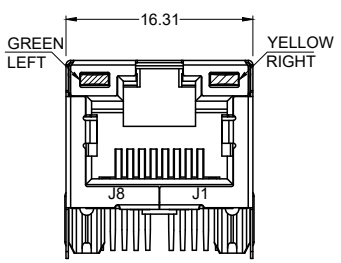
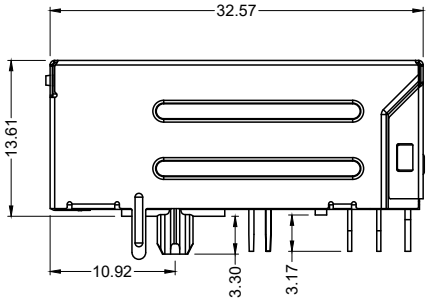
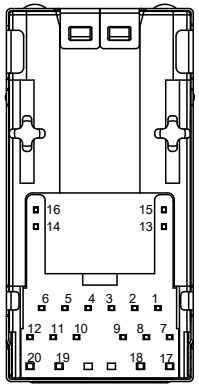
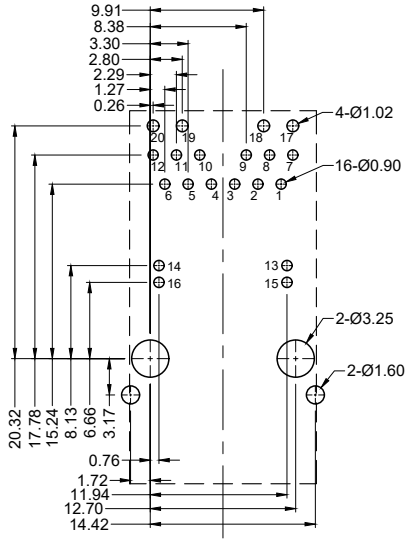
KYCON, Inc. 305 Digital Drive, Morgan Hill, CA 95037 (408)494-0330

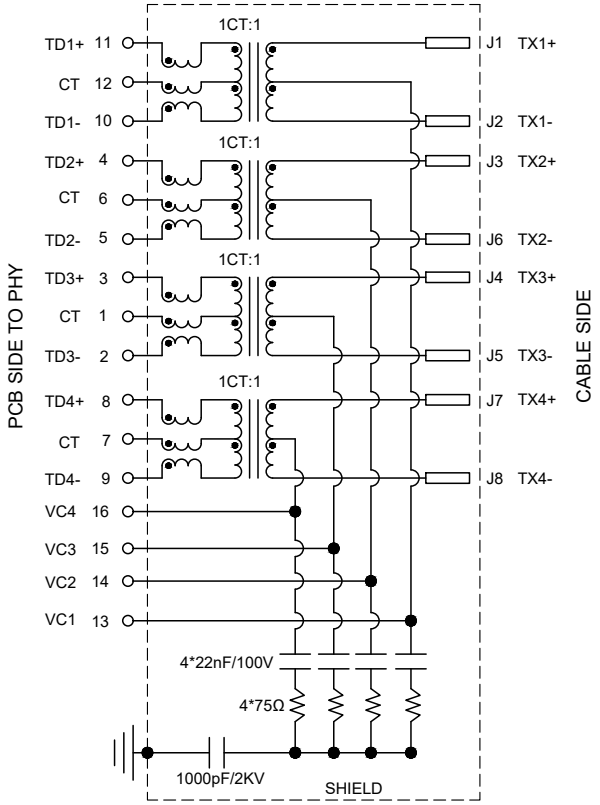








RECOMMENDED PCB LAYOUT



Materials and Finish

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

Shield: Brass, Nickel Plated

Contact Material:
Phosphor Bronze

Plating :
Nickel Underplating,
50u" Gold Plating on Contact Area,
Tin Plated on Solder Area

Electrical Characteristics

IEEE 802.3bt Rated: 57VDC
720mA per wire pair

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.

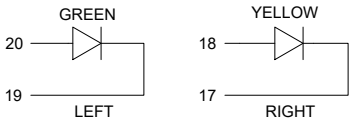
Operating Temperature:
-40°C to +85°C

ELECTRICAL PROPERTIES OF MAGNETICS:

Insertion Loss (dB Max)			Return Loss (dB Min)		Cross Talk (dB Min)	CMR (dB Min)			OCL (uH Min)
1~50 MHz	50~125MHz	125~250MHz	1~40 MHz	40~250 MHz	1~250 MHz	1~40 MHz	40~100MHz	100~500MHz	@100 KHz & 0.1 V
-0.5	-1.2	-2	-16	$-16+10LOG_{10}(f/40MHz)$	-30	-30	-28	-26	120

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



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	03/15/21	Release Drawing	C. Kelleher	N/A
A2	03/26/25	ECO #25-027	K.Wang	C. Kelleher

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

G16LX-112S-5G-GY-50

Right Angle Modular Jack w/5G Magnetics & POE++, Tab Up, Shielded, LEDs

KYCON