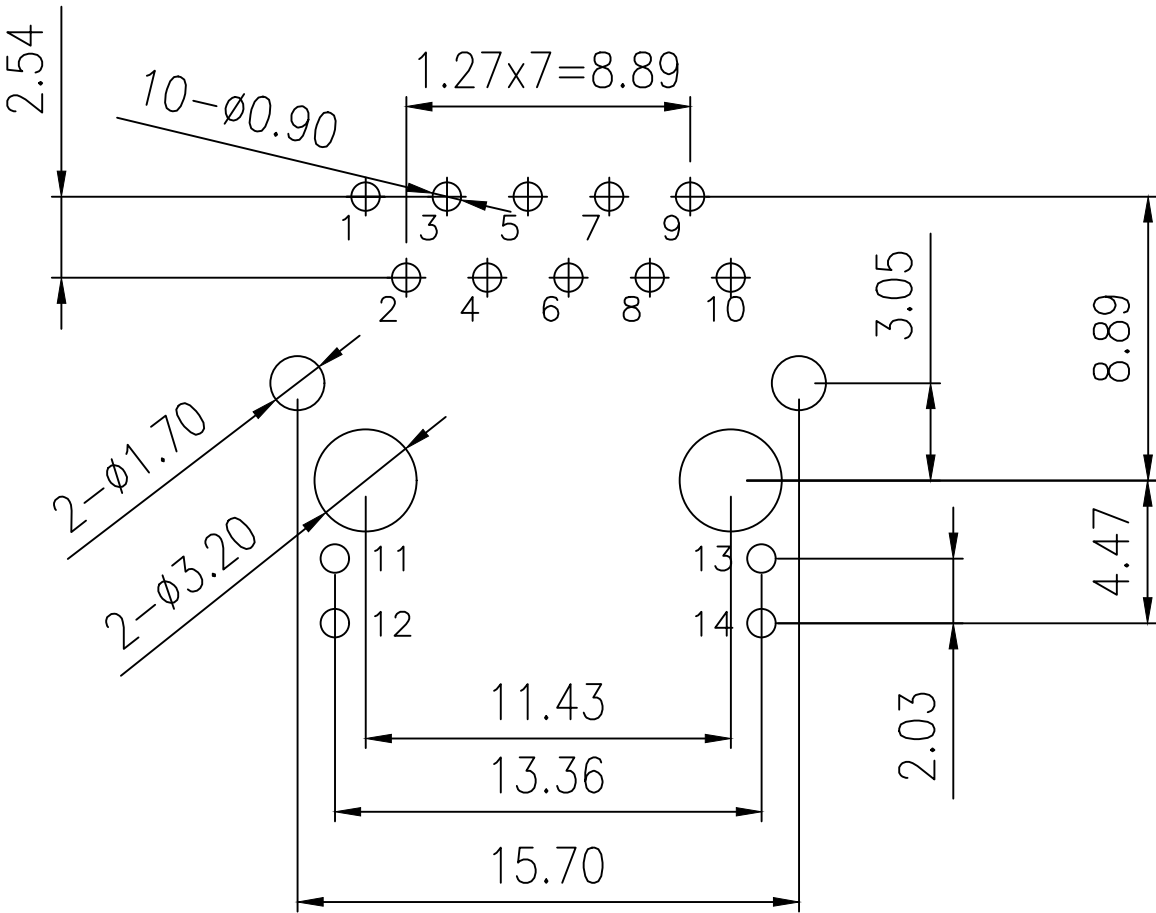
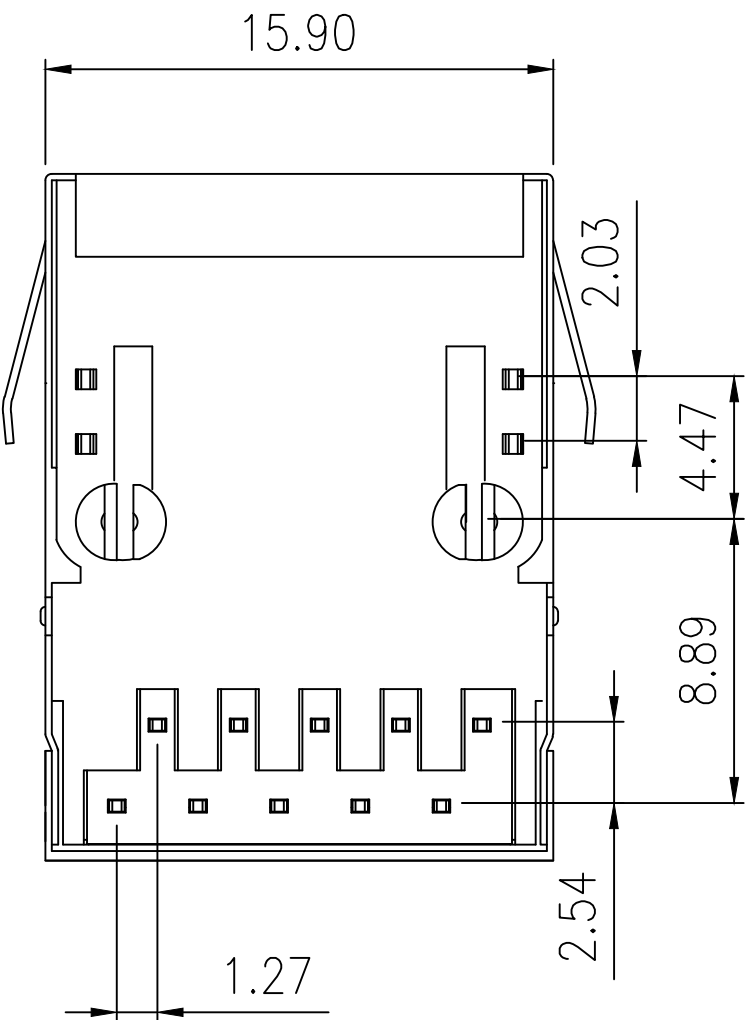
