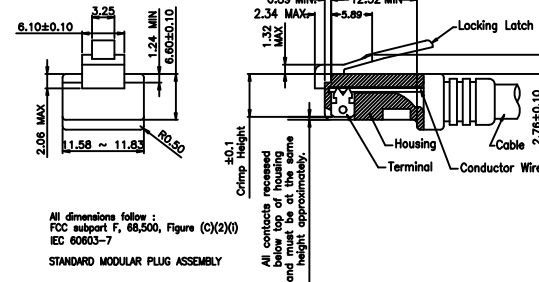
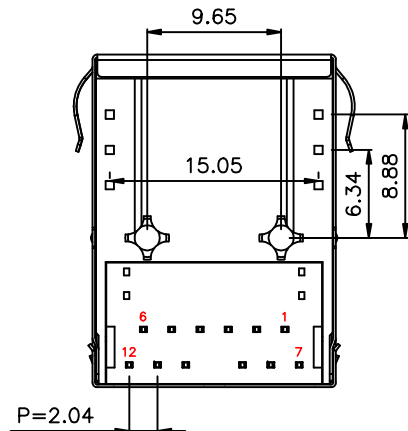
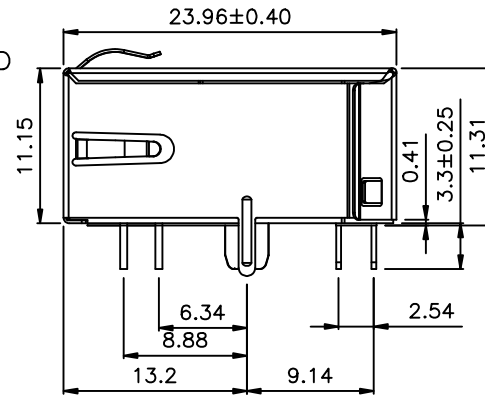
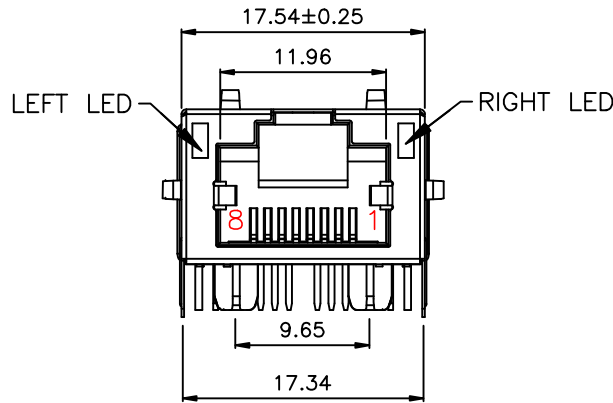
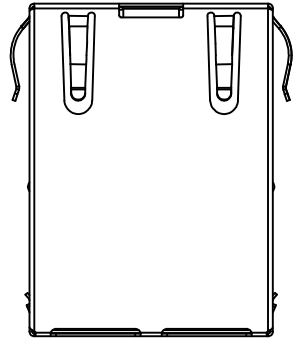


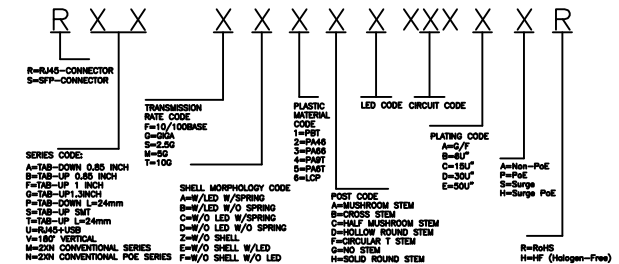
| REV | ECN NO | DESCRIPTION | DATE |
|-----|--------|-------------|-----------|
| A | / | New Drawing | 2025/4/29 |
| | | | |
| | | | |



