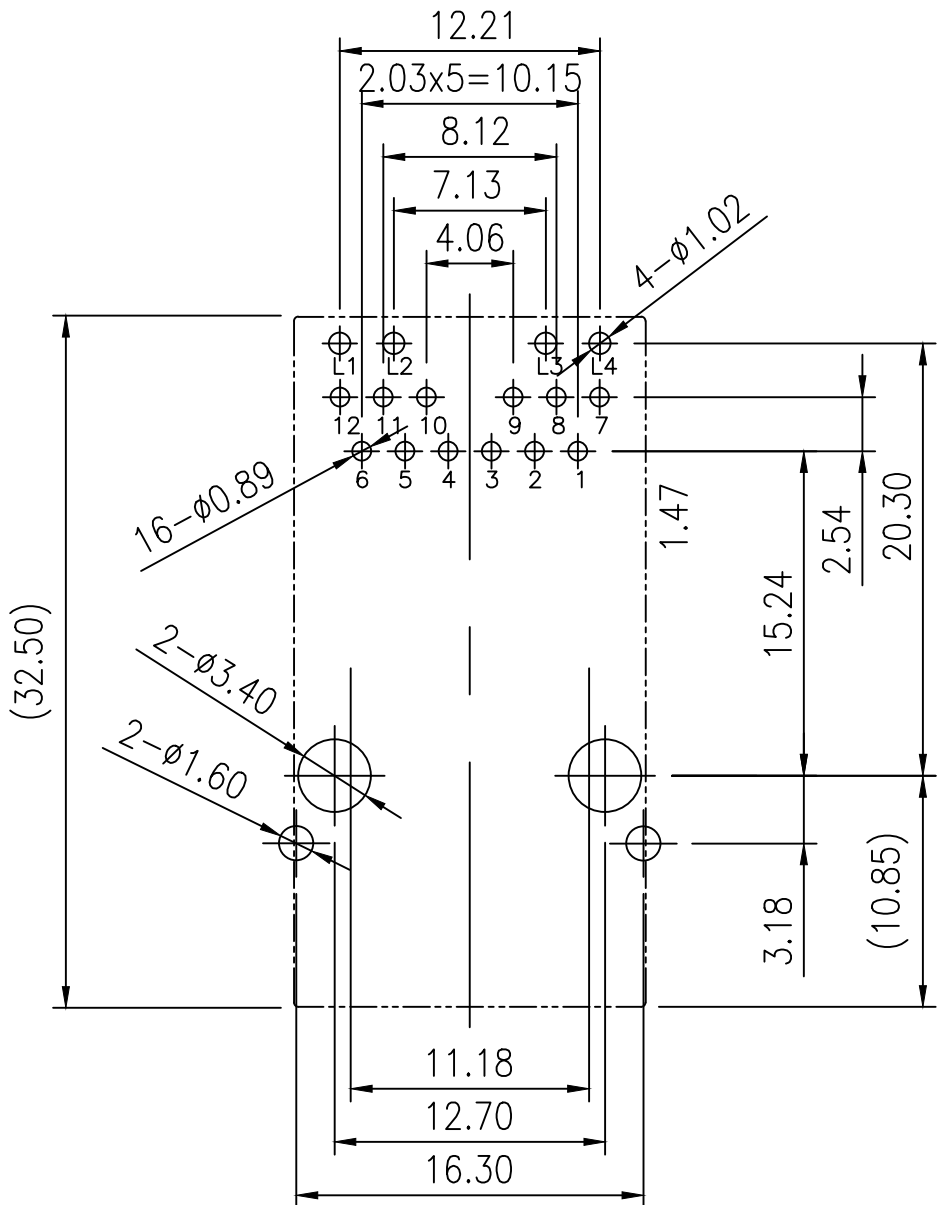
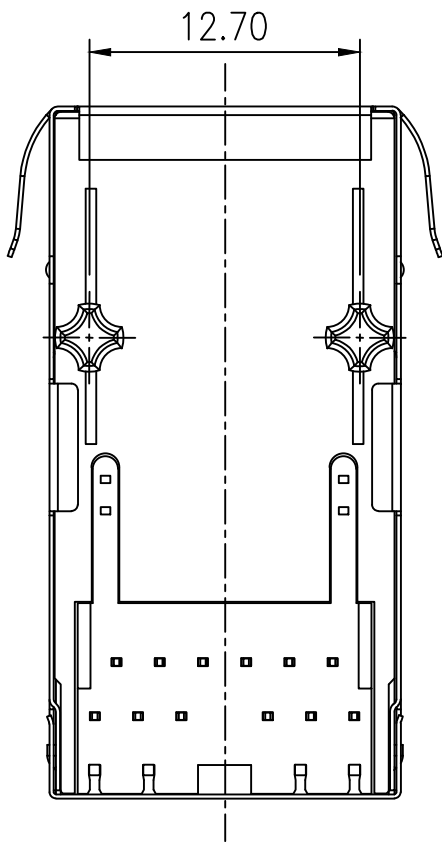