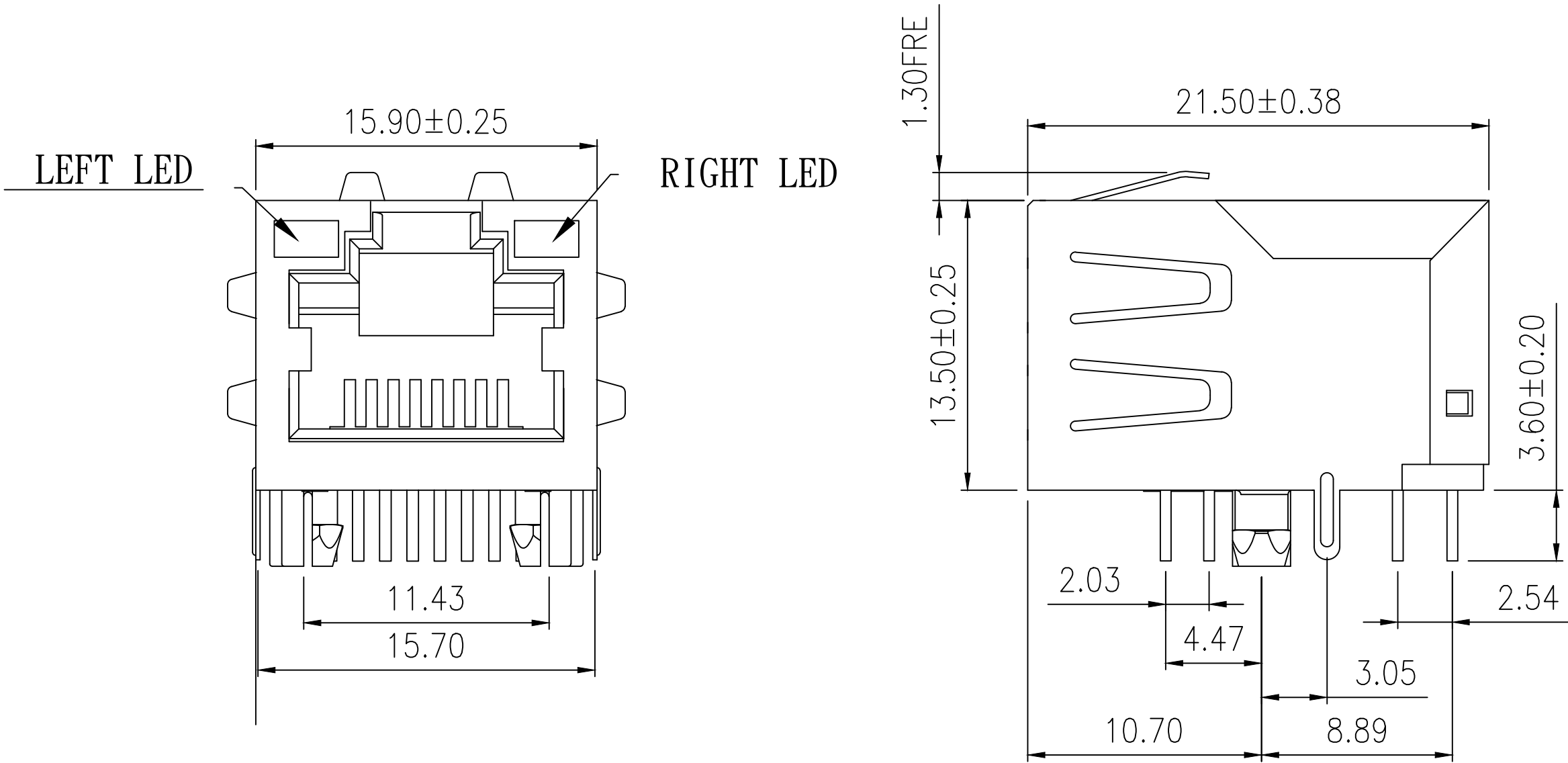


