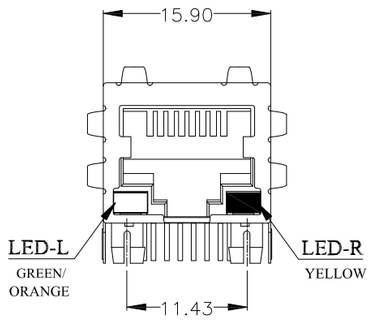
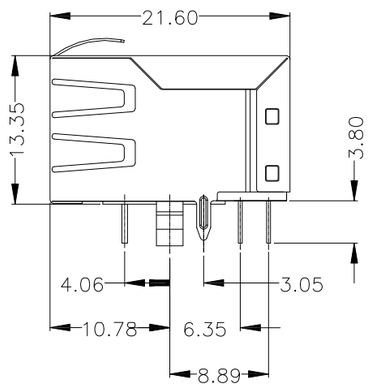
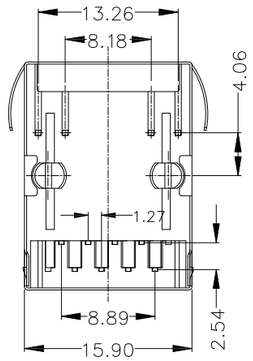
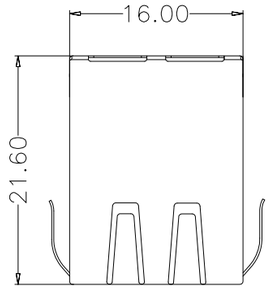



## Feature:

. Complies with IEEE standards and all Gigabit specifications including 350uH with 8mA DC bias

. Intergrated Mag-modular design provides higher reliability and conserves minimizing PCB space

. Housing: Thermoplastic PBT+30%GF UL94V0 rated

. Contact :Phosphor Bronze( C5191),Gold plated on contact area Fu"

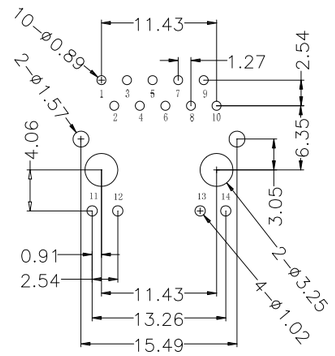
. Input Terminal : Brass(C2680)

