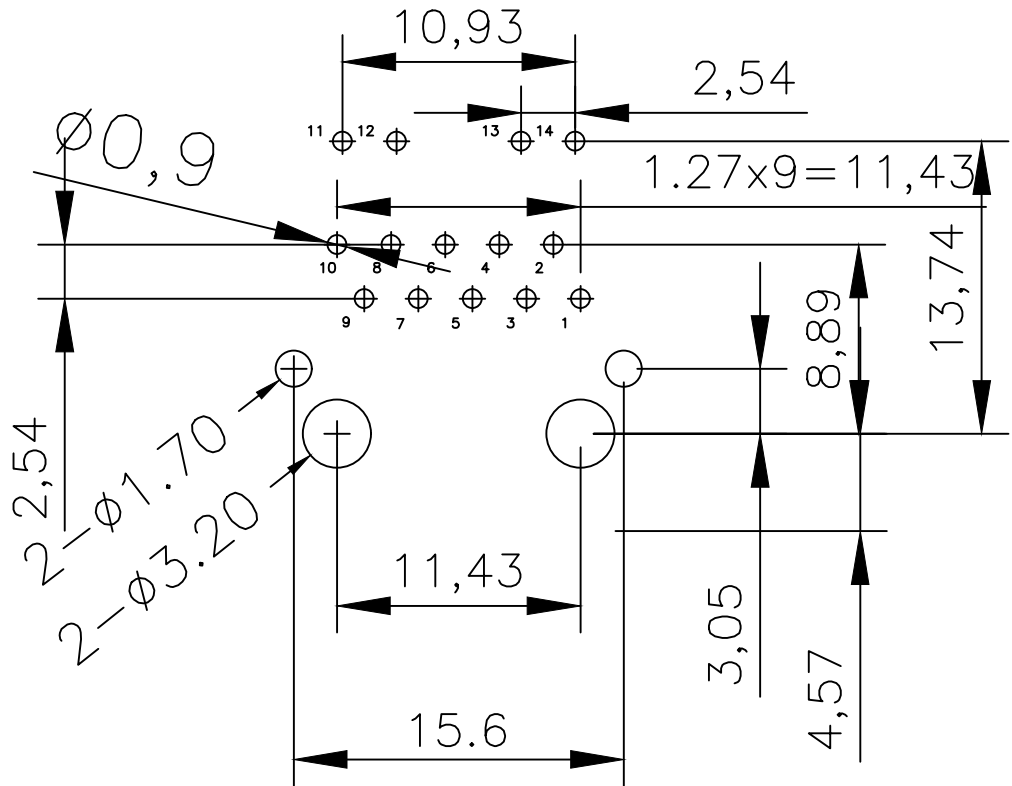
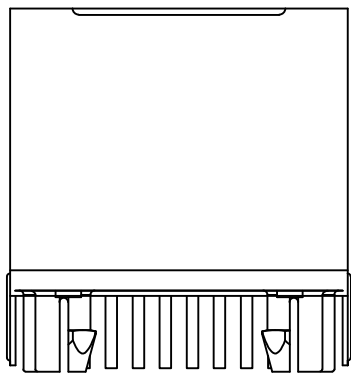
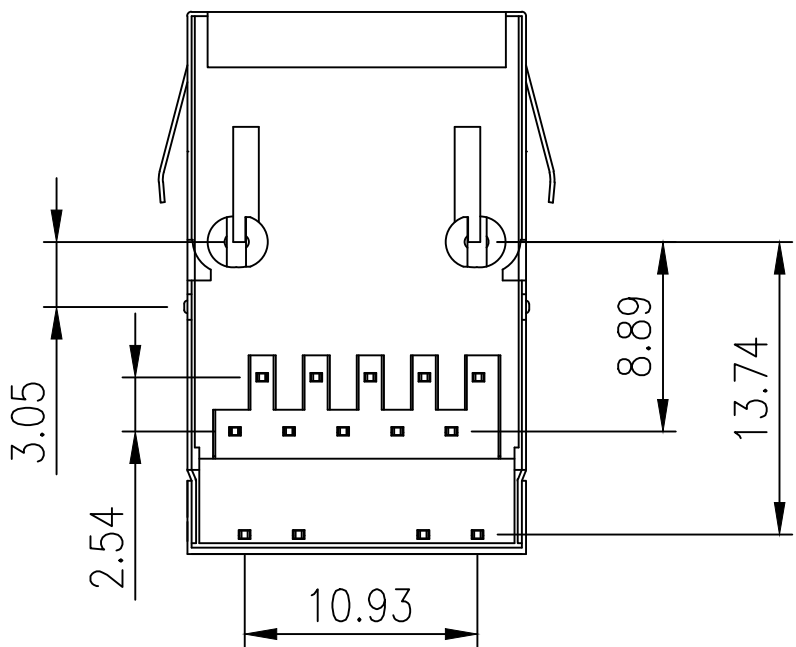
