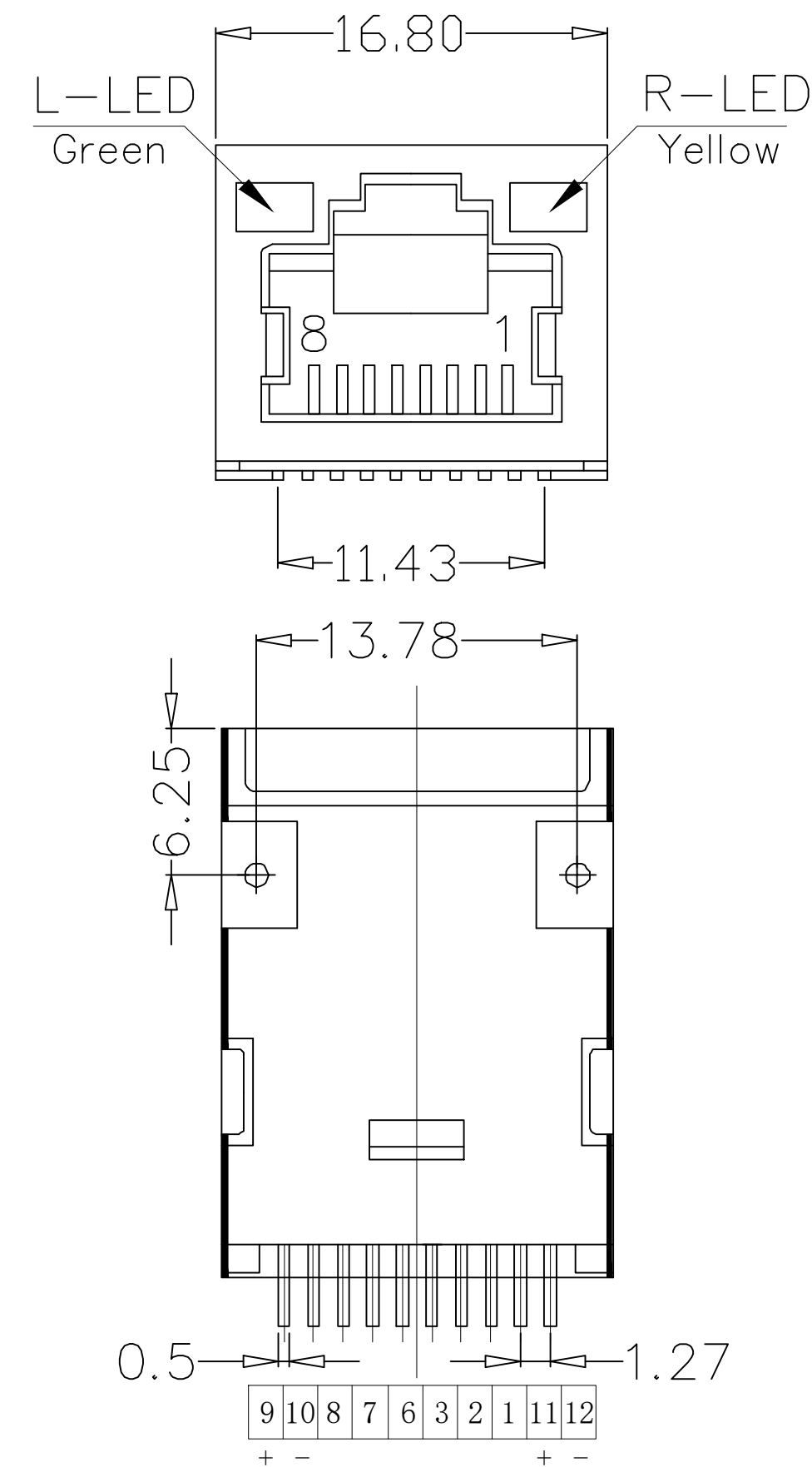
