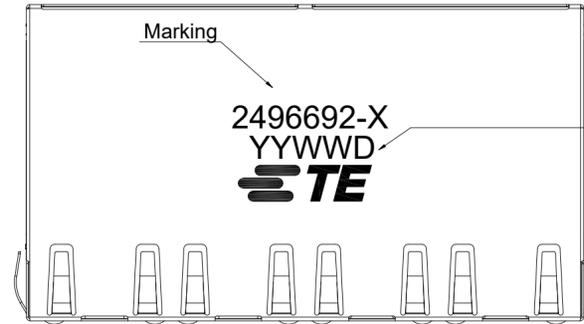


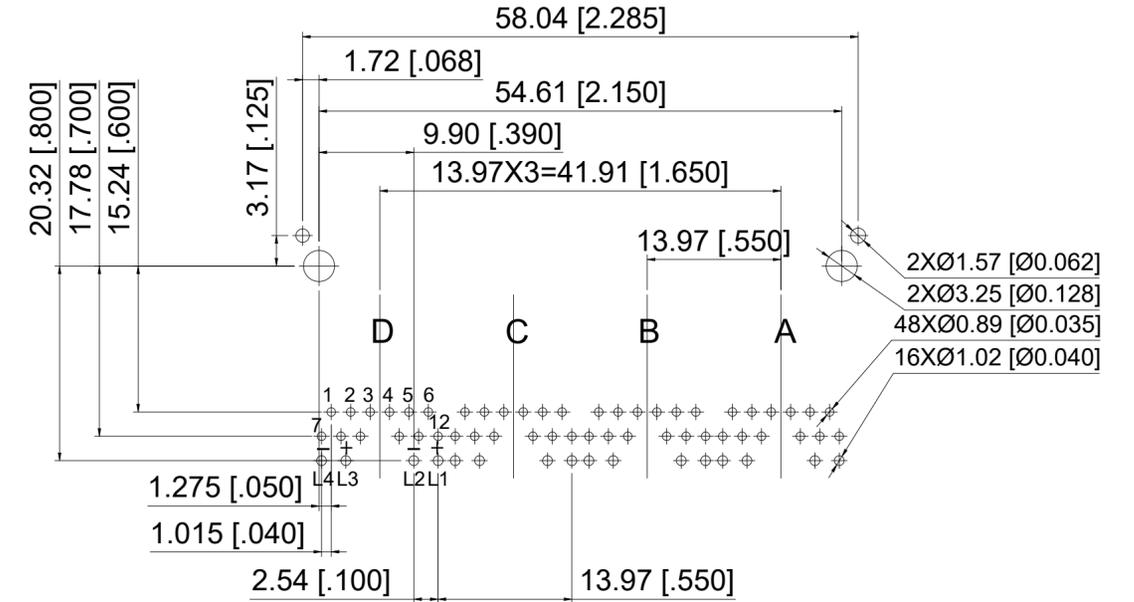
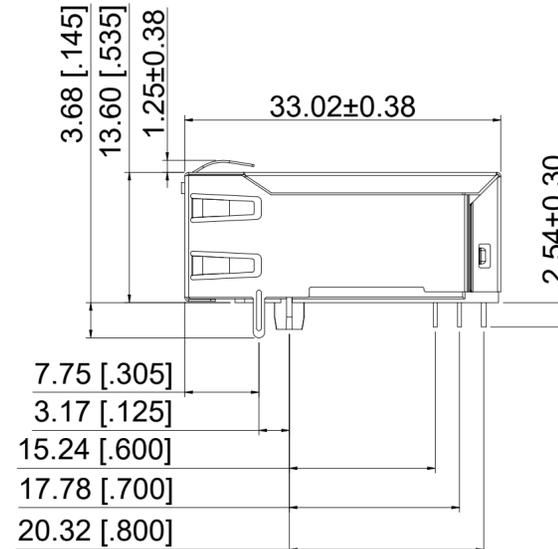
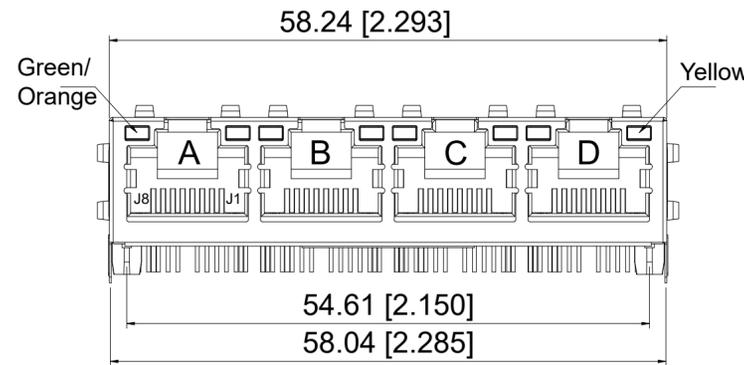
| REVISIONS |     |                           |           |     |      |
|-----------|-----|---------------------------|-----------|-----|------|
| P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
| A         |     | REVISED PER ECN-25-302719 | 24JAN2025 | TR  | RCG  |

