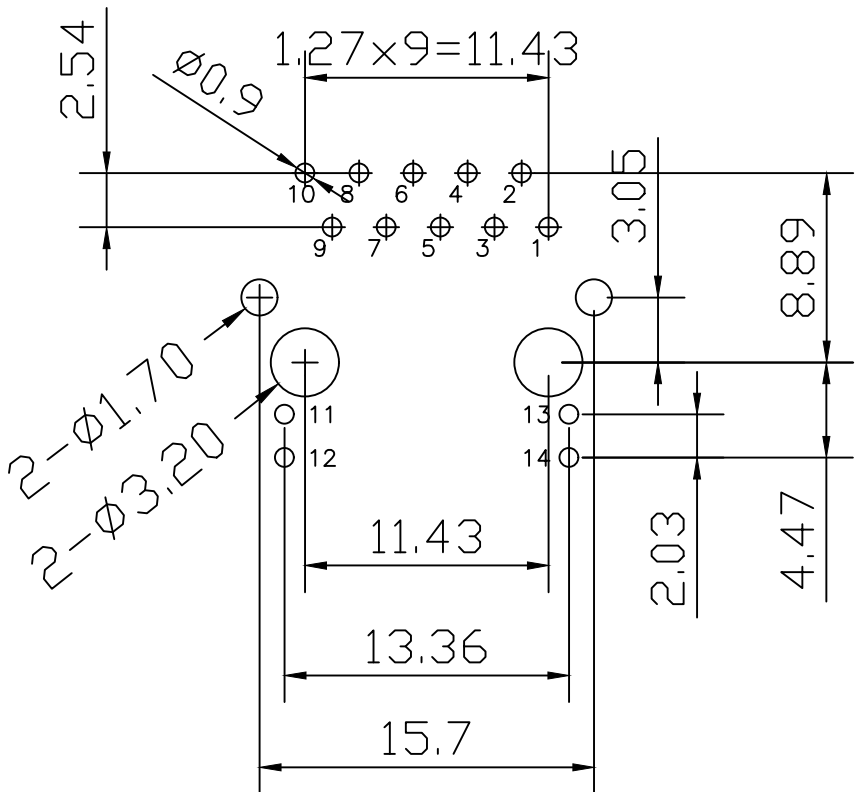
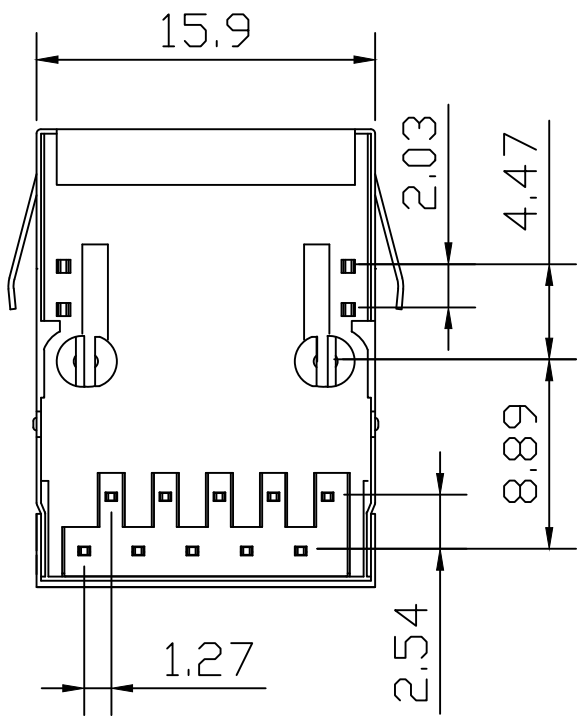
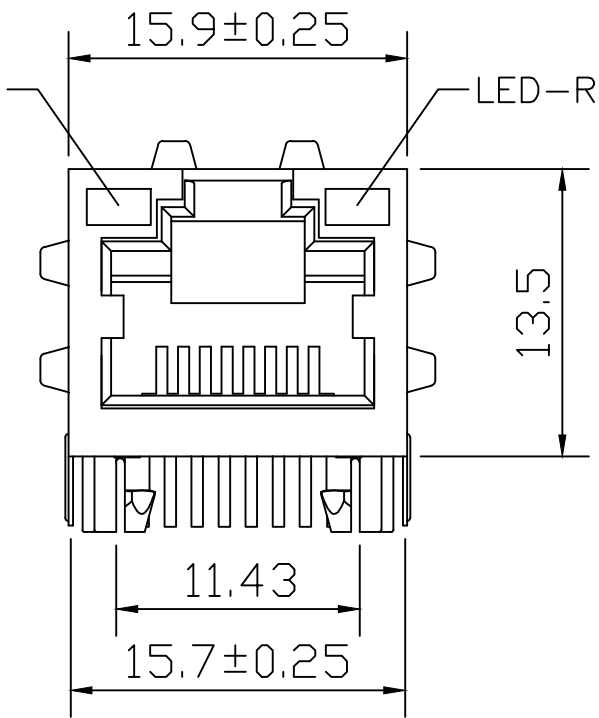