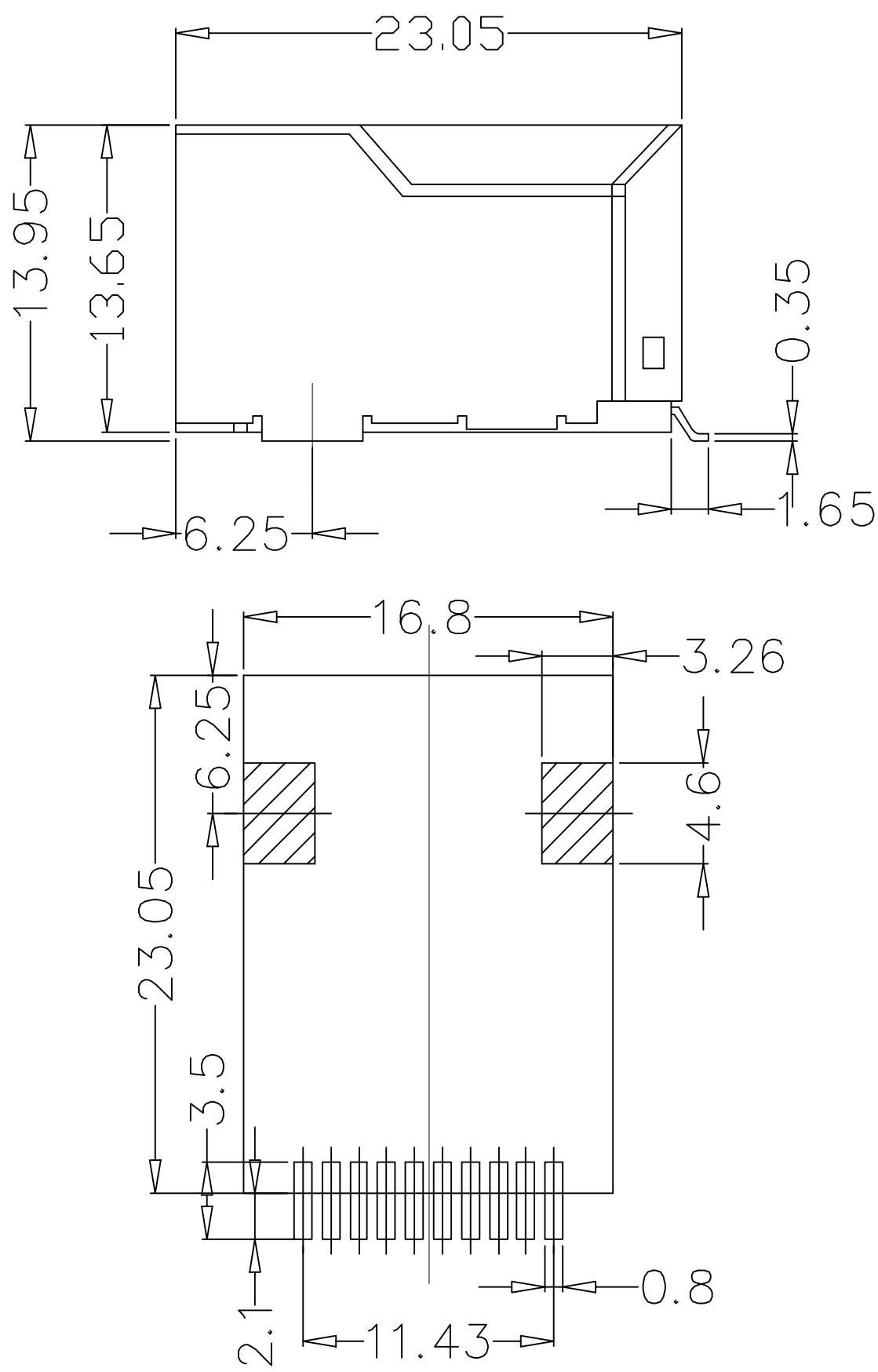


