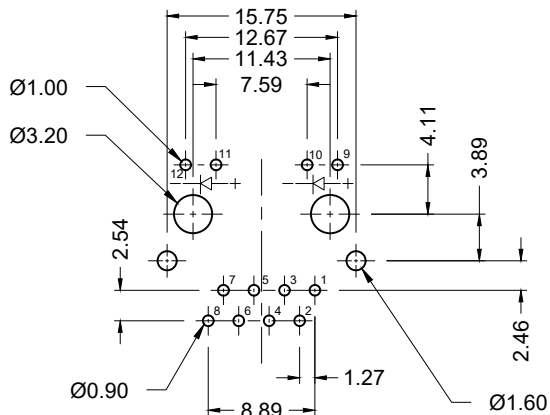
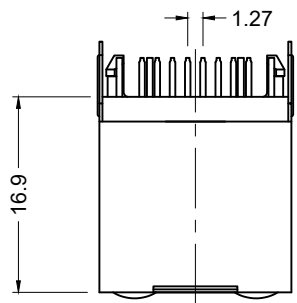
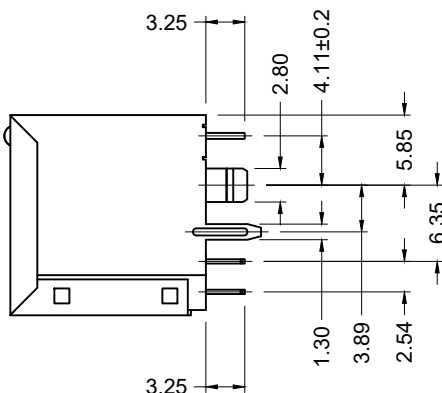
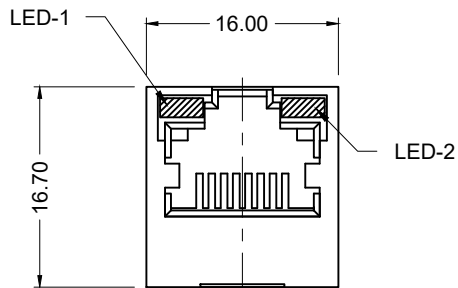




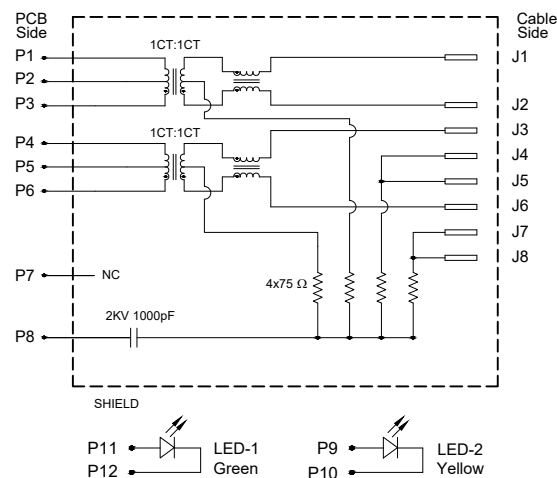
Recommended PCB Layout
(Top View)



Electrical Properties:

Insertion Loss (dB Typ)	Return Loss at 100Ω (dB Min)		Cross Talk (dB Min)	CMR (dB Min)
1~100MHz	1~30MHz	60~80MHz	1~100MHz	30~100MHz
-1.1	-18	-12	-30	-35

Magnetics Schematic



Materials and Finish

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

Shield: Copper Alloy, Nickel Plated

Contact Material:
Phosphor Bronze

Plating Options:

Standard: Nickel Underplating,
Gold Flash Plating on Contact Area
and Signal Pin Solder Tails,
Tin Plated on LED Solder Tails

50 Option: Nickel Underplating,
Contact Area Plated with 50u" Gold
to Comply with ANSI/TIA-1096-A, Gold
Flash Plating on Signal Pin Solder Tails,
Tin Plated on LED Solder Tails

Electrical Characteristics

Insulation Resistance:
500 Megohms Min.

Contact Resistance:
20 milliohms Max.

Dielectric Withstanding Voltage:
Pin to Pin: 1,000V AC for 1 Minute
Pins to Shield: 1,500V AC for 1 Minute

Mechanical Characteristics

Durability Rating:
500 Mating Cycles Min.
Operating Temperature:
-40°C to +85°C

Part Number	Contact Area Plating Finish
G3LX-188S1-FF-GY1	Gold Flash (Standard)
G3LX-188S1-FF-GY1-50	50u" Gold (50 Option)

Tolerances
X.X ± 0.35 X.XX ± 0.25 Unless Stated Otherwise

RoHS COMPLIANT

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A0	07/28/14	New Drawing	W. Cook	P. DalCanto	W. Cook	05/13/14
A1	07/30/14	Release Drawing	C. Kelleher	N/A		
A2	02/12/15	ECO #15-016	D. Gih	H. MA		
A3	04/17/15	Update Operating Temp.	W. Cook	C. Furumasa		
A4	08/03/16	Update Address	D. Shehan	D. Shehan		
A5	09/25/26	ECO #26-031	K.Wang	C.Kelleher		

G3LX-188S1-FF-GY1

8P8C ModJack, Vertical, Shielded
w/LED, Magnetics, RoHS Compliant

