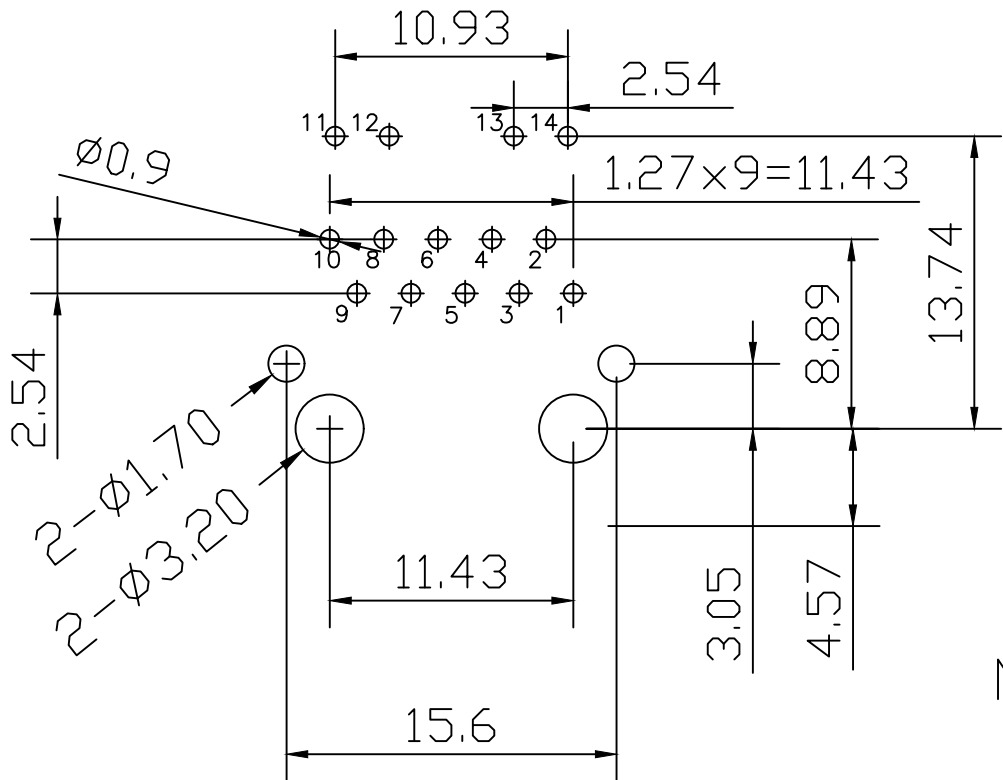
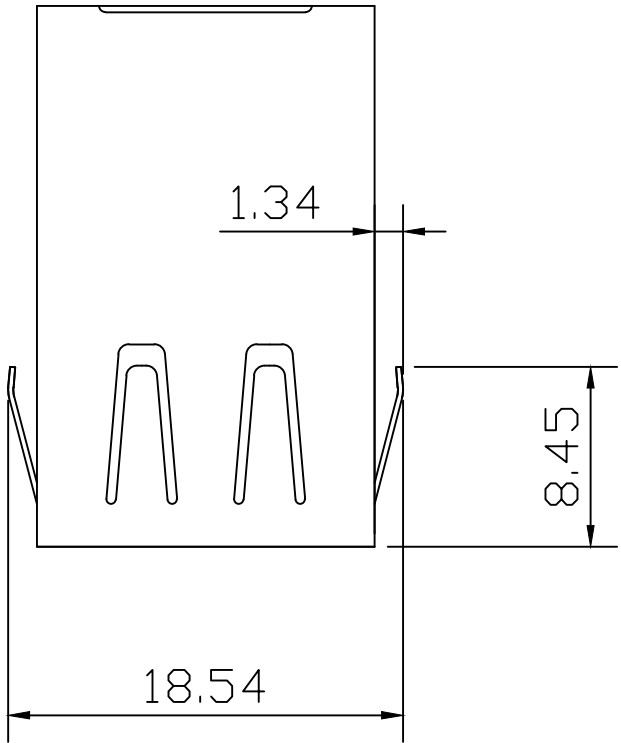


RoHS Compliant

Mechanical:

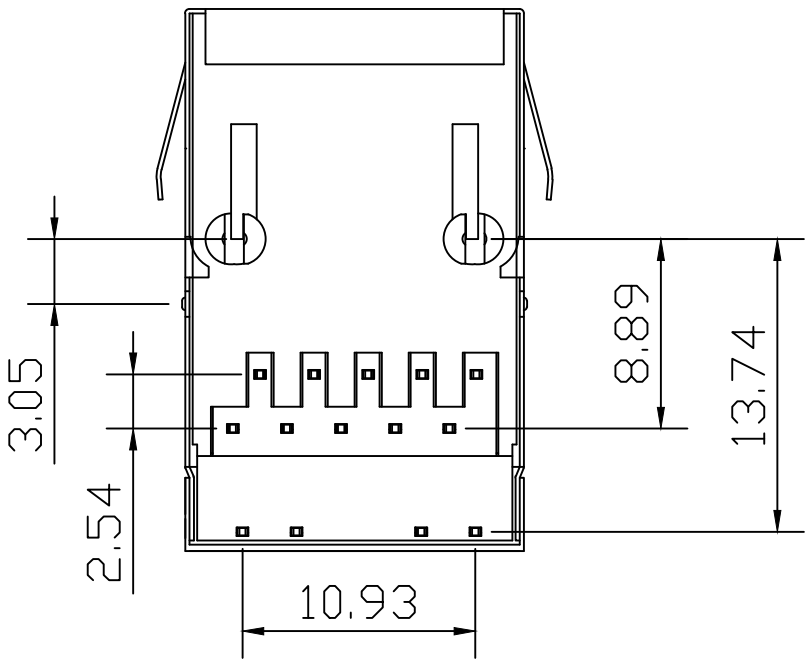
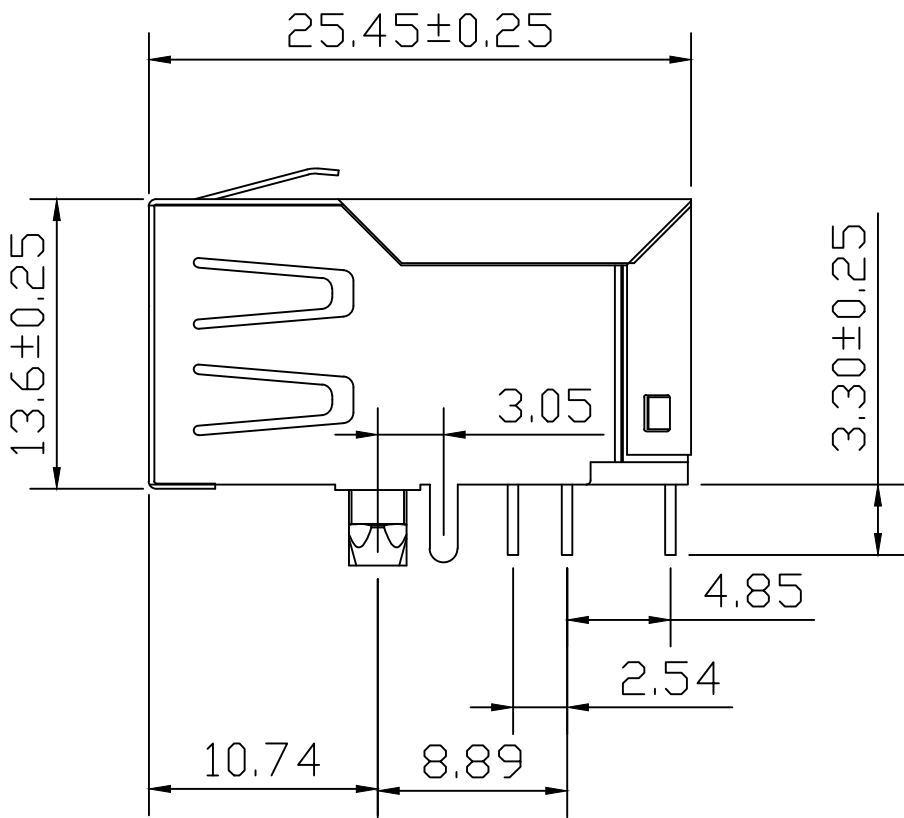
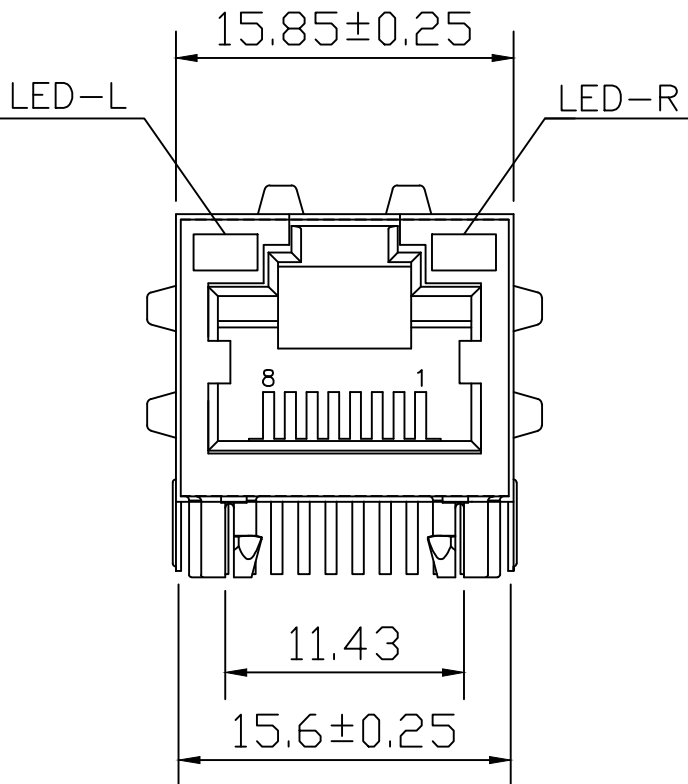
REV	MODIFICATION	DATE	DRAW	APPROVE



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%.