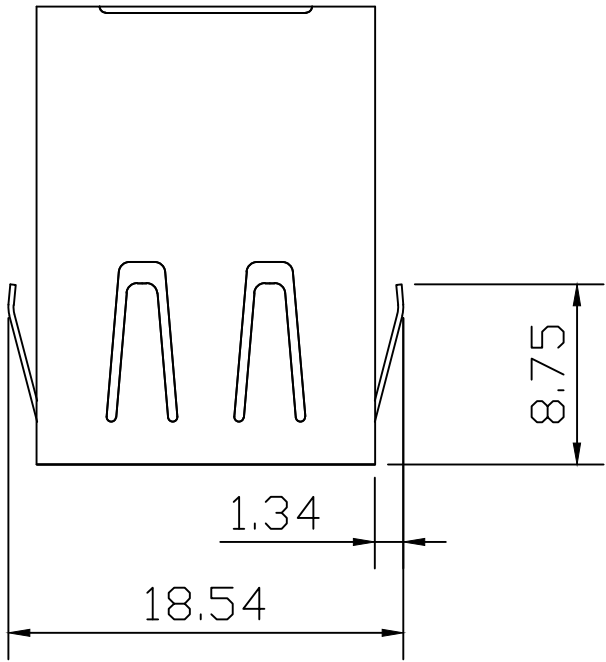
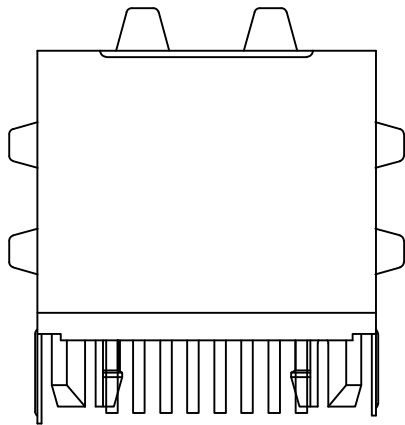
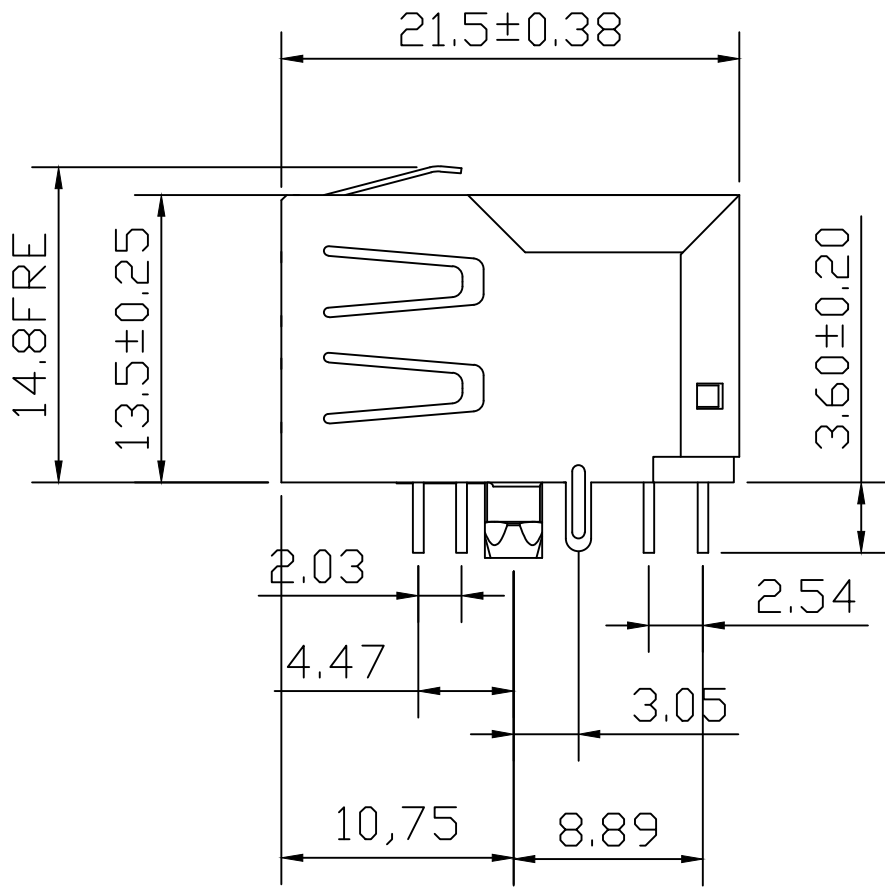


