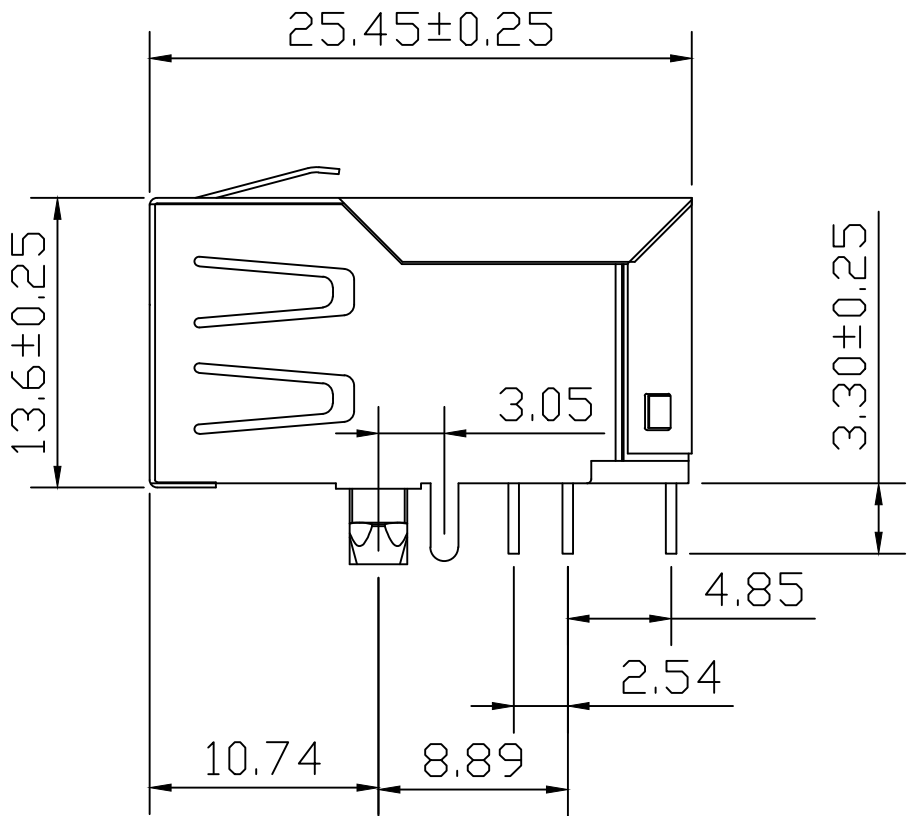
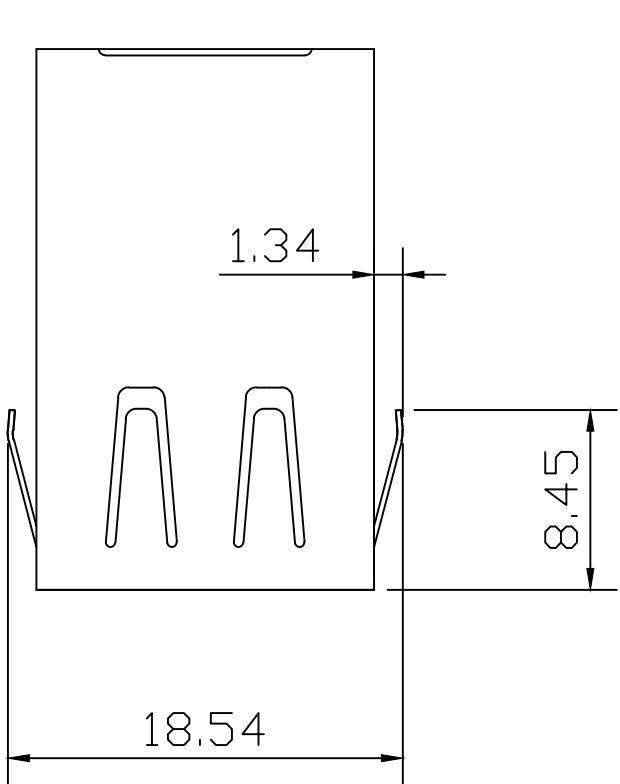
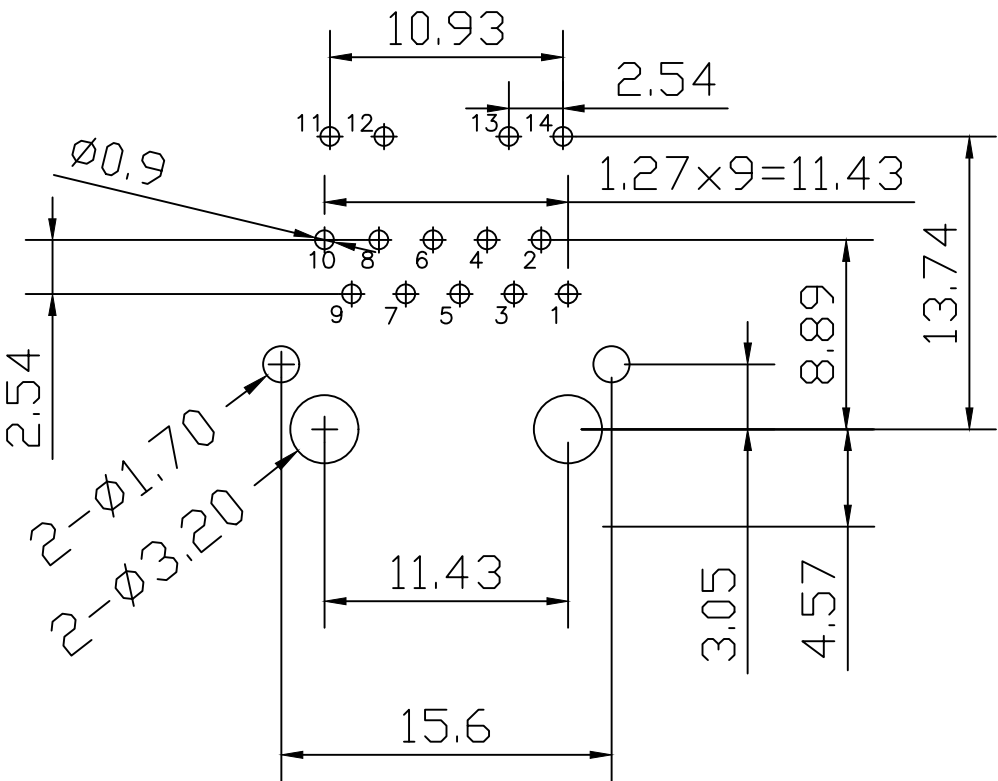
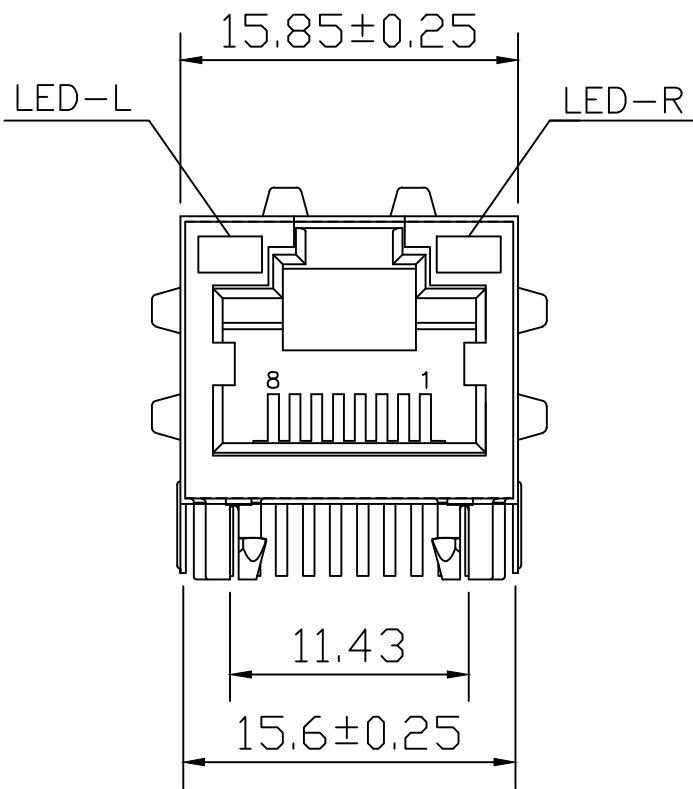


