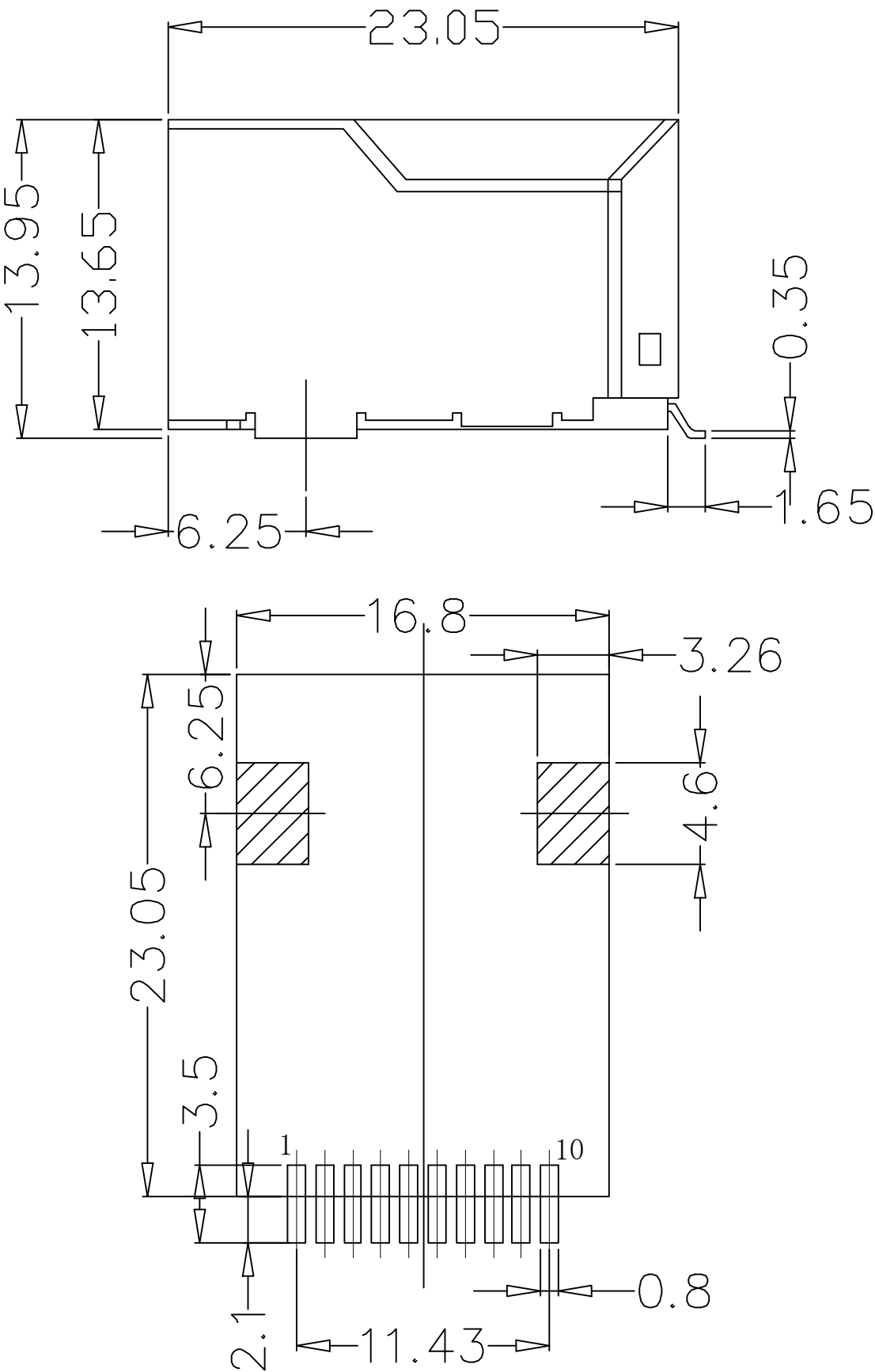