RoHS Compliant

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%.

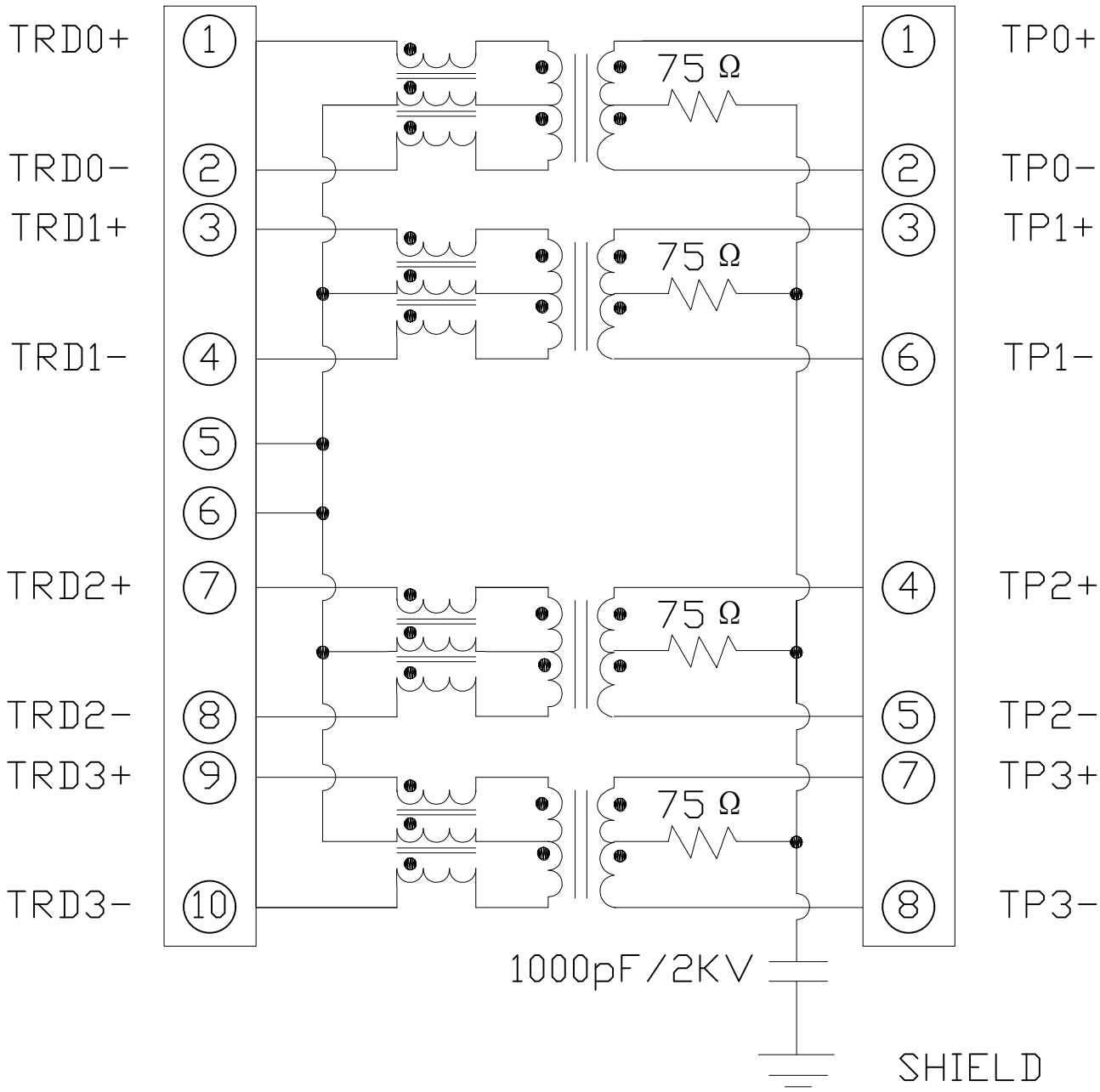
QC Inspection Item	DIMENSION IN mm [Inch]		ELLAX CORPORATION			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE			
	.X± 0.38	X.°± 2.0°	DRAWING NUMBER			
	.XX± 0.20	.X°± 1.0°				
	.XXX± 0.10		4615G2J4RA3			
APPROVE Corey 2018,10,04	CHECK Alen 2018,10,04		DRAW KONGLEI 2018,10,04	PROJ.		SHEET X OF Y
				SCALE 1:1		REV P1

