

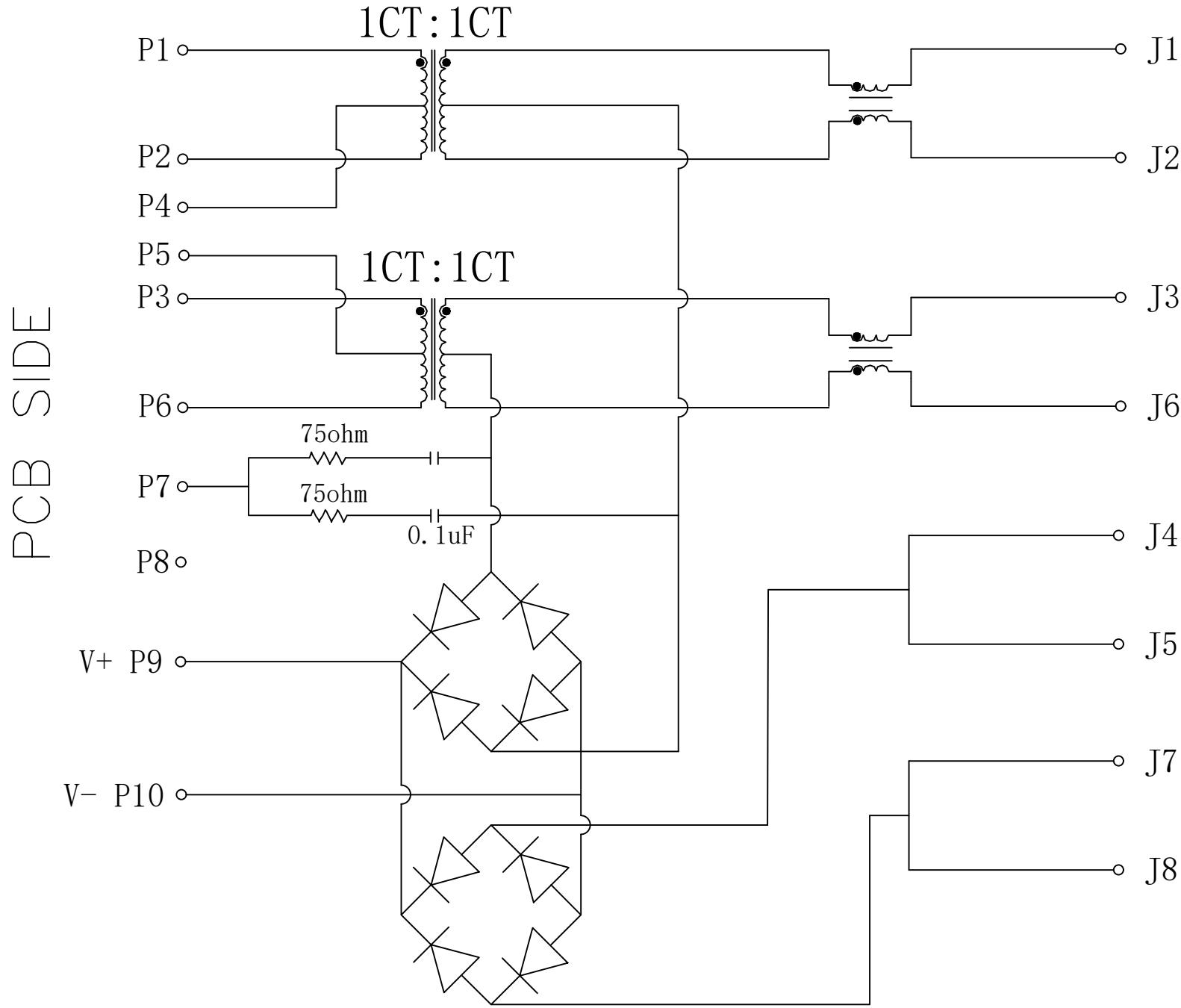


RoHS Compliant

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

Schematic:

Type 92



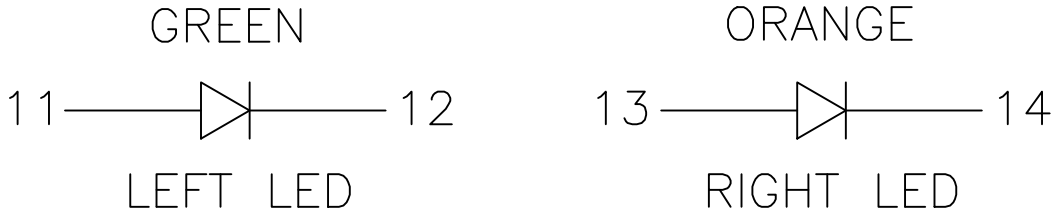
| PART NO.    | Electrical Specifications @25°C |         |                                                    |                      |        |        |         |                      |                  |
|-------------|---------------------------------|---------|----------------------------------------------------|----------------------|--------|--------|---------|----------------------|------------------|
| 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 CAPACITANCE  | WITH CAPACITANCE |
| 69109211RQ1 | 1CT:1CT                         | 1CT:1CT | 350                                                | -50                  | -40    | -35    | -30     | 1500 AC              | 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     |  |
| 69109211RQ1 | -1.0                     | -1.2                         | -18                                  | -16       | -14    | -12       | -10                         | -30           |  |

Part Number:

69109211RQ1

- Plating: 1:Gold 6u"
- With LED
- Standard operation temp.
- Pins type(3.89)
- Without EMI fingers.
- Transformer Type.
- Series No.



| 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 |
|      |              |                |                  | Q        | Green     | -      | Orange |
|      |              |                |                  | 0        | -         | -      | -      |

Part Number:

- XXX XXX XX X X X
- 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                |            |     |              |
|                      | .X± 0.38                             |  | RJ45 180° 1x1 w/ REC |            |     |              |
|                      | .XX± 0.20                            |  | DRAWING NUMBER       |            |     |              |
|                      | .XXX± 0.10                           |  | 69109211RQ1          |            |     |              |
| APPROVE              | WP                                   |  | CHECK                | Oliver     |     | DRAW         |
|                      | 2020,01,08                           |  |                      | 2020,01,08 |     | Eason        |
|                      |                                      |  |                      |            |     | 2020,01,08   |
|                      |                                      |  |                      | PROJ.      | ⊕   | SHEET 2 OF 2 |
|                      |                                      |  |                      | SCALE      | 3:1 | SIZE A3      |
|                      |                                      |  |                      |            |     | REV A        |