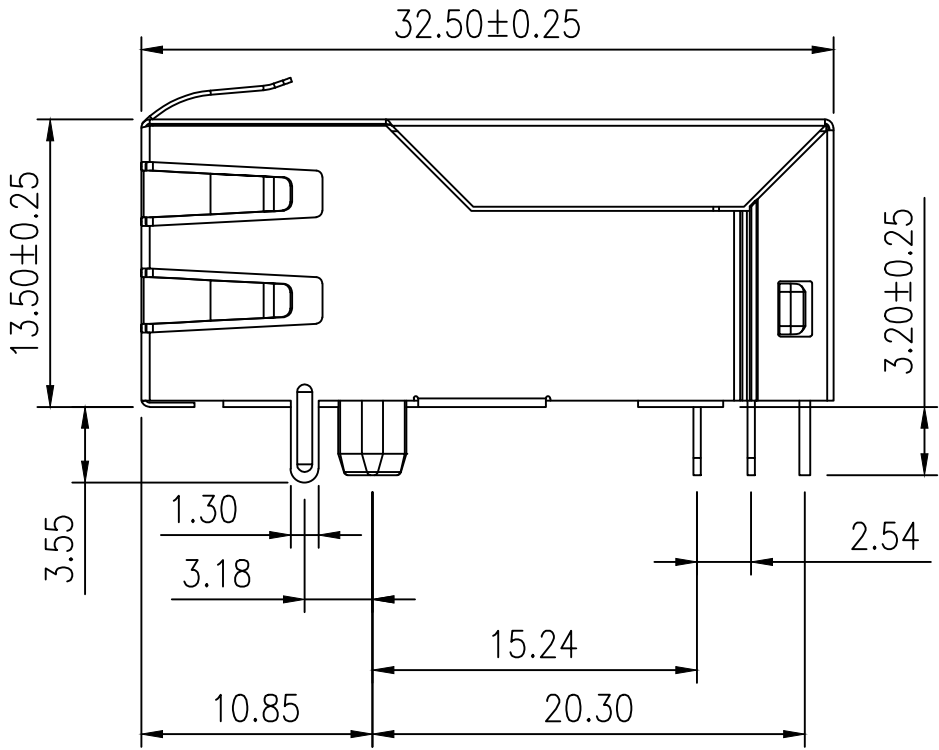
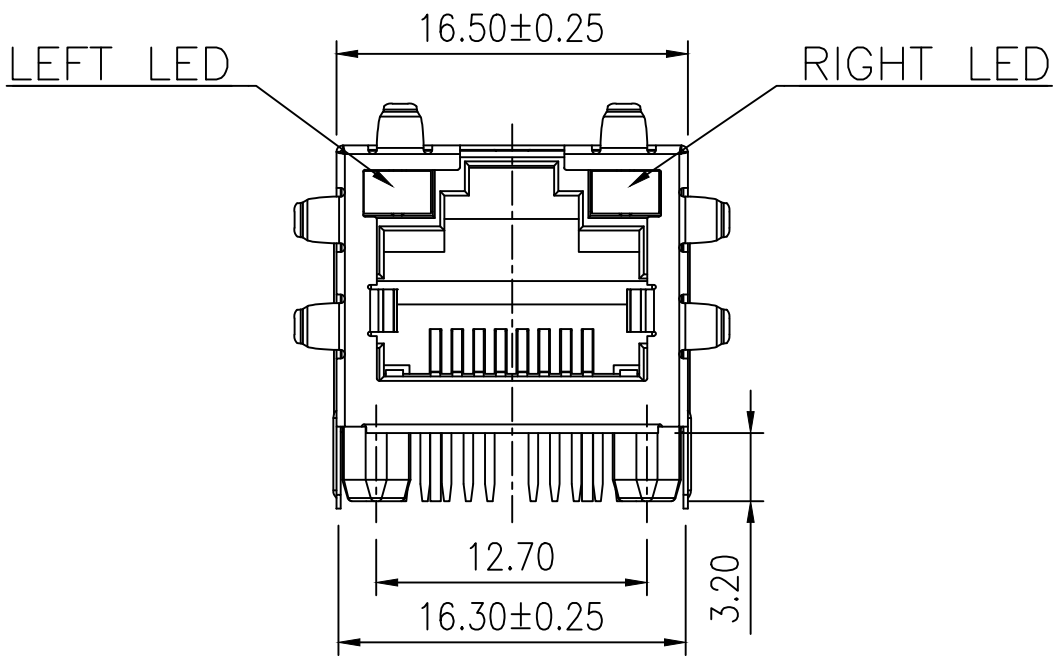