NOTE :

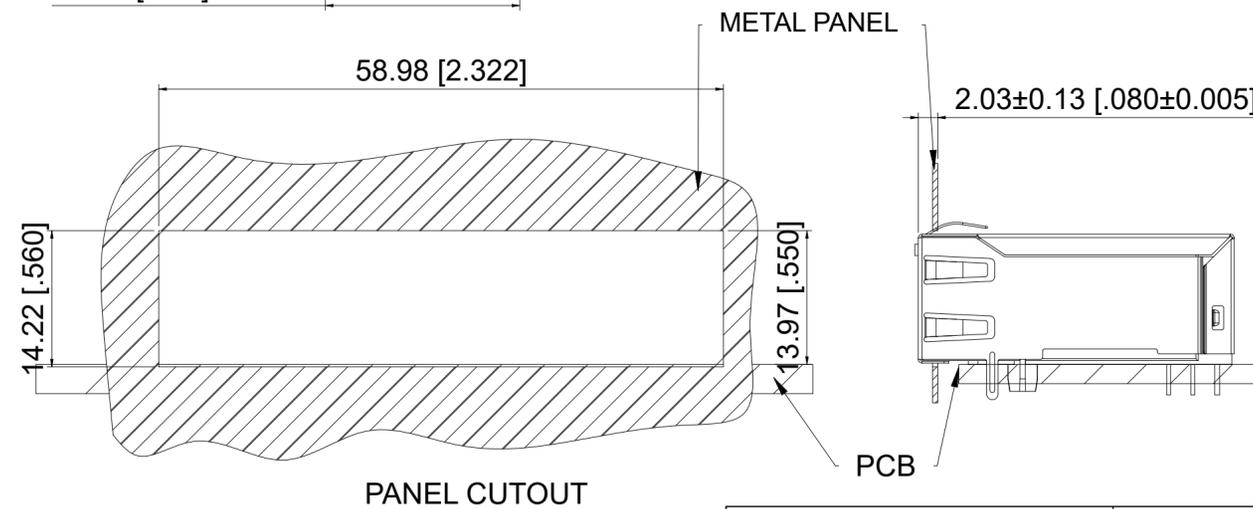
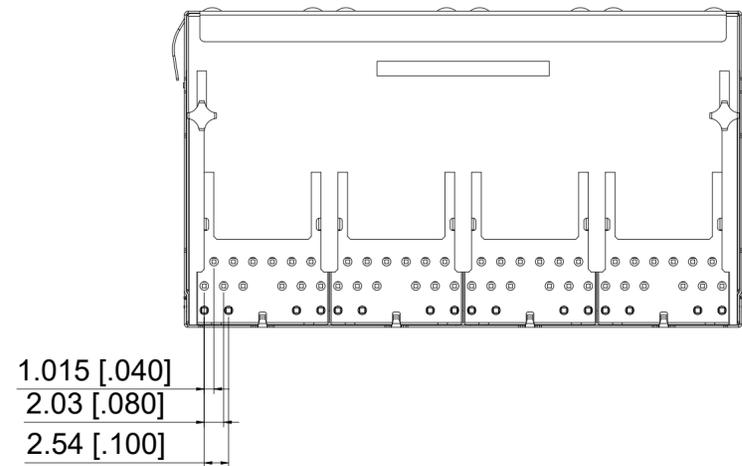
- 1.HOUSING:GLASS FILLED PA46(BLACK) UL94V-0(RoHS)
- 2.CONTACT: PHOSPHOR BRONZE,50 MICROINCHES MIN. OVERALL DUCTILE NICKEL UNDERPLATE WITH (REFER PART NUMBER TABLE) GOLD AT MATING INTERFACE
- 3.SHIELD:0.2mm THICKNESS WITH BRASS.
- 4.JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUBPART F
- 5.THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS 260°C MAX,10 SECS MAX.
- 6.OPERATING TEMPERATURE:-40°C TO +85°C.  
STORAGE TEMPERATURE:-40°C TO +85°C.