- 1.THE PRODUCT IS ROHS COMPLIANT.
- 2.ALL DIMENSIONS FOLLOW :
-FCC SUBPART F, 68,500, FIGURE (C)(2)(I) & (C)(2)(II) & (C)(3)(I) IEC 60603-7
-ALL PLUGS MUST BE MEETING THE REQUIREMENTS OF PLUG GO & NO-GO GAUGE.
- 3.GAUGE FOLLOW : FCC SUBPART F, 68,500, FIGURE (C)(4)(I) & (C)(5)(I)
-THERE MUST BE NO DAMAGE TO HOUSING AND LOCKING LATCH.
-THERE MUST BE NO NICKS AND CUTS IN CABLE.
-DURABILITY : 750 CYCLES GENERALLY
- 4.PART CAN BE RECOMMENED FOR REFLOW SOLDERING PROCESS.
PEAK REFLOW SOLDERING TEMPERATURE IS 260°C MAX,10SECONDS MAX.
- 5.OPERATING TEMPERATURE:-40 TO +85°C;
- 6.STORAGE TEMPERATURE: -40 TO +85°C

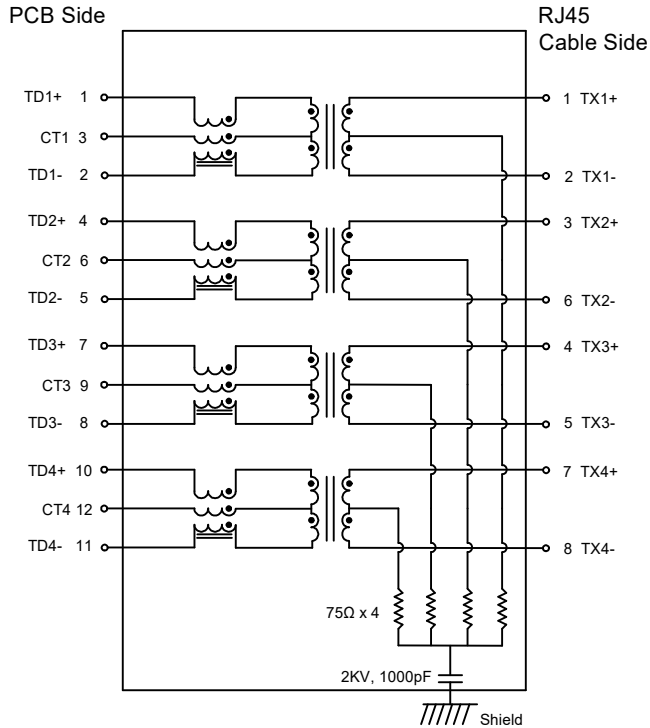
- 7.MATERIAL:
7.1 HOUSING: HIGH TEMPERATURE THERMOPLASTIC LCP.
FLAMMABILITY RATING ,UL 94V-0; COLOR:BLACK.
- 7.2 SHELL: BRASS C2680H, THICKNESS=0.20mm.PLATING NICKEL 30u"Min;
- 7.3 RJ TERMINAL: HIGH TEMPERATURE THERMOPLASTIC LCP,COLOR:BLACK;
UL 94V-0;
PIN:THICKNESS=0.30mm.PHOS-BRONZE C5210EH.
PLATING: 50u" MIN NICKEL UNDERPLATING ALL AREA.
100u" MIN TIN ON SOLDER TAIL.
30u" GOLD ON CONTACT AREA.
- 7.4 INPUT TERMINAL: HIGH TEMPERATURE THERMOPLASTIC LCP COLOR:BLACK;
PHY PIN:THICKNESS=0.30mm. BRASS C2680H.
LED PIN:THICKNESS=0.45mm. BRASS C2680H.
PLATING: 50u" MIN NICKEL UNDERPLATING ALL AREA.
100u" MIN TIN ON SOLDER TAIL.

