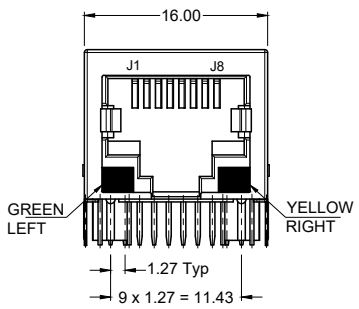
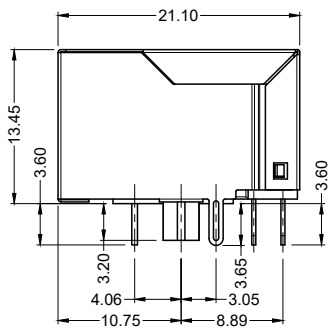
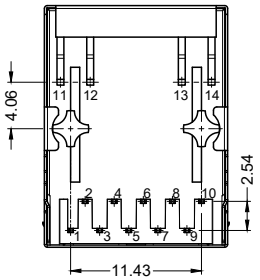
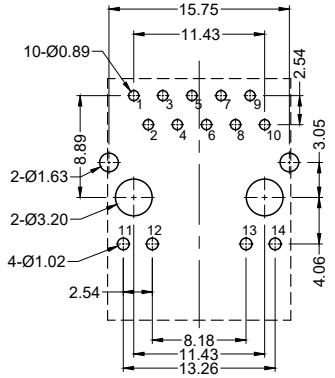
KYCON, Inc. 305 Digital Drive, Morgan Hill, CA 95037 (408)494-0330

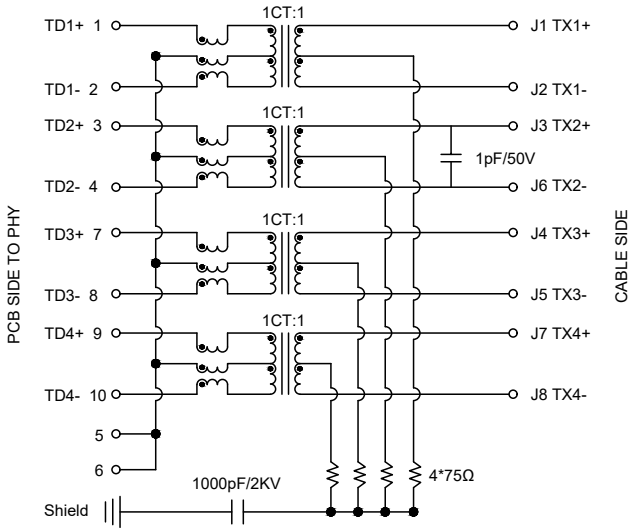






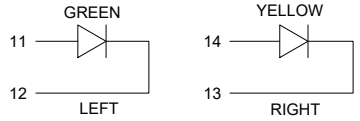


RECOMMENDED PCB LAYOUT



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



Materials and Finish

Housing: PBT Thermoplastic
UL 94V-0 Rated
Color: Black

Shield: Brass, Nickel Plated

Contact Material:
Phosphor Bronze

Plating :
Nickel Underplating,
15u" Gold Plating on Contact Area,
Tin Plated on Solder Area

Electrical Characteristics

Insulation Resistance:
500 Megohms Min.

Contact Resistance:
20 milliohms Max.

Dielectric Withstanding Voltage:
2250V DC for 1 Minute

Mechanical Characteristics

Durability Rating:
750 Mating Cycles Min.

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)
1~125 MHz	1~40 MHz	40~200 MHz	1~125 MHz	30~200 MHz	@100 KHz & 0.1 V
-1.0	-20	-20+15LOG$_{10}$(f/40MHz)	-30	-30	180

RoHS COMPLIANT

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

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY
A0.1	08/21/20	New Drawing	G. Serrato	D. Shehan
A1	12/15/20	Release Drawing	C. Kelleher	D. Shehan
A2	08/05/22	ECO #22-017	C. Kelleher	C. Furumasu
A3	03/26/25	ECO #25-027	K.Wang	C. Kelleher

DRAWN BY	DATE
G. Serrato	08/21/20
UNITS	
mm	

G15LX-110S-2.5G-G/Y-15

Right Angle Modular Jack Receptacle

w/2.5G Magnetics, Tab Down, Shielded, LEDs

KYCON