RoHS Compliant

Schematic:

Type 5G2

PCB SIDE



CABLE SIDE



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

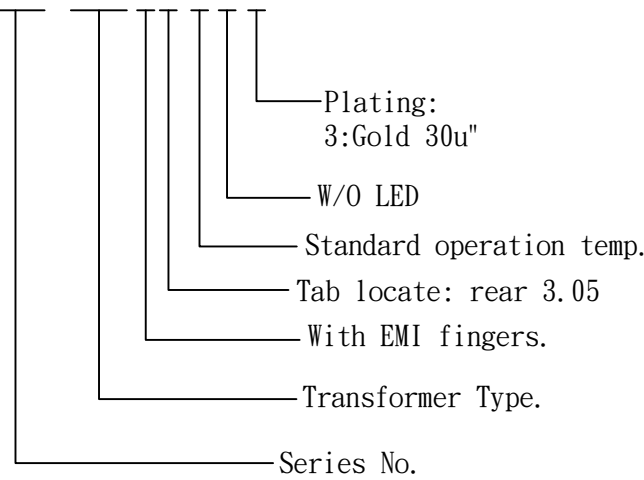
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS		
OPERATING TEMPERATURE	0°C TO +70°C		
URNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS (SDD21&SDD12)	1-50MHz	50-125MHz	125-250MHz
	-0.5 dB MIAx	-1.0 dB MAX	-1.5 dB MAX
PHY-SIDE RETURN LOSS (SDD11-Zref=100 OHMS ± 1%)	1-40MHz	40-250MHz	
	-20 dB MIN	-20+15*LOG ₁₀ (f/40) dB MIN	
LINE-SIDE RETURN LOSS (SDD22-Zref=100 OHMS ± 1%)	1-40MHz	40-250MHz	
	-20 dB MIN	-20+15*LOG ₁₀ (f/40) dB MIN	
INDUCTANCE (OCL)	120 uH MIN @ 100KHz, 100mV		
CROSSTALK, ADJACENT CHANNELS (SDD21-ADJ.)	1-125MHz	125-250MHz	
	-30 dB MIN	-20 dB MIN	
COMMON MODE REJECTION RATIO (SCC21)	30-250MHz		
	-30 dB MIN		
COMM. TO DIFF REJECTION RATIO (SDC12)	10-250MHz		
	-45+f/35 dB MIN		
INPUT-OUTPUT ISOLATION	2250 VDC FOR 60 SECONDS		

NOTE: f IS FREQUENCY IN MHZ.

Part Number:

4615G2J4RA3



QC Inspection Item	DIMENSION IN mm [Inch]		ELLAX CORPORATION			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE			
	.X ± 0.38		X ° ± 2.0°		1x1 Tab up 5G Base-T	
	.XX ± 0.20		.X ° ± 1.0°		DRAWING NUMBER	
	.XXX ± 0.10				4615G2J4RA3	
APPROVE	CHECK		DRAW	PROJ.		SHEET X OF Y
Corey 2018,10,04	Alen 2018,10,04		KONGLEI 2018,10,04	SCALE 1:1		SIZE A3
						REV P1