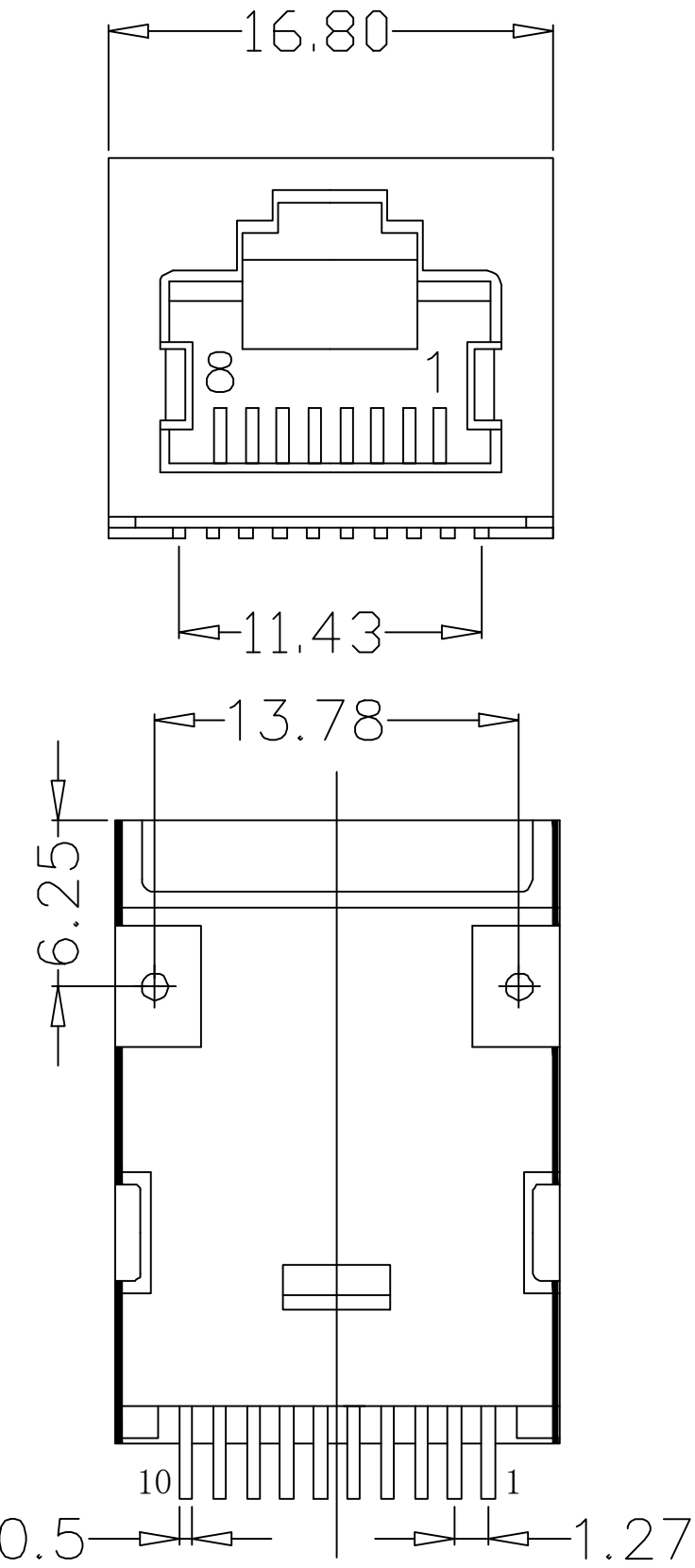