RoHS Compliant

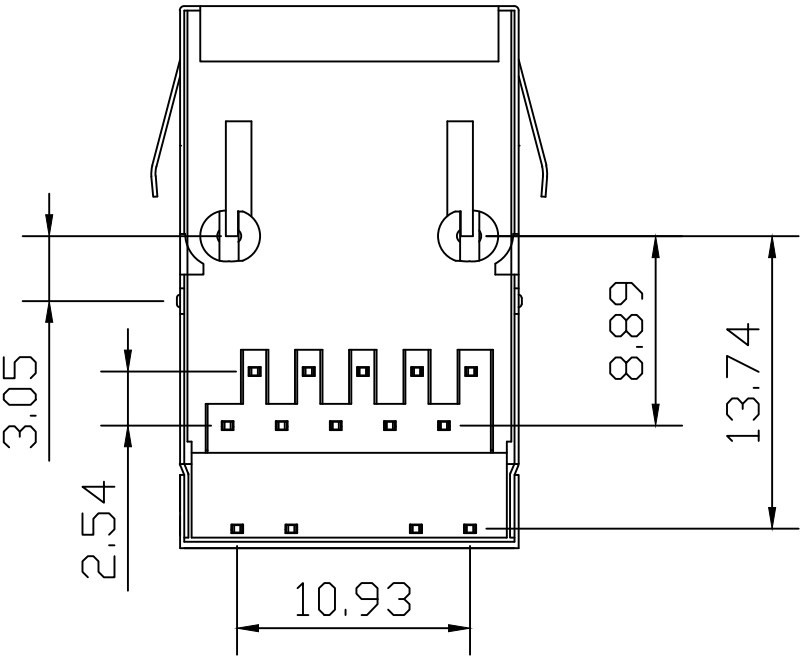
Mechanical:



NOTE:



PCB Layout



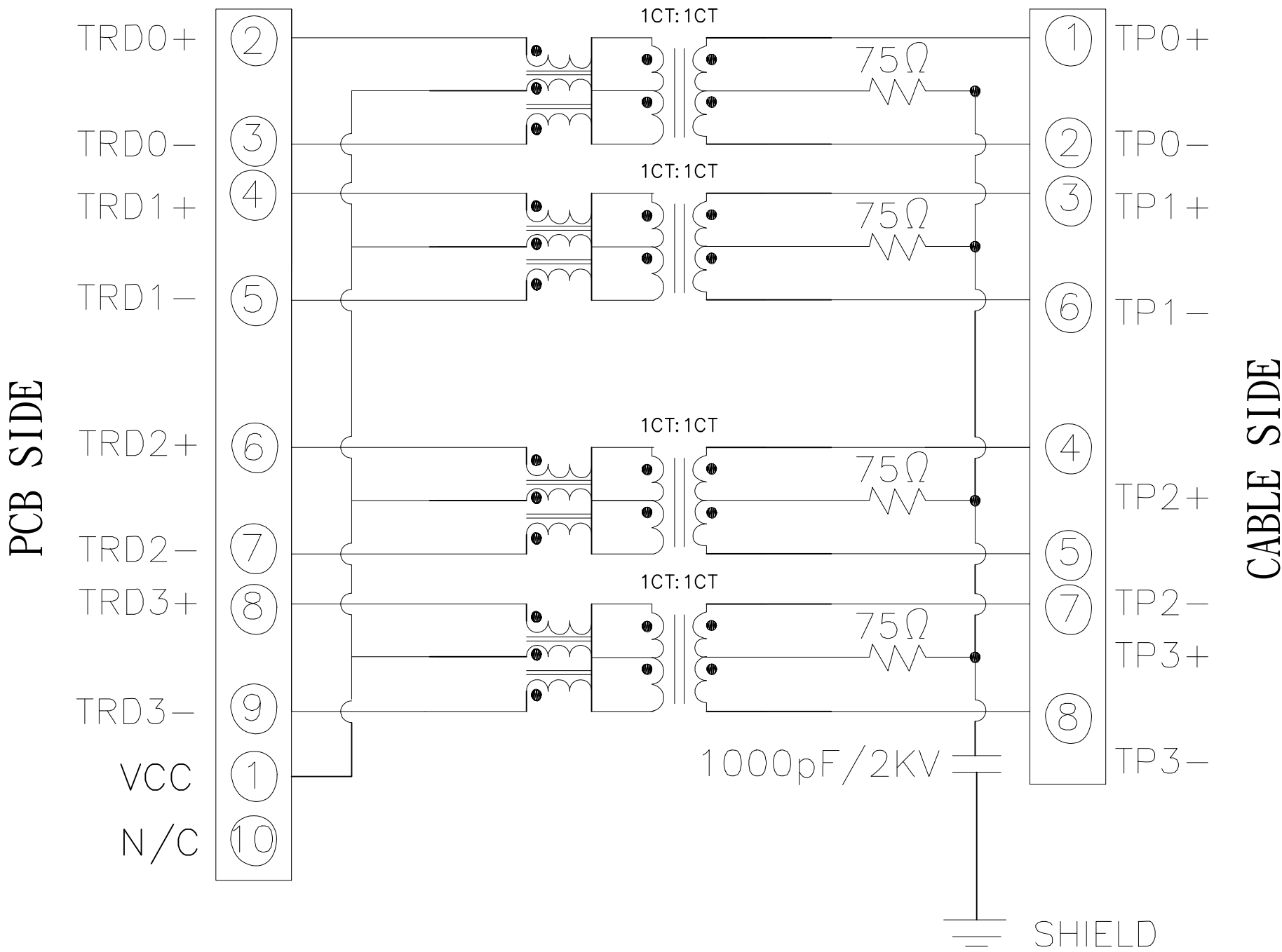
- 1.Shielded - 0.20mm THICKNESS BRASS C2680 H. PLATING NICKEL 20u"Min.
- 2.Housing- Standard Material Nylon66,Glass Filled Polyester UL94V-0 Standed Color Black.
- 3.RJ Terminal- Plastic:Nylon66, UL94V-0,Standard Color Black. Pin:0.35mm Thickness Phos-Bronze C5210 EH. Plating:Nickel40u"~60u" for all and Sn 100% ,and Gold Plating.
- 4.Input Terminal- Nylon66,Glass Filled,UL94V-0, Standard Color Black. Pin:0.35mm SUS430. Plating:Nickel40u"~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°		1x1 Tab up 10G Base-T			
	.XX± 0.20 ,X°± 1.0°		DRAWING NUMBER			
	.XXX± 0.10		471T02J4RA3			
APPROVE Corey 2018,10,04	CHECK Alen 2018,10,04		DRAW KONGLEI 2018,10,04	PROJ.	SHEET X OF Y	
				SCALE RATIO	SIZE A3	REV P1

