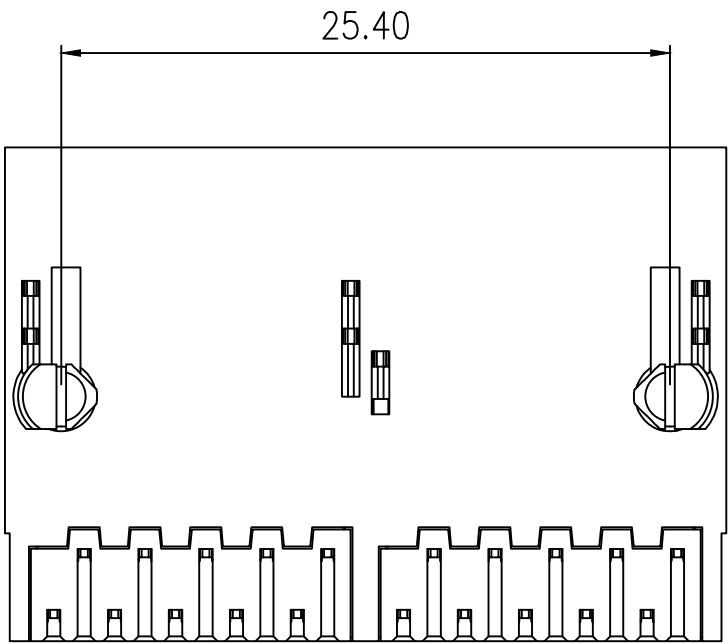
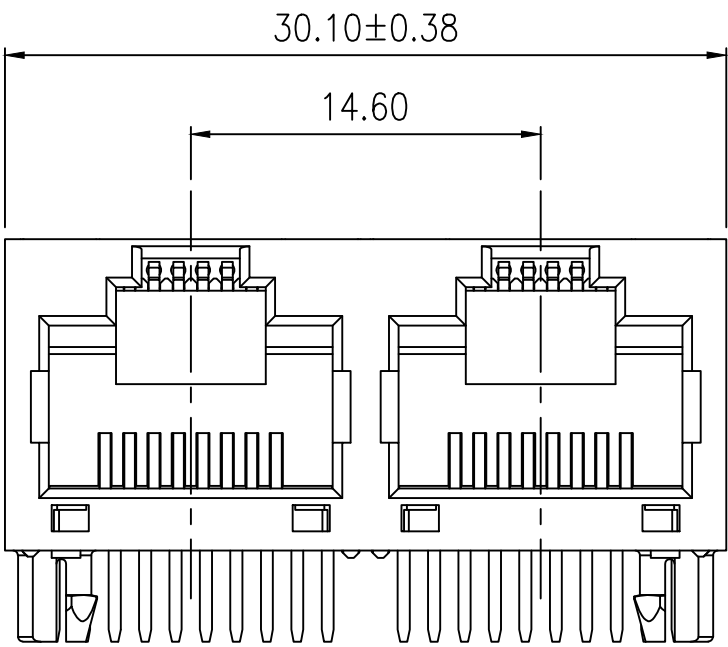


RoHS Compliant

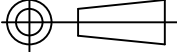
Mechanical:



PCB LAYOUT

NOTE:

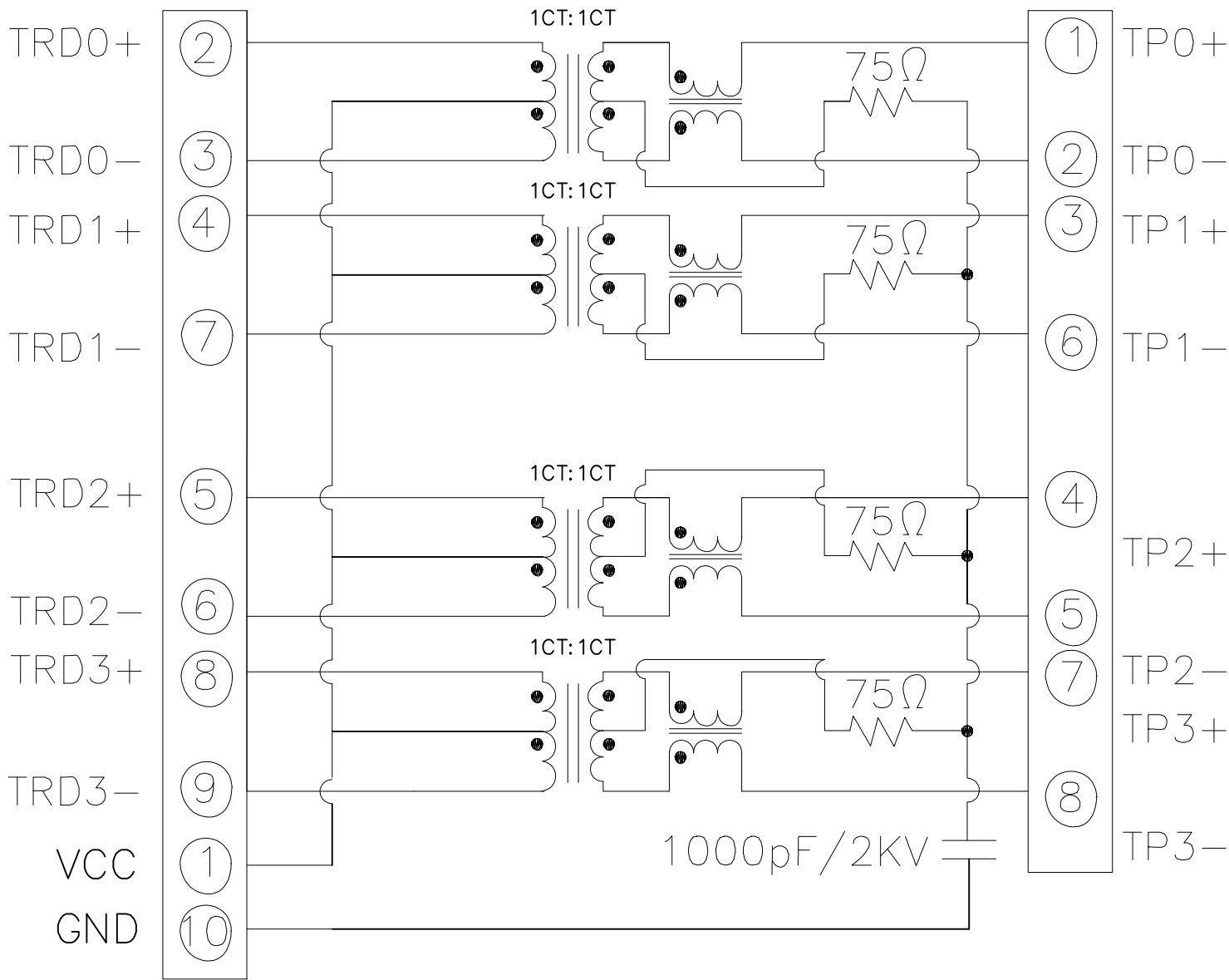
1. Shielded – 0.25mm Thickness Brass C2680 H.  
Plating Nickel 20u”Min.
2. Housing– Standard Material Nylon66,Glass Filled Polyester UL94V–0  
Standard Color Black.
3. RJ Terminal– Plastic:Nylon66, UL94V–0, Standard Color Black.  
Pin:0.35mm Thickness Phos–Bronze C5210 EH.  
Plating:Nickel 40u”~60u” for all and Sn 100%,and Gold Plating.
4. Input Terminal– Nylon66,Glass Filled,UL94V–0, Standard Color Black.  
Pin:0.35mm Thickness SUS430.  
Plating:Nickel 40u”~60u” for all and Sn 100%.

|                             |                                      |                               |                                      |                             |  |                                                                                                |  |              |  |
|-----------------------------|--------------------------------------|-------------------------------|--------------------------------------|-----------------------------|--|------------------------------------------------------------------------------------------------|--|--------------|--|
| QC :Inspection Item         | DIMENSION IN mm [Inch]               |                               | ELLAX CORPORATION                    |                             |  |                                                                                                |  |              |  |
|                             | TOLERANCE UNLESS OTHERWISE SPECIFIED |                               | TITLE<br>RJ45 1X2 TAB-UP 10/100/1000 |                             |  |                                                                                                |  |              |  |
|                             | .X± 0.38                             | X.°± 2.0°                     | DRAWING NUMBER<br>462G1800R01        |                             |  |                                                                                                |  |              |  |
|                             | .XX± 0.20                            | .X°± 1.0°                     |                                      |                             |  |                                                                                                |  |              |  |
|                             | .XXX± 0.10                           |                               |                                      |                             |  |                                                                                                |  |              |  |
| APPROVE<br>WP<br>2020,01,06 |                                      | CHECK<br>Oliver<br>2020,01,06 |                                      | DRAW<br>Eason<br>2020,01,06 |  | PROJ.<br> |  | SHEET X OF Y |  |
|                             |                                      |                               |                                      | SCALE RATIO                 |  | SIZE A3                                                                                        |  | REV A        |  |