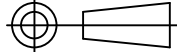
RoHS Compliant

Mechanical:



NOTE:

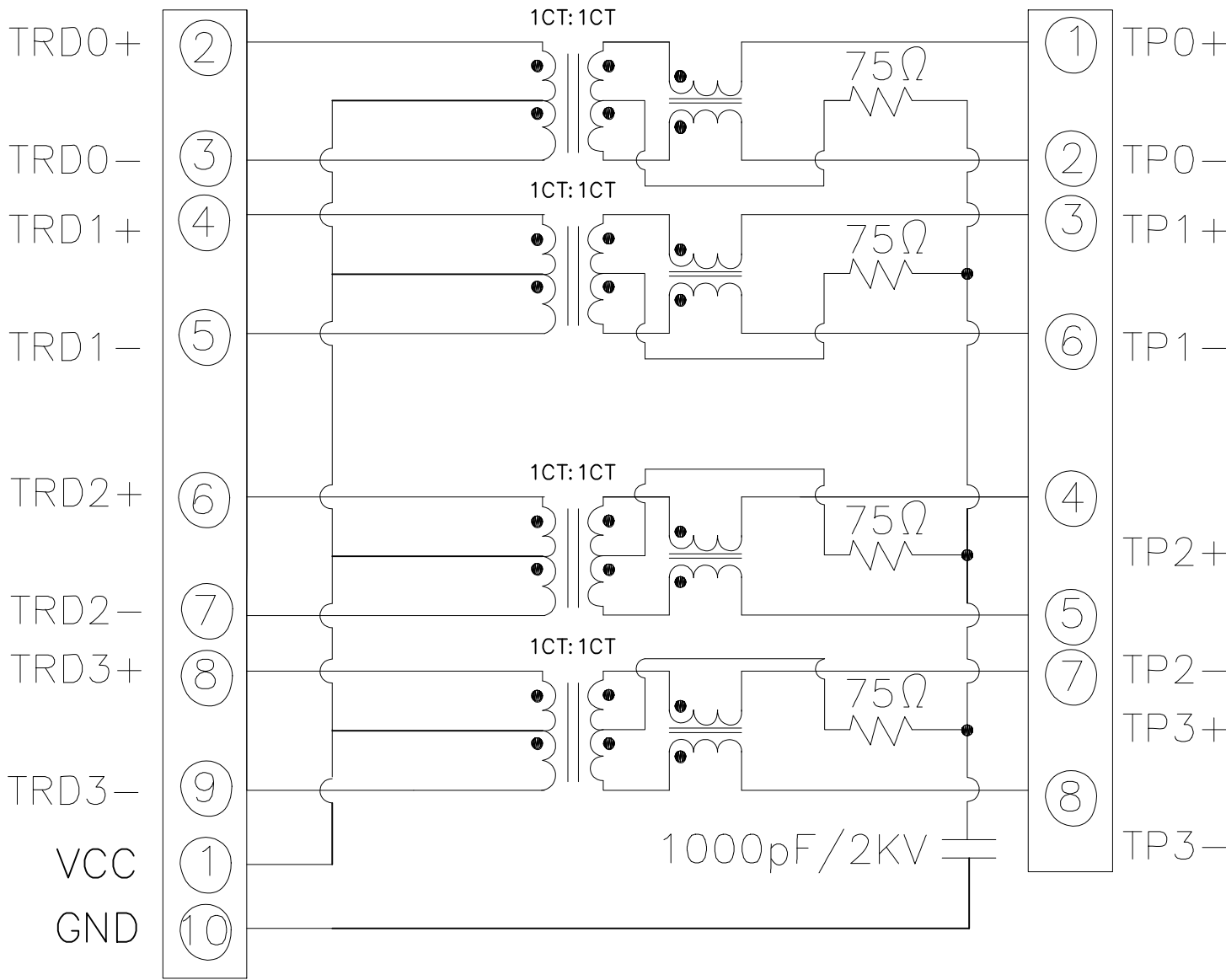
- 1.Shielded – 0.25mm THICKNESS BRASS C2680 H. PLATING NICKEL 30u”–50u”.
- 2.Housing– Standard Material FR52,Glass Filled Polyester UL94V–0 Standed Color Black.
- 3.RJ Terminal– Plastic:FR52, UL94V–0,Standard Color Black. Pin:0.35mm Thickness Phos–Bronze C5210 EH. Plating:Nickel40u”~60u” for all and 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 Giga BASE–T SMD Type			
	.XX± 0.20	.X°± 1.0°	DRAWING NUMBER			
	.XXX± 0.10		491G101DH01			
APPROVE	CHECK	DRAW	PROJ.		SHEET X OF Y	
			SCALE	RATIO	SIZE	REV
						
WP 2019,11,19	Oliver 2019,11,19	Konglei 2019,11,19			A3	P1

RoHS Compliant

Schematic:

Type G10



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
1CT:1CT	1CT:1CT	350	-50	-40	-35	-30	1500 AC	2250 DC

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:

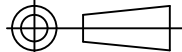
491G101DH01

- Plating:
1:Gold 6u"
- LED CODE
- Industrail operation temp.
- SMD Type
- W/o EMI fingers.
- Transformer Type.
- Series No.

Part Number:

LED Code				
	Left LED		Right LED	
	+11,-12	-11,+12	+13,-14	-13,+14
A	Green	—	Yellow	—
B	Yellow	—	Green	—
C	Green	—	Green	—
D	—	Green	—	Yellow
E	—	Yellow	—	Green
F	Yellow	—	Orange	Green
G	Orange	Green	Yellow	—
0	—	—	—	—

- 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 Giga BASE-T SMD Type				
	.XX± 0.20	.X°± 1.0°	DRAWING NUMBER				
	.XXX± 0.10		491G101DH01				
APPROVE		CHECK	DRAW	PROJ. 		SHEET X OF Y	
WP 2019,11,19				Konglei 2019,11,19		SCALE RATIO	
				SIZE A3		REV P1	