8.CODING PRINCIPLES



| | | | |
|-------------|---------------|---|------------------|
| X. ± 0.40 | APPD: LH.WANG | 深圳市金航标电子有限公司 | |
| .X ± 0.30 | CHKD: LOUIS | PART NO: KH-RT1-GA6B1023DAR | |
| .XX ± 0.25 | DR: LIANG | TITLE: TAB UP 1X1Port 10/100/1000M BASE-T RJ45 JACK Magnetics | |
| .XXX ± 0.20 | UNITS: mm | REMARK: XXX-XXXX | |
| X' ± 3' | .X' ± 2' | SHEET: 1 OF 2 | REMARK: XXX-XXXX |
| UNITS: mm | SCALE: 1:1 | REV: A | DWG NO: RT1-0030 |
| | | | |

| REV | ECN NO | DESCRIPTION | DATE |
|-----|--------|-------------|-----------|
| A | / | New Drawing | 2025/4/29 |
| | | | |
| | | | |



D. ELECTRICAL SPECIFICATIONS @25°C

TRANSMITTER FILTER & RECEIVER FILTER

TYPE : BALANCE LOW PASS 100Ω IMPEDANCE

INSERTION LOSS : 1~120MHz -1.2dB MAX.

RETURN LOSS : 1~30MHz -18dB MIN. LOAD 100Ω
 30~60MHz -16dB MIN. LOAD 100Ω
 60~80MHz -12dB MIN. LOAD 100Ω
 80~100MHz -10dB MIN. LOAD 100Ω

COMMON MODE REJECTION
 @1~100 MHz -30dB MIN.

CROSS TALK
 @ 1~100MHz -30dB MIN.

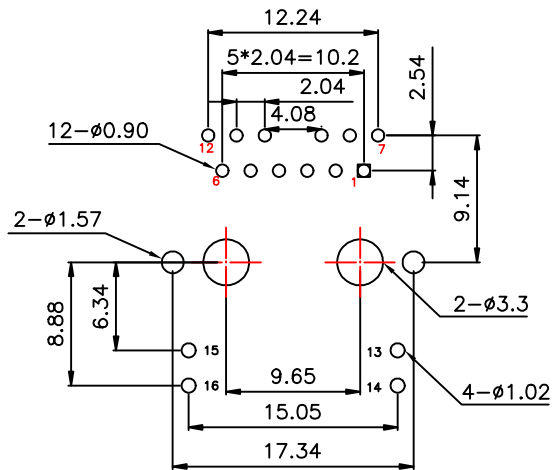
INDUCTANCE (OCL) @ 100KHz, 0.1V, 8mA DC BIAS 350 uH MIN

DCR:1.2 OHM MAX

HIPOT TEST

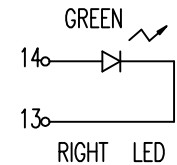
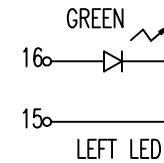
PHY SIDE(INPUT) TO CABLE SIDE(OUTPUT) : 1500Vrms 60S

C:PIN ASSIGNMENT FOR PCB LAYOUT



SUGGESTED PCB PAD LAYOUT
 COMPONENT SIDE VIEW

E:LED SPECIFICATION



| Emitting Color | λp (nm) | Vf @If=20mA | Ir @Vr=5V |
|----------------|---------|-------------|-----------|
| GREEN | 570 | 1.7 ~2.6 V | 10mA max |

| | | | |
|-------------|---------------|---|------------------|
| X. ± 0.40 | APPD: LH.WANG | 深圳市金航标电子有限公司 | |
| .X ± 0.30 | CHKD: LOUIS | PART NO: KH-RT1-GA6B1023DAR | |
| .XX ± 0.25 | DR: LIANG | TITLE: TAB UP 1X1Port 10/100/1000M BASE-T RJ45 JACK Magnetics | |
| .XXX ± 0.20 | | | |
| X' ± 3' | .X' ± 2' | | |
| UNITS: mm | | | |
| | SHEET: 2 OF 2 | REV: A | DWG NO: RT1-0030 |
| | SCALE: 1:1 | REMARK: XXX-XXXX | |