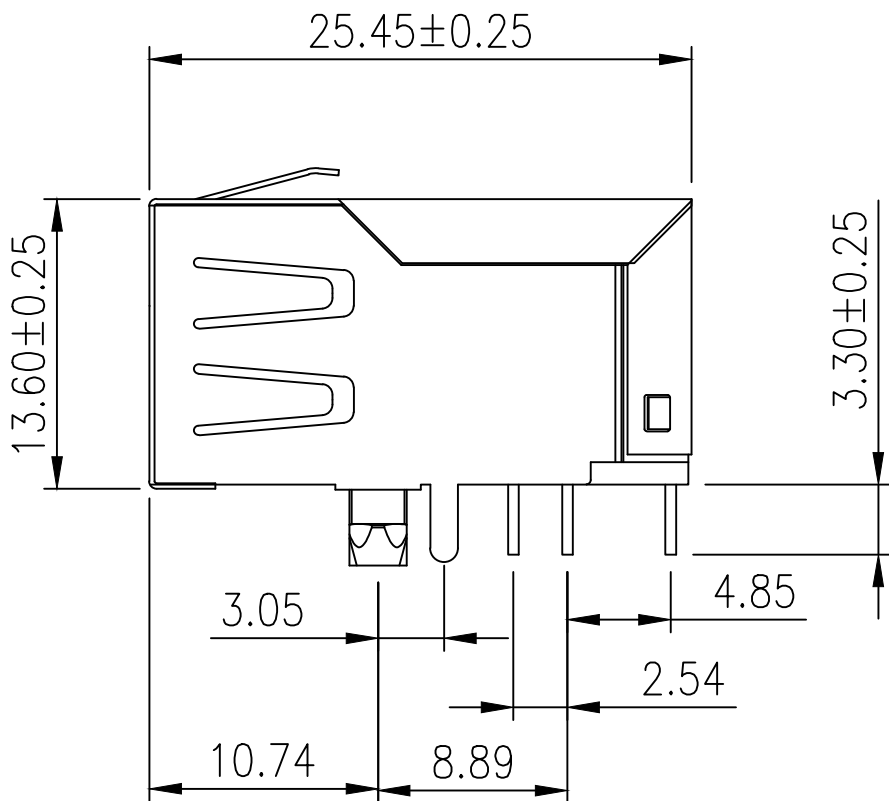
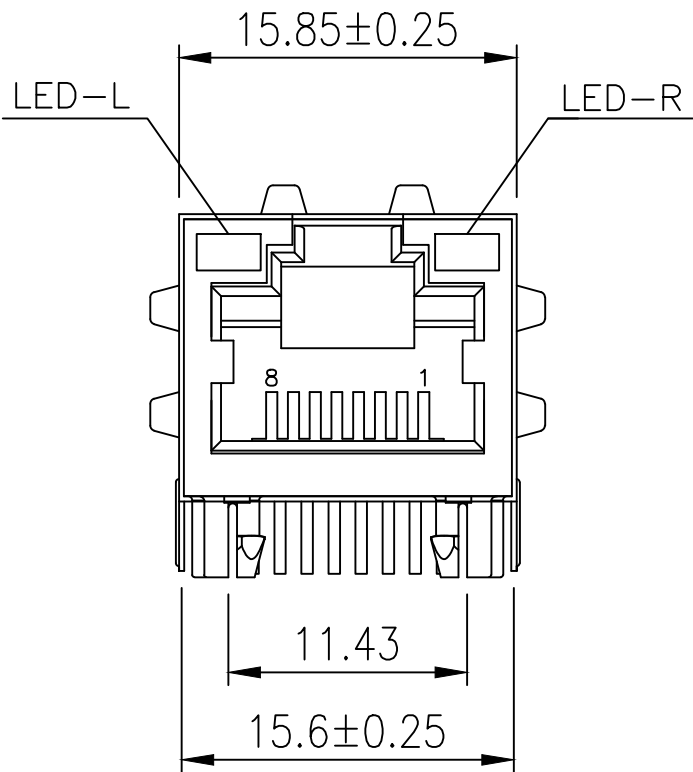