RoHS Compliant

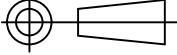
Mechanical:



PCB LAYOUT

NOTE:

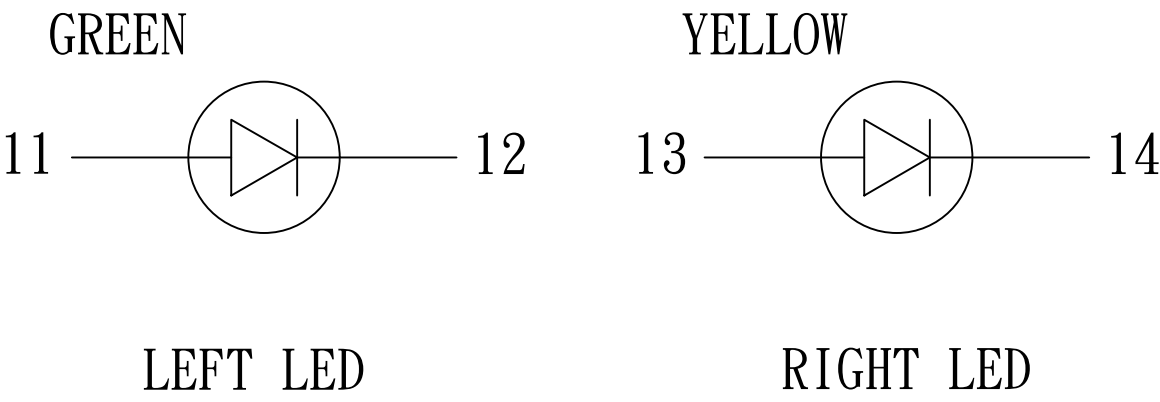
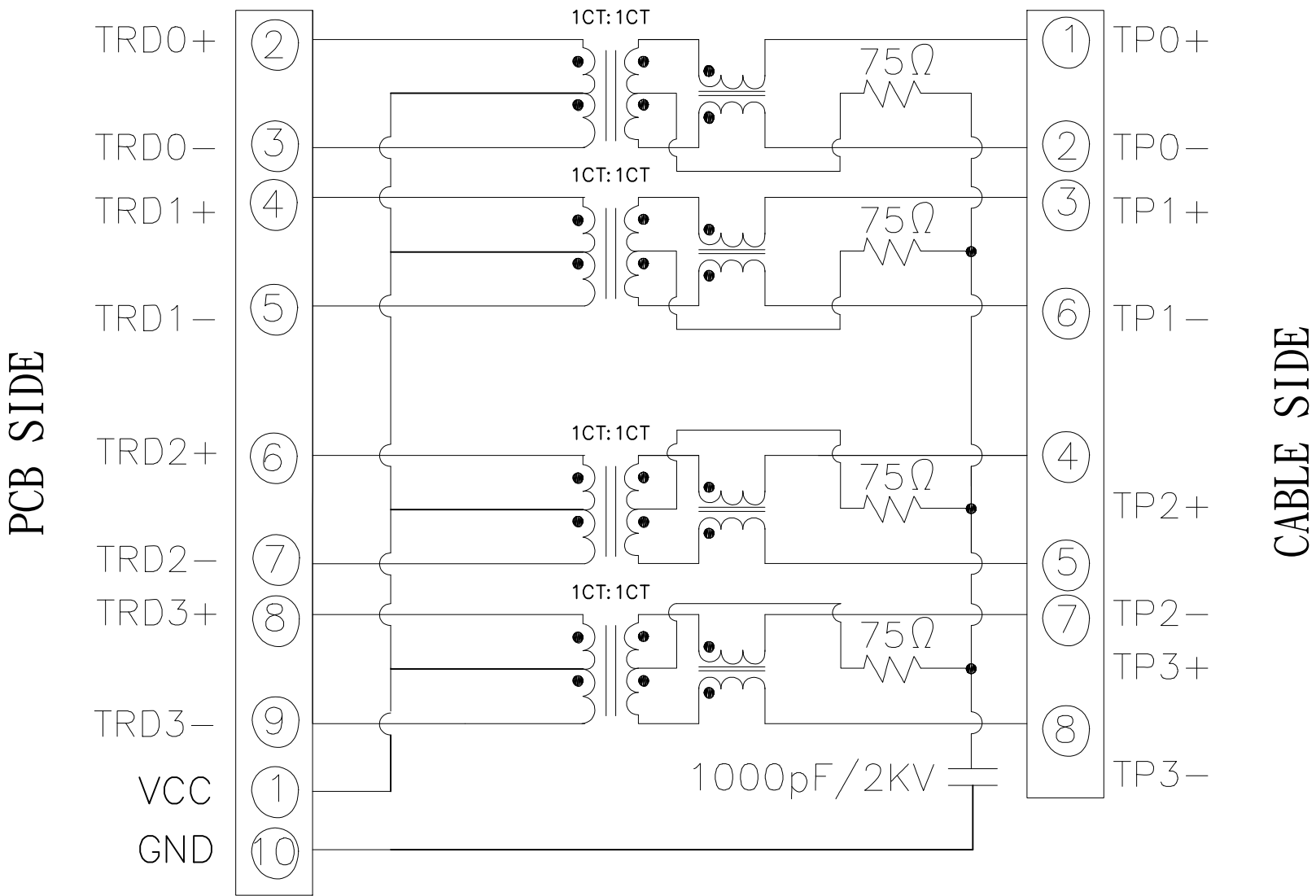
- 1.Shielded – 0.25mm THICKNESS BRASS C2680 H. PLATING NICKEL 20u” Min.
- 2.Housing – Standard Material Nylon66,Glass Filled Polyester UL94V–0 Standed Color Black.
- 3.RJ Terminal – Plastic:Nylon66 UL94V–0,Standard Color Black. Pin:0.35mm Thickness Phos–Bronze C5210 EH. Plating:Nickel40u”~60u” for all and Sn 100% ,and Gold Plating.
- 4.Input Terminal – Plastic: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°		RJ45 1X1 TAB-UP 10/100/1000	
	.XX± 0.20		.X°± 1.0°		DRAWING NUMBER	
	.XXX± 0.10				461G10J4RA1	
	APPROVE		CHECK		DRAW	
	WP 2020,01,30	Oliver 2020,01,30	Eason 2020,01,30	PROJ.		SHEET X OF Y
				SCALE 1:1	SIZE A3	REV P2