RoHS Compliant

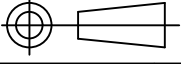
Mechanical:



Suggested PCB Layout
All dim. tolerance are ±0.05mm.

NOTE:

1. Shielded – 0.20mm Thickness Copper alloy Brass H65Y.
Plating Nickel 20u”Min.
2. Housing– Standard Material PBT,Glass Filled Polyester UL94V–0
Standard Color Black.
3. RJ Terminal– Plastic:PBT, UL94V–0, Standard Color Black.
Pin:0.35mm Thickness Phosphor Bonze C5210R–EH.
Plating:Nickel 40u”~60u” for all and Sn 100%,and Gold Plating.
4. Input Terminal– Plastic:PBT,UL94V–0, Standard Color Black.
Pin:0.35mm Thickness Brass C2680R–H.
Plating:Nickel 40u”~60u” for all and Sn 100%.

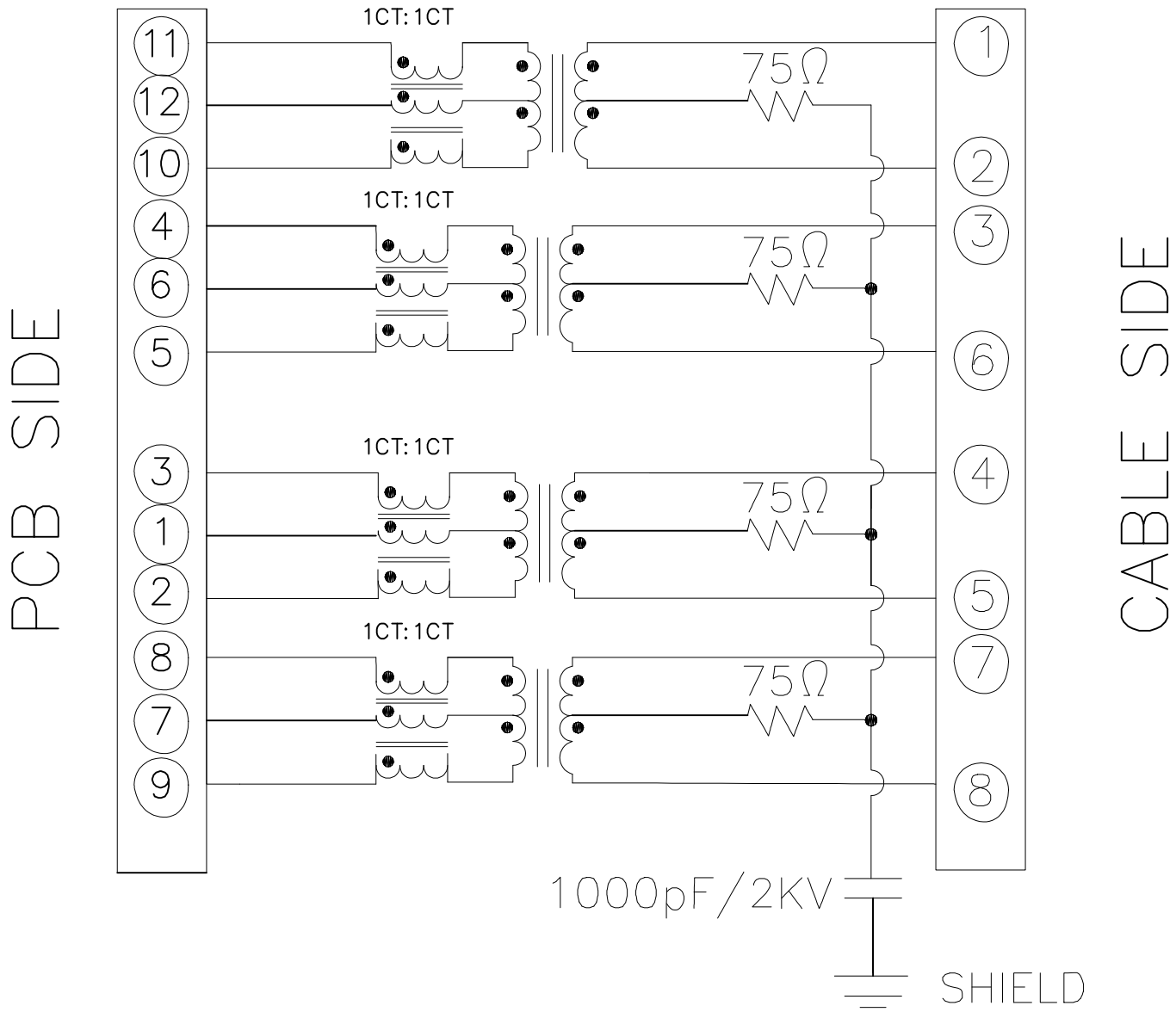
QC :Inspection Item	DIMENSION IN mm [Inch]		ELLAX CORPORATION			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE			
	.X± 0.38	X.°± 2.0°	RJ45 1X1 10G Base–T W/LED			
	.XX± 0.20	.X°± 1.0°	DRAWING NUMBER			
	.XXX± 0.10		431T08J7HA3			
APPROVE Corey 2019,12,13		CHECK Oliver 2019,12,13		DRAW YJ 2019,12,13		PROJ. 
				SHEET X OF Y		
				SCALE RATIO	SIZE A3	REV B