RoHS Compliant

Mechanical:

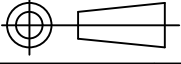


PCB Layout



NOTE:

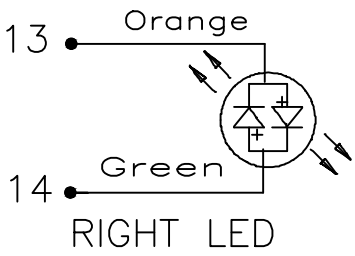
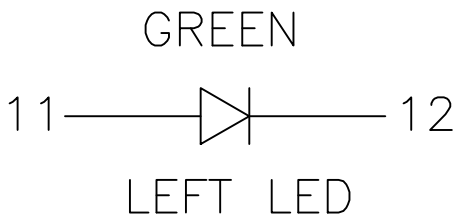
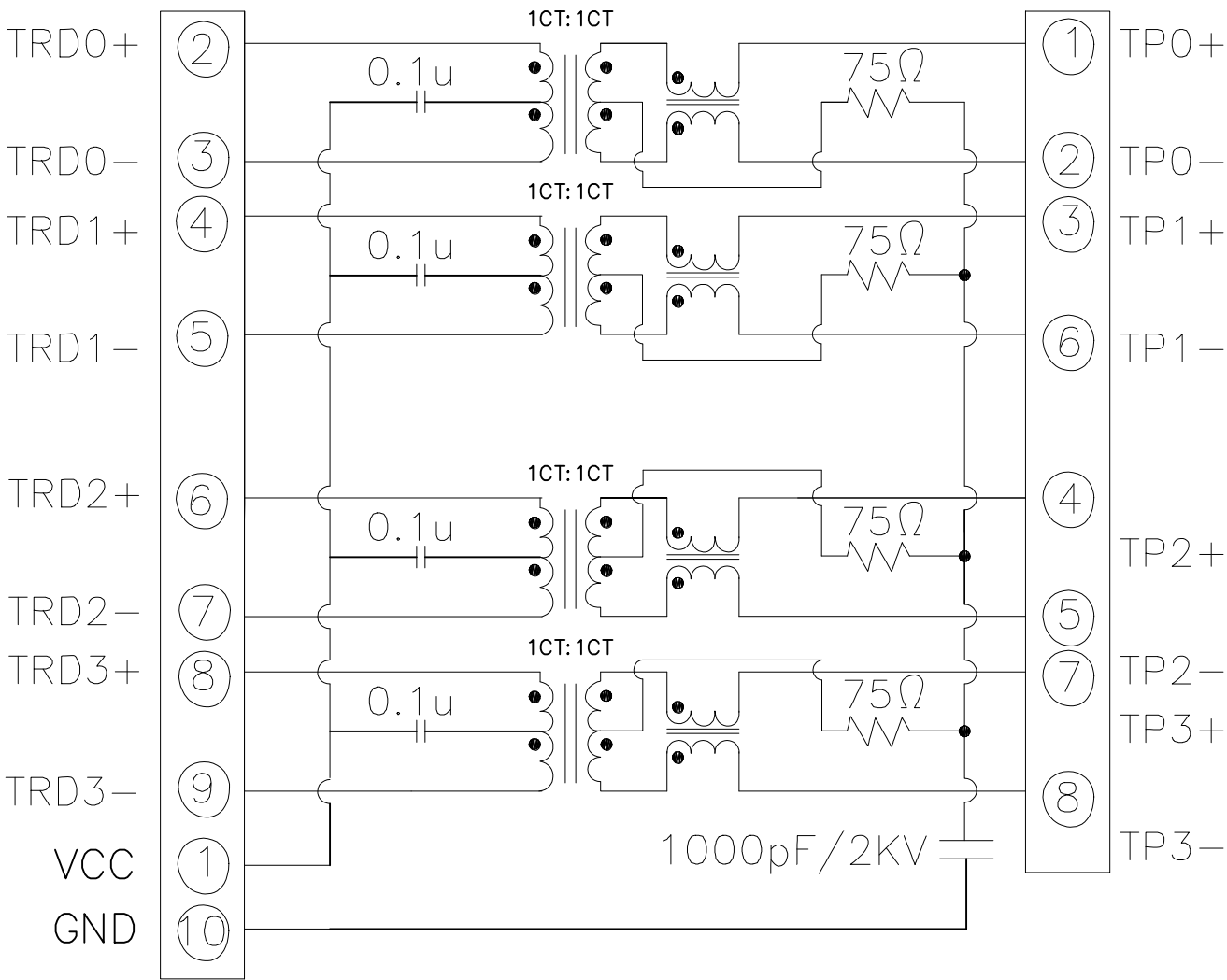
- 1.Shielded – 0.20mm THICKNESS BRASS C2680 H. PLATING NICKEL 20u”Min.
- 2.Housing– Standard Material Nylon66,Glass Filled Polyester UL94V–0 Standed Color Black.
- 3.RJ Terminal– Plastic:Nylon66, UL94V–0,Standard Color Black. Pin:0.35mm Thickness Phos–Bronze C5210 EH. Plating:Nickel40u”~60u” for all 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 RJ45 Giga BASE–T Tabup			
	.X± 0.38	X.°± 2.0°	DRAWING NUMBER 471G17J4RZ1			
	.XX± 0.20	.X°± 1.0°				
	.XXX± 0.10					
APPROVE Corey 2020,02,04		CHECK Oliver 2020,02,04		DRAW Eason 2020,02,04		PROJ. 
				SHEET X OF Y		
				SCALE 1:1	SIZE A3	REV P1