RoHS Compliant

Schematic:

Type G10



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	-
M	Green	Orange	Green	-
O	-	-	-	-

Part Number:

XXX XXX XX X X X
① ② ③ ④ ⑤ ⑥

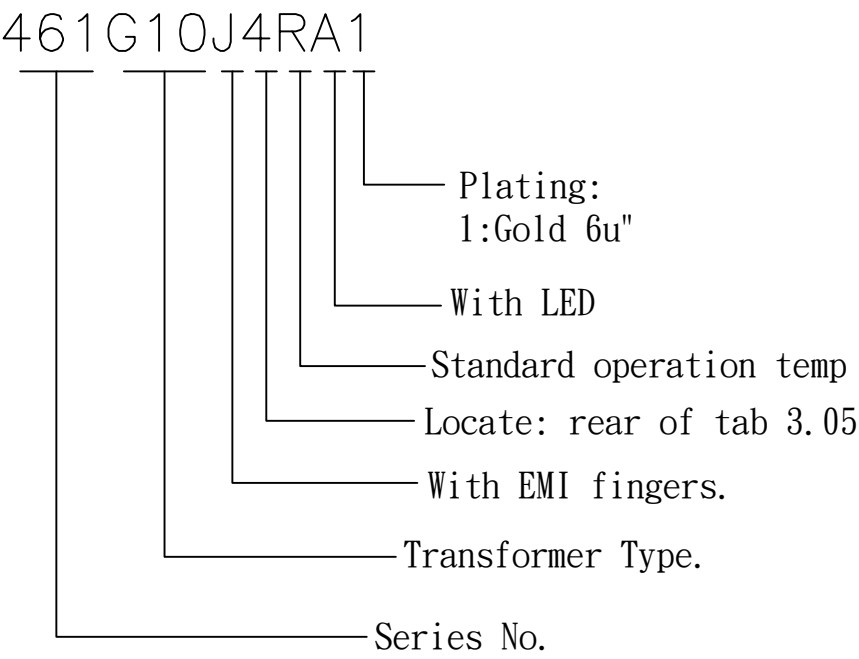
- ① Series No.
- ② Transformer Type.
- ③ Shield Type.
- ④ R-Standard operation temp. (0°C to +70°C)
H=Industrial operation temp. (-40°C to +85°C)
- ⑤ LED Code:See left table.
- ⑥ RJ45 Plating

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
461G10J4RA1	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
461G10J4RA1	-1.0	-1.2	-18	-16	-14	-12	-10	-30

Part Number:



Code	RJ45 Plating		
	Contact area	Solder tail	Under plating
F	3u" gold	100u" Tin Min.	40u" Nickel Min.
1	6u" gold		
2	15u" gold		
3	30u" gold		
4	50u" gold		

Inspection Item	DIMENSION IN mm [Inch]		ELLAX CORPORATION			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE RJ45 1X1 TAB-UP 10/100/1000			
	.X± 0.38	X.°± 2.0°	DRAWING NUMBER 461G10J4RA1			
	.XX± 0.20	.X°± 1.0°	DRAW KONGLEI 2019,05,23			
	.XXX± 0.10		PROJ. KONGLEI 2019,05,23			
APPROVE WP 2020,01,30	CHECK Oliver 2020,01,30	DRAW KONGLEI 2019,05,23	PROJ. KONGLEI 2019,05,23	SHEET X OF Y SCALE 1:1	SIZE A3	REV P2