RoHS Compliant

Mechanical:

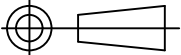


491041DHB1



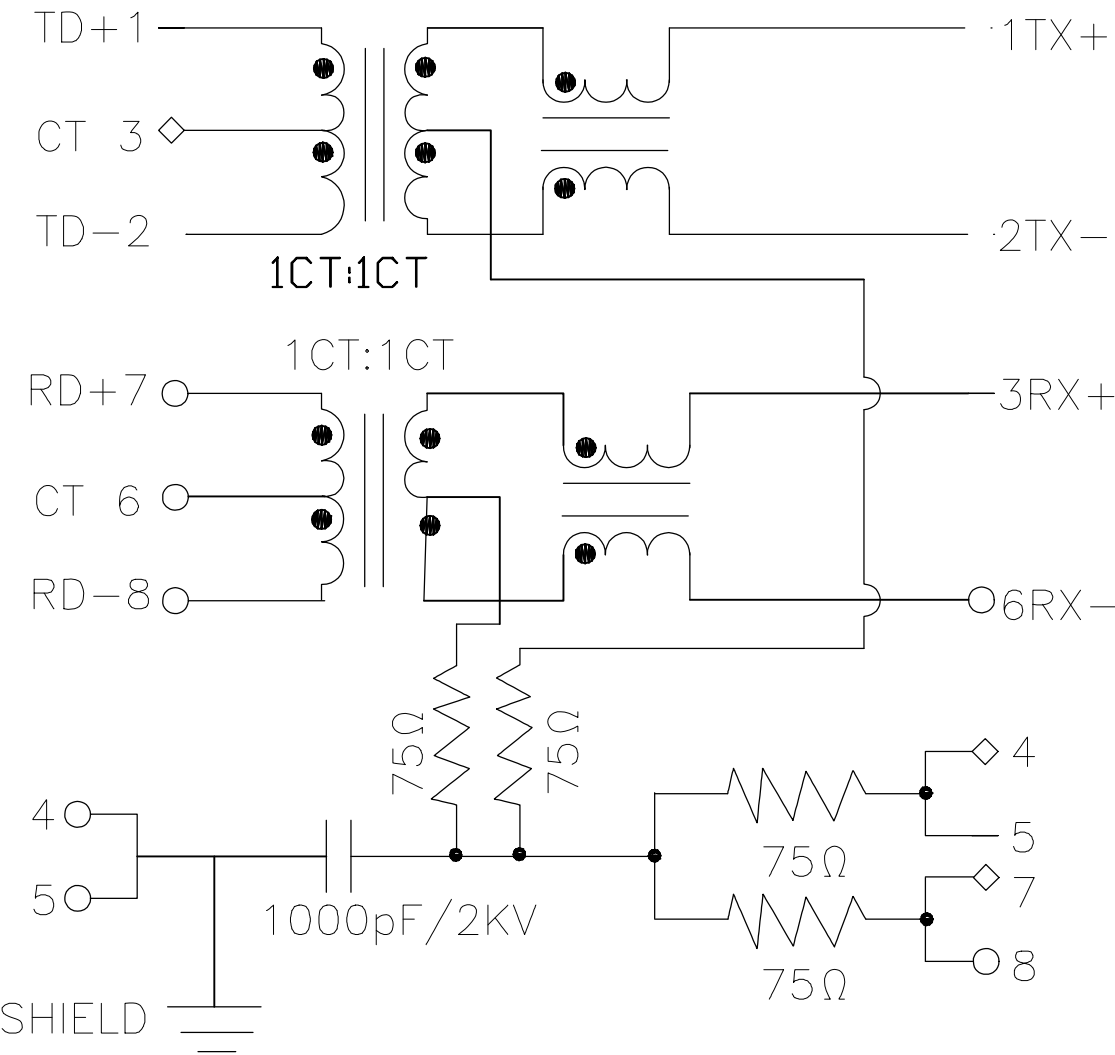
PCB Layout

- NOTE:
- 1.Shielded – 0.25mm THICKNESS BRASS C2680 H. PLATING NICKEL 30u”–50u”.
 - 2.Housing– Standard Material FR52,Glass Filled Polyester UL94V–0 Standed Color Black.
 - 3.RJ Terminal– Plastic:FR52, 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– FR52,Glass Filled,UL94V–0, Standard Color Black. Pin:0.35mm Thickness Phos–Bronze C5191. Plating:Nickel40u”~60u” for all and Sn 100%.

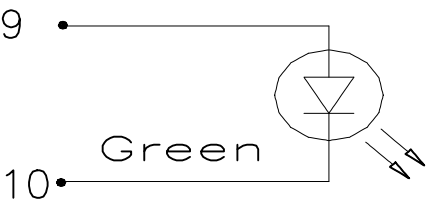
QC :Inspection Item	DIMENSION IN mm [Inch]		 ELLAX CORPORATION			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE			
	.X± 0.38		X.°± 2.0°		RJ45 10/100 BASE–T SMD Type	
	.XX± 0.20		.X°± 1.0°		DRAWING NUMBER	
	.XXX± 0.10				4910191DHA1	
APPROVE	CHECK	DRAW	PROJ.		SHEET X	OF Y
			SCALE	1:1	SIZE	A3
	Corey 2019,12,12	Oliver 2019,12,12	KONGLEI 2019,12,12			

RoHS Compliant

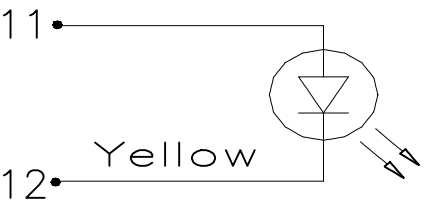
Schematic:



LEFT



RIGHT



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
				G	Orange	Green	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

Electrical Specifications @25°C

Turns Ratio (±2%)		OCL (uH Min.) @100 KHz/0.1V with 8mA DC Bias	Cross talk (dB Min.)				Hi-POT 1.0 mA (V)	
			0.5–10 MHz	30 MHz	50 MHz	100 MHz	WITHOUT CAPACITARCE	WITH CAPACITARCE
TX	RX						1500 AC	2250 DC
1CT:1CT	1CT:1CT	350	−50	−40	−35	−30		

Continue

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
−1.0	−1.2	−18	−16	−14	−12	−10	−30

Part Number:

4910191DHA1
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 10/100 BASE-T SMD Type	
	.X± 0.38	X.°± 2.0°	DRAWING NUMBER 4910191DHA1	
	.XX± 0.20	.X°± 1.0°		
	.XXX± 0.10			
APPROVE Corey 2019,07,31	CHECK Oliver 2019,12,12		DRAW KONGLEI 2019,12,12	PROJ. SHEET X OF Y
			SCALE 1:1	SIZE A3 REV P1