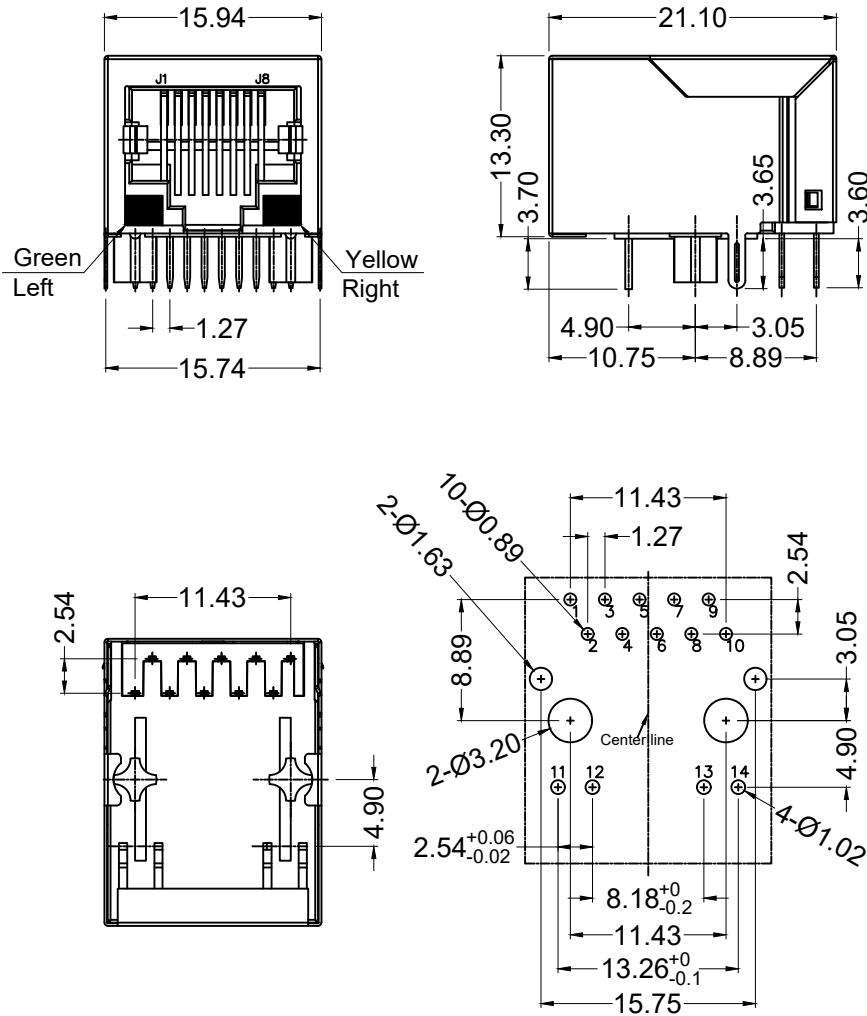
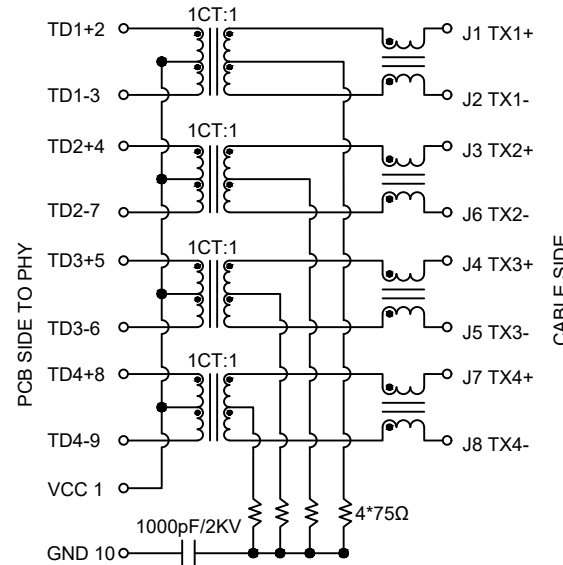
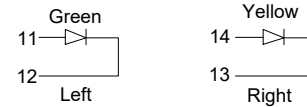




Recommended PCB Layout



SpecificationLED				
Standard LED Color	LED Wavelength	Foward(V MAX)	Typical(V TYP)	Luminous Intensity
Green	560-580nm	2.5v	2.1-2.2v	9-25 MCD
Yellow	580-610nm	2.5v	2.1-2.2v	9-30 MCD



- Housing: PBT Thermoplastic
UL 94V-0 Rated
Color: Black
- Shield: Brass, Nickel Plated
- Contact Material:
Phosphor Bronze
- Plating Options:
Standard: Nickel Underplating,
Gold Flash Plating on Contact Area,
Tin Plated on Solder Area
- 50 Option: Nickel Underplating,
Contact Area Plated with 50u" Gold
to Comply with ANSI/TIA-1096-A,
Tin Plated on Solder Area

Electrical Characteristics

- Insulation Resistance:
500 Megohms Min.
- Contact Resistance:
20 milliohms Max.
- Dielectric Withstanding Voltage:
2250V AC for 1 Minute

Mechanical Characteristics

- Durability Rating:
750 Mating Cycles Min.
- Mating Force:
30N Max.
- Operating Temperature:
-40°C to +85°C

ELECTRICAL PROPERTIES OF MAGNETICS:

Insertion Loss (dB Max)	Return Loss (dB Min)			Cross Talk (dB Min)			CMR (dB Min)	OCL (uH Min)
	1~30 MHz	30~60 MHz	60~80 MHz	1~30 MHz	30~60 MHz	60~100 MHz		
1~100 MHz	-16	-14	-10	-40	-35	-30	-35	@100 KHz & 100 mV, 8 mA
-1.0	-16	-14	-10	-40	-35	-30	-35	350

Part Number	Contact Area Plating Finish
G8LX-188S1-QQ-G/Y	Gold Flash (Standard)
G8LX-188S1-QQ-G/Y-50	50u" Gold (-50 option)

Tolerances
X.X ± 0.30
X.XX ± 0.25
Unless Stated Otherwise

RoHS COMPLIANT

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0.1	01/14/20	New Drawing	G. Serrato	D. Shehan	G. Serrato	01/14/20
A0.2	01/16/20	Assign Part Number	G. Serrato	D. Shehan		
A1	06/01/20	Release Drawing	G. Serrato	D. Shehan	mm	UNITS
A2	03/26/25	ECO #25-027	K.Wang	C.Kelleher		

G8LX-188S1-QQ-G/Y

Modular Jack w/Gigabit Magnetics,
Tab Down, LEDs, Right Angle, Through Hole