. Metal shielding:Copper alloy with Nickel plated(C2680),

. Different color of LEDs option available

. Operating temperature: -40°C to +85°C

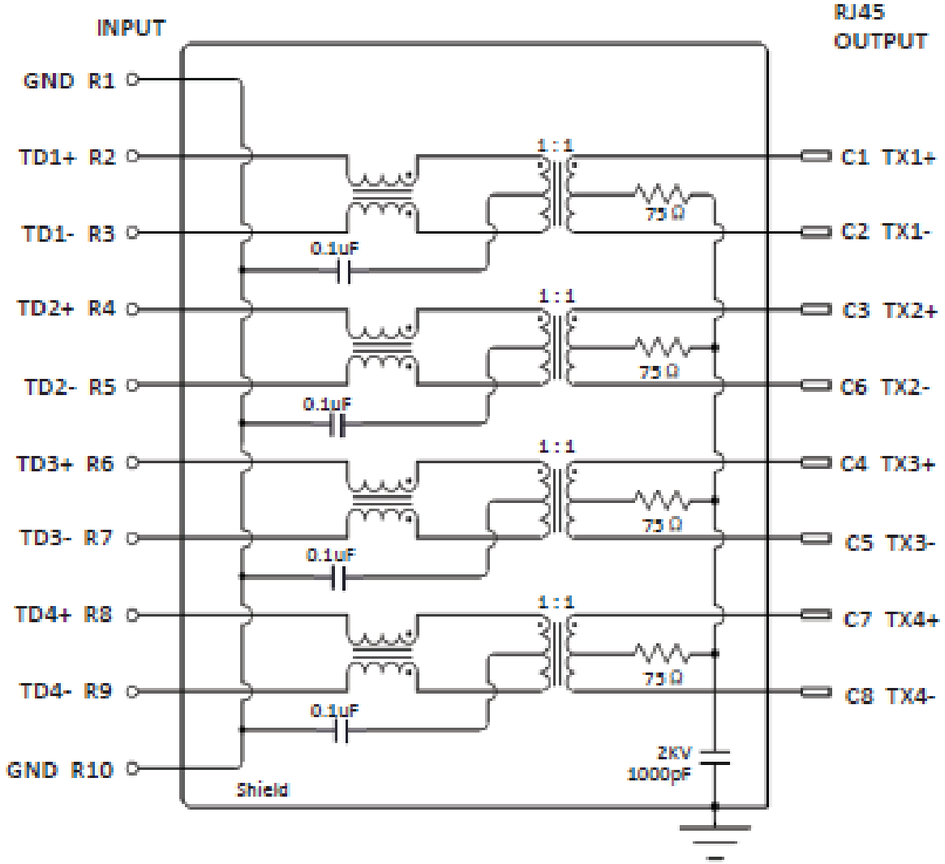
. Storage temperature: -40°C to +85°C




SUGGESTED PCB LAYOUT (TOP VIEW)

DIMENSIONAL TOLERANCE: .XX ±0.05[0.001]

## SCHEMATIC




**Electrical Specifications: (25 C)**

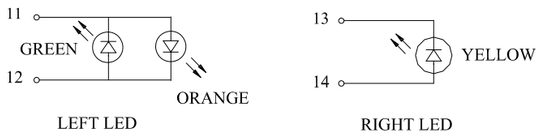
| Insertion Loss dB Max | Return Loss dB Min | | | Common Mode Rejection dB TYP | | Crosstalk dB TYP | Hi-Pot (VDC) |
|---|---|---|---|---|---|---|---|
| 1~100MHz | 1~30MHz | 60~80MHz | 80~100MHz | 1~100MHz | 150MHz | 1~100MHz | |
| -1.0 | -18.0 | -12.0 | -10.0 | -30.0 | -20.0 | -30.0 | 2250 |

**LED Specifications:**

| Standard LED Color | LED Wavelength | Forward (V Max) | Typical (V TYP) |
|---|---|---|---|
| Green | 560-580 nm | 2.5 | 2.1~2.2 |
| Yellow | 580-610 nm | 2.5 | 2.1~2.2 |
| Orange | 580-610 nm | 2.5 | 2.1~2.2 |

1. LED intensity/wavelength measured with Photo research PR-650 colormeter

2. With a forward Current of 20mA,absolute maximum ratings (Ta=25°)




RoHS Compliant

## ORDER INFORMATION

| A | M | J | 01 | 81 | 3 | XX | D | 1 | L | 6 | —129 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Layer A:Single | M:Bottom /Reverse | J:Jack | Port No. | 81:8P10C | 3:DIP RA | G1:G/F G4:15u" G5:30u" G6:3u" G7:6u" GB:50u" | P:Plastic E:Metal w/1 EMI D:Metal w/2 EMI Z:Metal w/o EMI | Filter 0:w/o Filter 1:w/Gigabyte 2:w/100/10 | LED Light L: Green Orange/Yellow | 6:13.35H | |

| REV. | REVISION RECORD | DATE |
|---|---|---|
| A | Original | 08/01/18" |
| B | Revised | 11/12/19" |
| | | |
| | | |
| | | |
| | | |

General Tolerance: LINEAR 0.0 ±0.25, 0.00 ±0.20; ANGLE ±3°

UNIT:mm

| | |
|---|---|
| A4 | NAME |
| APPROVED | KENNY |
| DESIGNER | JAMES |
| DRAWN | PONWHERE |

ARIBA TECHNOLOGY CO., LTD.

TITLE: Modular Jack 8P10C DIP Rihgt Angle with LED EMI 13.35H

DWG.NO: AMJ01813XXD1L6-129 REV. B

SCALE 1 : 1 SHEET 1 OF 1