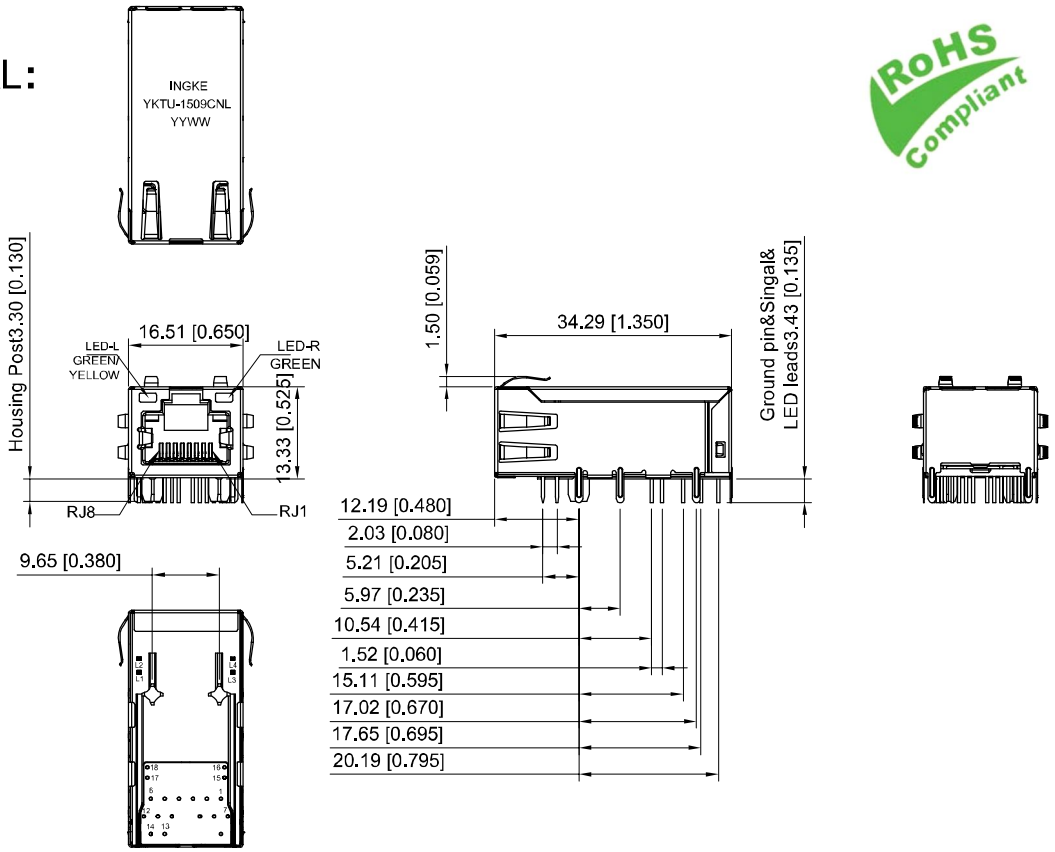
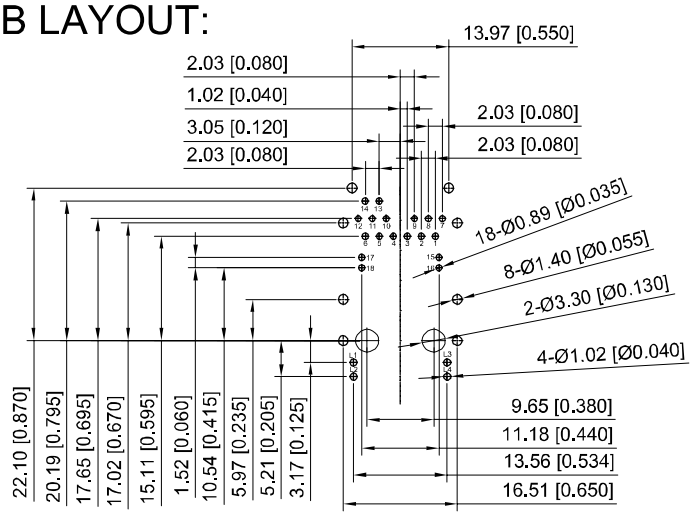
1.MECHANICAL:



a. Units:mm/inch.
b. Unless otherwise specified all tolerances are:±0.25[0.010]
c. Pin length don't include solder point