RoHS Compliant

REV	MODIFICATION	DATE	DRAW	APPROVE

Schematic:

Type T08

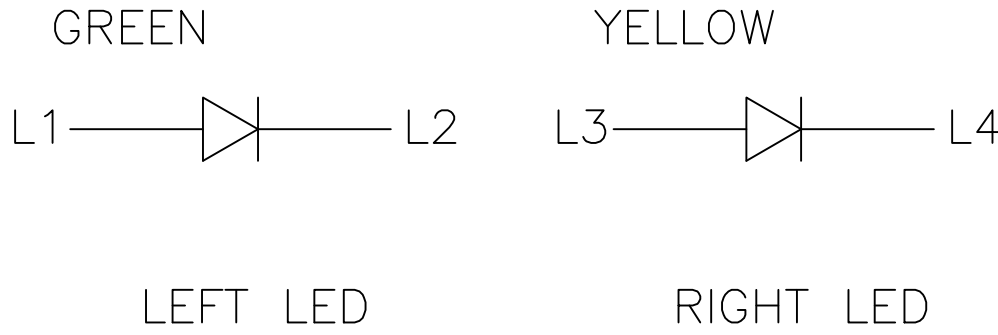


ELECTRICAL SPECIFICATIONS@25 °C

Turn Ratio(±2%): 1:1
INSERTION LOSS (1–400MHz): –2.0dB MAX.
Return Loss (dB MIN): –22dB(1–40MHz)
–22+18.27LOG(F/100MHz)dB (40–500MHz),
Cross talk (dB MIN):
–30dB (1–100MHz), –20dB (100–500MHz)
CMR(dB MIN):
–35dB (1–100MHz), –30dB (100M–300MHz), –25dB (300M–500MHz)
CDMR(dB MIN):
–30dB (1–250MHz), –22dB (250–500MHz)
HI–POT TEST: 1500Vrms/1.0mA/3Sec.
PRIMARY INDUCTANCE: 120uH MIN @100KHz/0.1V
RoHS compliance:YES

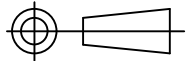
Part Number:
431T08J7HA3

Plating:
3:Gold 30 u”
LED CODE
Industrial operation temp.
Locate: front of tab 3.18
With EMI fingers.
Transformer Type.
Series No.



Code	RJ45 Plating				LED Code			
	Contact area	Solder tail	Under plating		Left LED		Right LED	
F	3u” gold	100u” Tin Min.	40u” Nickel Min.	A	Green	–	Yellow	–
1	6u” gold			B	Yellow	–	Green	–
2	15u” gold			C0	–	Green	–	Green
3	30u” gold			D	–	Green	–	Yellow
4	50u” gold			E	–	Yellow	–	Green
				F	Yellow	–	Orange	Green
				I	Green	Orange	Yellow	–
				0	–	–	–	–

Part Number:
XXX XXX XX X X X
① Series No.
② Transformer Type.
③ Shield Type.
④ R=Standard operation temp.(0°C to +70°C)
H=Industrial operation temp.(–40°C to +85°C)
⑤ LED Code:See left table.
⑥ RJ45 Plating

QC : Inspection Item	DIMENSION IN mm [Inch]		ELLAX CORPORATION			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE			
	.X± 0.38	X.°± 2.0°	RJ45 1X1 10G Base-T W/LED			
	.XX± 0.20	.X°± 1.0°	DRAWING NUMBER			
	.XXX± 0.10		431T08J7HA3			
	APPROVE	CHECK	DRAW	PROJ.	SHEET X OF Y	
	WP 2019,12,13	Oliver 2019,12,13	YJ 2019,12,13			
			SCALE	RATIO	SIZE	REV
					A3	B