RoHS Compliant

Schematic:

Type G17



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	Green
				Z	Green	—	Green	Orange
				0	—	—	—	—

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

REV	MODIFICATION	DATE	DRAW	APPROVE

PART NO.	Electrical Specifications @25°C								
Part Number	Turns Ratio (±2%)		OCL (uH Min.) @100 KHz/0.1V with 8mA DC Bias	Cross talk (dB Min.)				Hi-POT 1.0 mA (V)	
	TX	RX		0.5-10 MHz	30 MHz	50 MHz	100 MHz	WITHOUT CAPACITARCE	WITH CAPACITARCE
471G17J4RZ1	1CT:1CT	1CT:1CT	350	-50	-40	-35	-30	1500 AC	2250 DC

PART NO.	Continue							
Part Number	Insertion Loss (dB Max.)		Return Loss (dB Min.) @ Load 100 OHM					CMR (dB Min.)
	1–100 MHz	100–125 MHz (10/100/1000)	1–30 MHz	30–50 MHz	60 MHz	60–80 MHz	80–100 MHz (10/100/1000)	1–100 MHz
471G17J4RZ1	−1.0	−1.2	−18	−16	−14	−12	−10	−30

Part Number:

471G17J4RZ1
Plating:
1:Gold 6u"
LED CODE
Standard operation temp.
Locate: rear of tab 3.05
With EMI fingers.
Transformer Type.
Series No.

Inspection Item	DIMENSION IN mm [Inch]		ELLAX CORPORATION		
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE RJ45 Giga BASE-T Tabup		
	.X± 0.38	X.°± 2.0°	DRAWING NUMBER 471G17J4RZ1		
	.XX± 0.20	.X°± 1.0°			
	.XXX± 0.10				
APPROVE Corey 2020,02,04	CHECK Oliver 2020,02,04		DRAW Eason 2020,02,04	PROJ. SCALE 1:1	SHEET X OF Y SIZE A3 REV P1