2.SUGGESTED PCB LAYOUT:

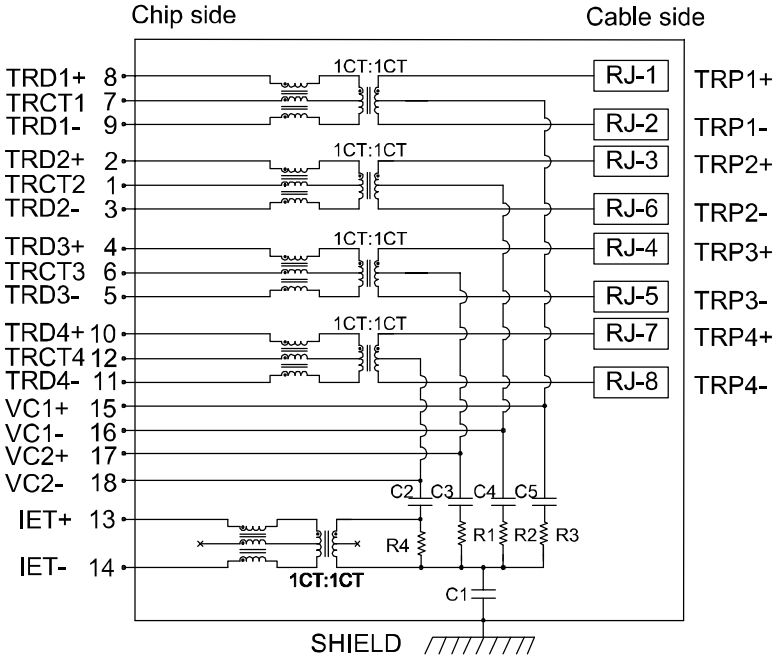


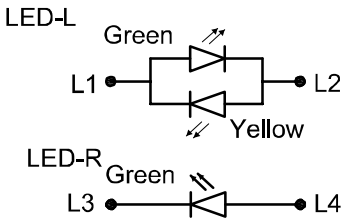
Top View Customer Board (COMP Side)

a. Units:mm/inch.
b. Unless otherwise specified all tolerances are:±0.05[0.002]

Materials and Finish:
2.1 Housing: LCP,BK, Flammability Rating 94V-0.
2.2 Insert Base: LCP,BK, Flammability Rating 94V-0.
2.3 Shell: Brass, nickel plating.
2.4 Mold Jack Contacts: Phosphor Bronze, 50u"Gold Plated .
2.5 LED: Diffused Epoxy Lens, 0.5x0.5mm Carbon Steel wireframe leads.

3.SCHEMATIC:





Note:
R1-R3=75 OHMS, Resistors.
R4=300 OHMS, Resistors.
C1=2KV 1000pF, Capacitor.
C2-C5=100V 22nF, Capacitor.
LED is with constant current at approx 20mA.
LED color:
Dominant wavelength(λD): Green=565nm TYP. at IF=20mA;
forward voltage(VF): Green 2.2V TYP,at IF=20mA;
Dominant wavelength(λD): Yellow=585nm TYP. at IF=20mA;
forward voltage(VF): Yellow 2.1V TYP,at IF=20mA;
Balanced DC line current
600 mA Max@57VDC Continuous
720 mA Max@57VDC for 200 milliseconds

4. ELECTRICAL SPECIFICATION @ 25℃

Item	Specification	Test Condition
Application	10G BASE-T & PoE Plus	
Inductance	180μH Min	100KHz 0.1V Bias @ 0℃ to +70℃
Leakage Inductance	0.3μH Max	100KHz 0.1V
DC Resistance	1.5Ω Max	
Turns Ratio	1CT:1CT (All Four Pairs)	100KHz 0.1V
Insertion Loss	-3.0 dB Min	1-500 MHz
Return Loss	-22dB Max	1-100 MHz
	-22+18.27log(f/100)dB Max	100-500 MHz
Cross Talk	-28dB Max	1-100 MHz
	-19dB Max	100-500 MHz
Isolation Hi-pot: (Complies with IEEE 802.3 isolation requirements)	1mA Max	2250VDC
Operating Temperature	0℃ to +70℃	