RoHS Compliant

Schematic:

Type G18



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

| Electrical Specifications @25°C |         |                                                    |                         |        |        |         |                      |                  |
|---------------------------------|---------|----------------------------------------------------|-------------------------|--------|--------|---------|----------------------|------------------|
| Turns Ratio<br>(±2%)            |         | OCL (uH Min.)<br>@100 KHz/0.1V<br>with 8mA DC Bias | Cross talk<br>(dB Min.) |        |        |         | Hi-POT<br>1.0 mA (V) |                  |
| TX                              | RX      |                                                    | 0.5-10 MHz              | 30 MHz | 50 MHz | 100 MHz | WITHOUT<br>Resistor  | WITH<br>Resistor |
| 1CT:1CT                         | 1CT:1CT |                                                    | 350                     | -50    | -40    | -35     | -30                  | 1500 AC          |

| Continue                 |                           |                                      |           |        |           |                          |               |  |
|--------------------------|---------------------------|--------------------------------------|-----------|--------|-----------|--------------------------|---------------|--|
| Insertion Loss (dB Max.) |                           | Return Loss (dB Min.) @ Load 100 OHM |           |        |           |                          | CMR (dB Min.) |  |
| 1-100 MHz                | 100-125 MHz (10/100/1000) | 1-30 MHz                             | 30-50 MHz | 60 MHz | 60-80 MHz | 80-100 MHz (10/100/1000) | 1-100 MHz     |  |
| -1.0                     | -1.2                      | -18                                  | -16       | -14    | -12       | -10                      | -30           |  |

Part Number:

462G1800R01

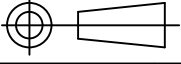
Plating:  
1:Gold 6u”  
Without LED  
Standard operation temp  
Without Shield  
Without Shield  
Transformer Type.  
Series No.

| LED Code |          |         |           |         |  |
|----------|----------|---------|-----------|---------|--|
|          | Left LED |         | Right LED |         |  |
|          | +L1,-L2  | -L1,+L2 | +L3,-L4   | -L3,+L4 |  |
| A        | Green    | -       | Yellow    | -       |  |
| B        | Yellow   | -       | Green     | -       |  |
| C        | Green    | -       | Green     | -       |  |
| D        | -        | Green   | -         | Yellow  |  |
| E        | -        | Yellow  | -         | Green   |  |
| F        | Yellow   | -       | Orange    | Green   |  |
| G        | Orange   | Green   | Yellow    | -       |  |
| I        | Green    | Orange  | 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

| QC : Inspection Item        | DIMENSION IN mm [Inch]               |           | ELLAX CORPORATION                    |  |                                                                                             |  |
|-----------------------------|--------------------------------------|-----------|--------------------------------------|--|---------------------------------------------------------------------------------------------|--|
|                             | TOLERANCE UNLESS OTHERWISE SPECIFIED |           | TITLE<br>RJ45 1X2 TAB-UP 10/100/1000 |  |                                                                                             |  |
|                             | .X± 0.38                             | X.°± 2.0° | DRAWING NUMBER<br>462G1800R01        |  |                                                                                             |  |
|                             | .XX± 0.20                            | .X°± 1.0° |                                      |  |                                                                                             |  |
|                             | .XXX± 0.10                           |           |                                      |  |                                                                                             |  |
| APPROVE<br>WP<br>2020,01,06 | CHECK<br>Oliver<br>2020,01,06        |           | DRAW<br>Eason<br>2020,01,06          |  | PROJ.  |  |
|                             |                                      |           | SCALE RATIO                          |  | SHEET X OF Y<br>A3 REV A                                                                    |  |