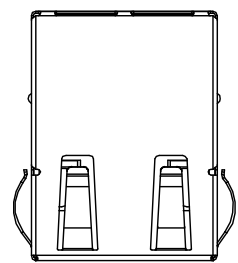


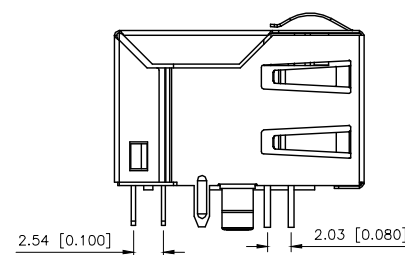
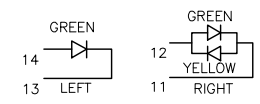
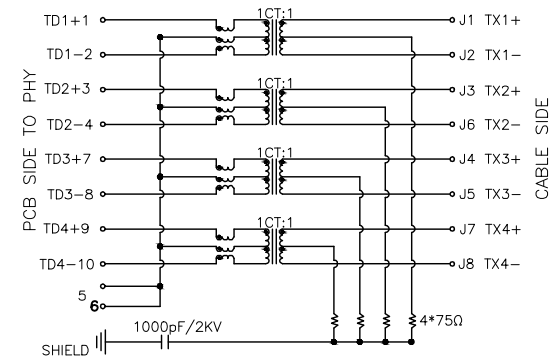
| REVISIONS |         |          |                 |            |        |
|-----------|---------|----------|-----------------|------------|--------|
| REV.      | ECN NO. | LOCATION | DESCRIPTION     | DATE       | DESIGN |
| A0        | N/A     |          | INITIAL RELEASE | /          | /      |
| A1        | N/A     |          |                 | 2025.08.30 |        |



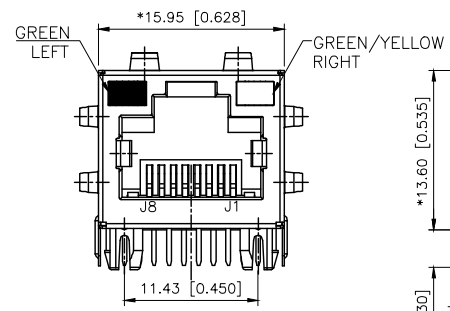
TOP VIEW

X02AQ010FE3DDXZ

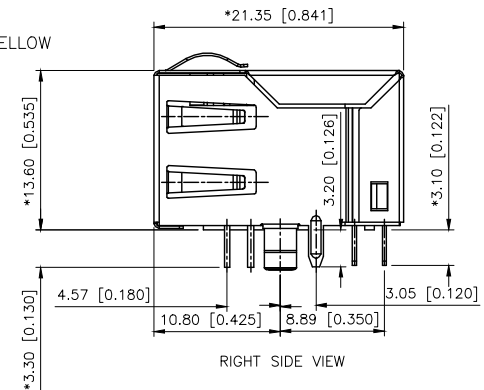
- 1:Au=1U"
- 3:Au=3U"
- 4:Au=6U"
- 5:Au=15U"
- 6:Au=30U"



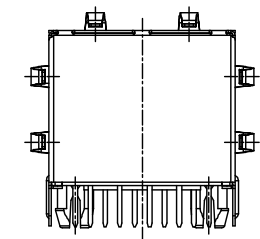
LEFT SIDE VIEW



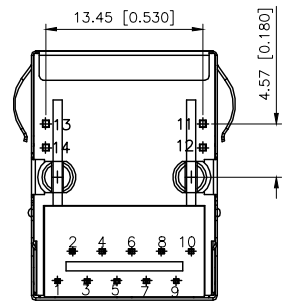
FRONT VIEW



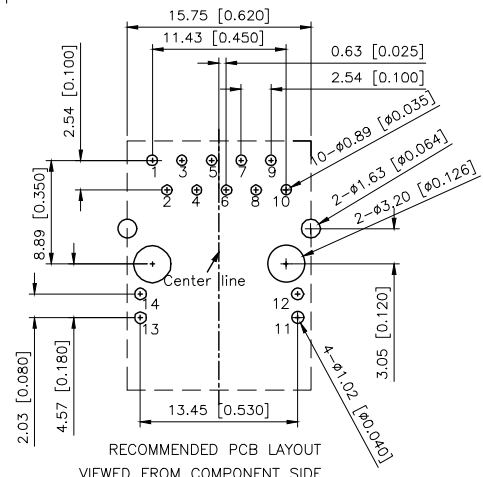
RIGHT SIDE VIEW



BACK VIEW



BOTTOM VIEW



RECOMMENDED PCB LAYOUT  
VIEWED FROM COMPONENT SIDE

- Electrical :
- 1.Turn ratio : 1~2:J1~J2=1CT:1CT(±2%).  
3~4:J3~J6=1CT:1CT(±2%)  
7~8:J4~J5=1CT:1CT(±2%)  
9~10:J7~J8=1CT:1CT(±2%)
  - 2.OCL:350uH Min.at 100KHz 100mV 8mA DC.
  - 3.Insertion Loss : -1.0 dB Max 1~100MHz.
  - 4.Return loss : -18dB Min 1~30MHz.  
-14dB Min 30~60MHz.  
-12dB Min 60~80MHz.  
-10dB Min 80~100MHz.
  - 5.Cross talk: -40dB Min 1~30MHz;  
-35dB Min 30~60MHz;  
-30dB Min 60~100MHz;
  - 6.CMR:-30dB Min 1~100MHz;
  - 7.Hi-Pot:2250V DC 6S 1mA PRI TO SEC.

- MATERIAL :
- HOUSING : PBT,UL94V-0,BLACK.
  - TERMINALS BRACKET : PBT,UL94V-0,BLACK.
  - SHIELD : C2680,T=0.20MM,NICKEL PLATING ON ALL AREA.
  - TERMINAL : PHOSPHOR BRONZE C5210,T=0.35MM,  
GOLD PLATING ON CONTACT AREA.
- MECHANICAL :
- DURABILITY : 750 CYCLES MIN.
  - MATING FORCE : 23N MAX.
  - OPERATING TEMPERATURE : -40°C~+85°C.
  - STORAGE TEMPERATURE : -40°C~+85°C.
  - ALL CRITICAL DIMENSIONS WITH "mm"

LED Specification

| Standard LED Color | LED Wavelength | Foward(A) | Foward(V)  |
|--------------------|----------------|-----------|------------|
| Green              | 568nm          | 20mA      | 1.85~2.45V |
| Yellow             | 585nm          | 20mA      | 1.7~2.2V   |

|                        |       |
|------------------------|-------|
| AuGLAR                 | ±5°   |
| X.                     | ±0.40 |
| X.x                    | ±0.30 |
| X.xx                   | ±0.20 |
| X.xxx                  | ±0.15 |
| UNSPECIFIED TOLERANCES |       |



|          |             |                           |
|----------|-------------|---------------------------|
| DESIGN   | VIEW:       | MODEL TYPE: RJ JACK       |
| CHECKED  | UNIT: mm/in | PART NO.: X02AQ010FE3DDXZ |
| APPROVED | SIZE: A4    | DWG NO.:                  |