Note:  
X= 1, 2,3,4,5,6  
YYWWD  
YY=YEAR  
WW=WEEK  
D=1 for Sunday - 7 for Saturday



RECOMMENDED P.C.B LAYOUT  
TOP VIEW (COMPONENT SIDE)      Dimension Tolerance:  
PCB LAYOUT  
Tolerances:±0.05[.002]

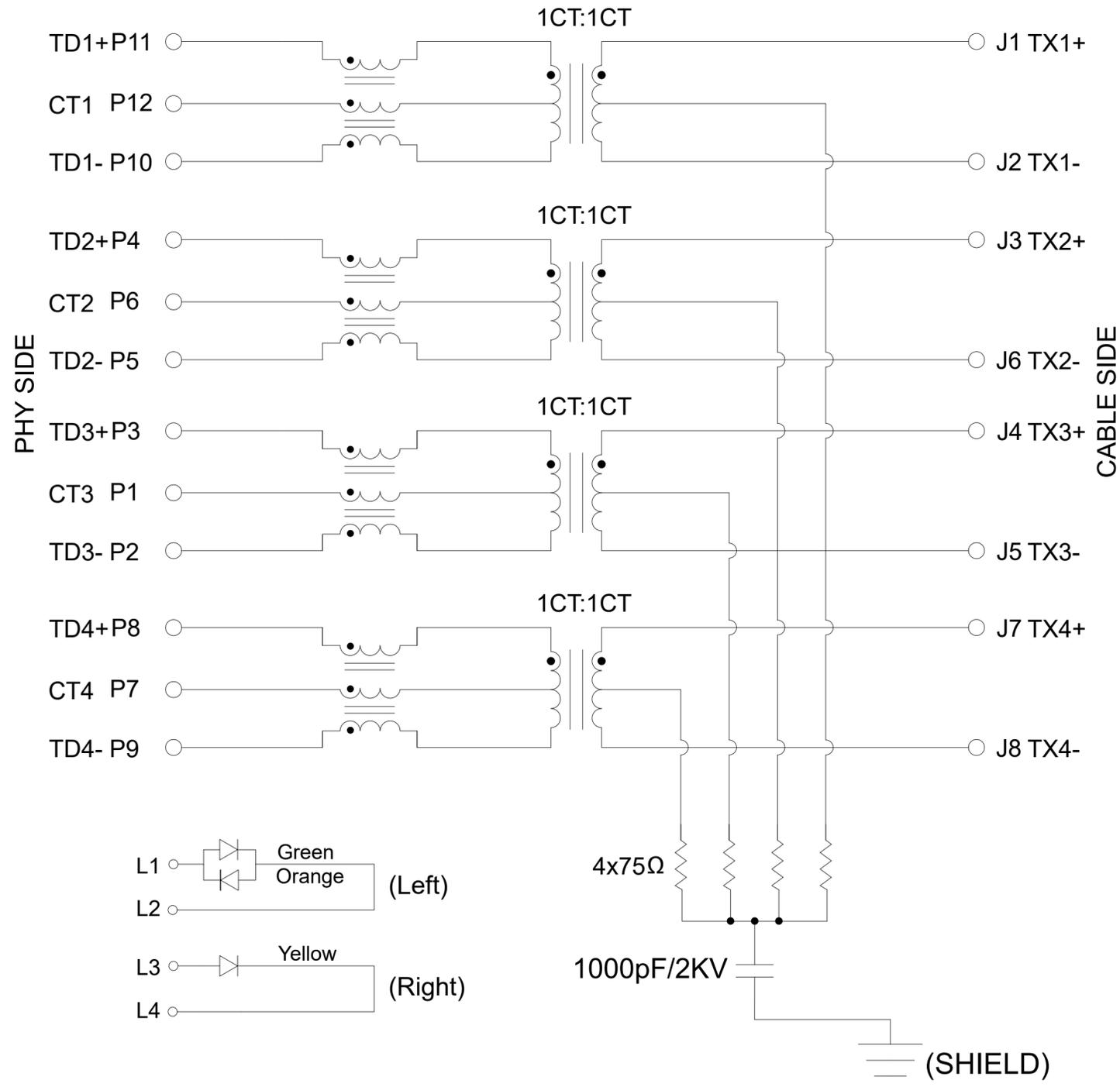


| GOLD PLATING THICKNESS | PART NUMBER |
|------------------------|-------------|
| GF                     | 2496692-6   |
| 0.0762 μm [3μ"]        | 2496692-5   |
| 0.1524 μm [6μ"]        | 2496692-4   |
| 0.381 μm [15μ"]        | 2496692-3   |
| 0.762 μm [30μ"]        | 2496692-2   |
| 1.27 μm [50μ"]         | 2496692-1   |