RoHS Compliant

Schematic:

Type T02



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			C	Green	-	Green
3	30u" gold			D	-	Green	Yellow
4	50u" gold			E	-	Yellow	Green
				F	Yellow	-	Orange
				G	Orange	Green	Yellow
				L	Yellow	-	Green
				0	-	-	Orange

Part Number:

xxx xxx xx x x x

① ② ③ ④ ⑤ ⑥

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

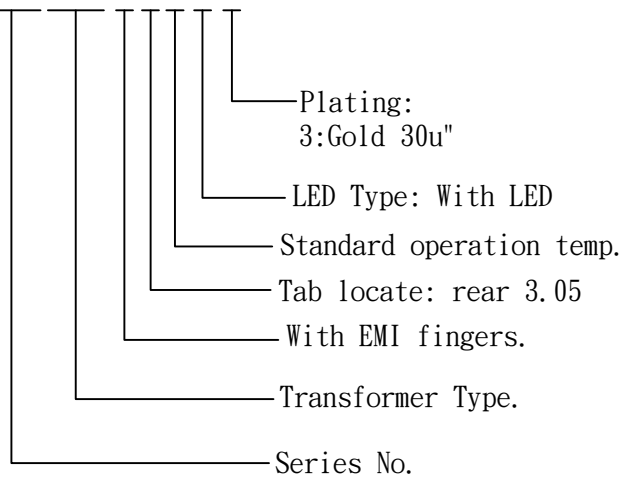
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

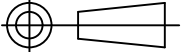
PARAMETER	SPECIFICATIONS			
OPERATING TEMPERATURE	0 °C TO +70 °C			
TURNS RATIO	1.00 ± 2%			
POLARITY	PER SCHEMATIC			
INSERTION LOSS (SDD21&SDD12)	1-65MHz	65-125MHz	125-400MHz	400-500MHz
	-0.8dB MAX	-1.0dB MAX	-2.5dB MAX	-3.5dB MAX
PHY-SIDE RETURN LOSS (SDD11-Zref=100 OHMS ± 1%) (SDD22-Zref=100 OHMS ± 1%)	1-40MHz	40-400MHz	300-500MHz	
	-18dB MIN	-18+10*LOG(f/40)dB MIN	-8+30*LOG(f/400)dB MIN	
INDUCTANCE (OCL)	120 uH MIN @ 100KHz, 100mV			
CROSSTALK, ADJACENT CHANNELS (SDD21-ADJ.)	1-100MHz		100-500MHz	
	-30dB MIN		-20dB MIN	
COMMON MODE REJECTION RATIO (SCC21)	1-100MHz	100-300MHz	300-500MHz	
	-30dB MIN	-22dB MIN	-17dB MIN	
COMM. TO DIFF REJECTION RATIO (SDC12)	1-100MHz	100-300MHz	300-500MHz	
	-32dB MIN	-27dB MIN	-22dB MIN	
PCB SIDE-CABLE SIDE ISOLATION	2250 VDC FOR 60 SECONDS			

NOTE: f IS FREQUENCY IN MHZ.

Part Number:

471T02J4RA3



QC Inspection Item	DIMENSION IN mm [Inch]		ELLAX CORPORATION								
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE								
	.X ± 0.38	X. ° ± 2.0°	1x1 Tab up 10G Base-T								
	.XX ± 0.20	.X ° ± 1.0°	DRAWING NUMBER								
	.XXX ± 0.10		471T02J4RA3								
	APPROVE	CHECK	DRAW	PROJ.		SHEET X	OF Y				
Corey 2018,10,04		Alen 2018,10,04		KONGLEI 2018,10,04		SCALE	RATIO	SIZE	A3	REV	P1