|  |  |                                     |                                  |                    |
|--|--|-------------------------------------|----------------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>TARUN, R<br>07NOV2024        | TE Connectivity                  |                    |
| DIMENSIONS:<br>mm [INCHES]             |  | CHK<br>RAMESH, KIVADER<br>07NOV2024 | NAME<br>RJ45 W/MAGNET 1X4 1G LED |                    |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APVD<br>RAGHAVAN, CG<br>07NOV2024   | PRODUCT SPEC<br>108-161620       |                    |
| 0 PLC ± -                              |  | APPLICATION SPEC<br>114-161217      | SIZE<br>A2                       | CAGE CODE<br>00779 |
| 1 PLC ± 0.35                           |  | WEIGHT<br>-                         | DRAWING NO<br>C=2496692          | RESTRICTED TO<br>- |
| 2 PLC ± 0.25                           |  | CUSTOMER DRAWING                    | SCALE<br>1:1                     | SHEET<br>1 OF 3    |
| 3 PLC ± 0.15                           |  |                                     | REV<br>A                         |                    |
| 4 PLC ± -                              |  |                                     |                                  |                    |
| ANGLES ± 2°                            |  |                                     |                                  |                    |
| MATERIAL<br>-                          |  |                                     |                                  |                    |
| FINISH<br>-                            |  |                                     |                                  |                    |

| REVISIONS |     |             |      |      |
|-----------|-----|-------------|------|------|
| P         | LTR | DESCRIPTION | DATE | APVD |
| -         | -   | SEE SHEET 1 | -    | -    |

# Schematic



| PARAMETER                        | SPECIFICATIONS   |
|----------------------------------|--|
| OPERATING TEMPERATURE            | -40°C TO +85°C   |
| URNS RATIO                       | 1:1±2%   |
| INDUCTANCE(OCL)                  | 350uH MIN@100KHz/100mV With 8mA DC Bias  |
| INSERTION LOSS                   | -1.0dB MAX@0.3MHz-100MHz;  |
| RETURN LOSS<br>(Z out=100 OHM)   | -18dB MIN@1MHz-30MHz; -16dB MIN@30MHz-60MHz;<br>-12dB MIN@60MHz-80MHz; -10dB MIN@80MHz-100MHz; |
| CROSSTALK<br>(ADJACENT CHANNELS) | -30dB MIN@1MHz-100MHz;   |
| COMMON MODE REJECTION<br>RATIO   | -30dB MIN@1MHz-100MHz;   |
| HI-POT                           | 2250 VDC@60 SECONDS  |

| LED SPECIFICATION |            |                |      |
|-------------------|------------|----------------|------|
| STANDARD LED      | WAVELENGTH | Forward V(max) | TYP  |
| GREEN             | 570nm      | 2.4V           | 2.2V |
| YELLOW            | 590nm      | 2.5V           | 2.1V |
| ORANGE            | 605nm      | 2.5V           | 2.1V |

\*WITH A FORWARD CURRENT OF 20mA

|   |  |                                     |                                  |                    |                         |                    |          |
|---|--|-------------------------------------|----------------------------------|--------------------|-------------------------|--------------------|----------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.  |  | DWN<br>TARUN, R<br>07NOV2024        |                                  |                    |                         |                    |          |
| DIMENSIONS:<br>mm [INCHES]  |  | CHK<br>RAMESH, KIVADER<br>07NOV2024 |                                  |                    |                         |                    |          |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:  |  | APVD<br>RAGHAVAN, CG<br>07NOV2024   | NAME<br>RJ45 W/MAGNET 1X4 1G LED |                    |                         |                    |          |
| 0 PLC ± -<br>1 PLC ± 0.35<br>2 PLC ± 0.25<br>3 PLC ± 0.15<br>4 PLC ± -<br>ANGLES ± 2° |  | PRODUCT SPEC<br>108-161620          | SIZE<br>A2                       | CAGE CODE<br>00779 | DRAWING NO<br>C=2496692 | RESTRICTED TO<br>- |          |
| MATERIAL<br>-   |  | FINISH<br>-                         | WEIGHT<br>-                      | SCALE<br>1:1       |                         | SHEET<br>2 OF 3    | REV<br>A |
| CUSTOMER DRAWING  |  |                                     |                                  |                    |                         |                    |          |

2496692