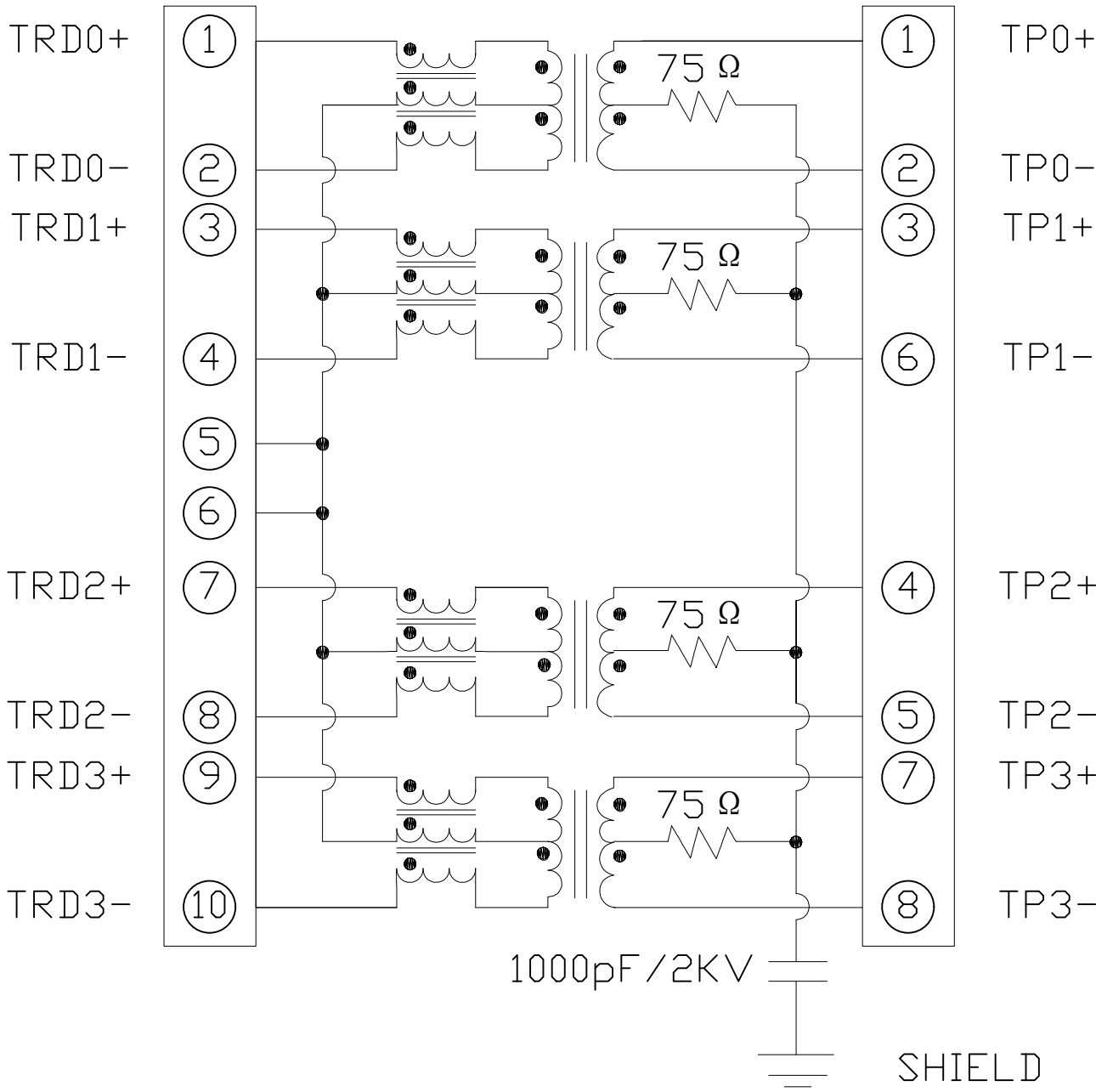
QC Inspection Item	DIMENSION IN mm [Inch]		ELLAX CORPORATION			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE 1x1 Tab up 5G Base-T			
	.X± 0.38	X.°± 2.0°	DRAWING NUMBER 4715G2J4RA3			
	.XX± 0.20	.X°± 1.0°				
	.XXX± 0.10					
APPROVE Corey 2018,10,04		CHECK Alen 2018,10,04		DRAW KONGLEI 2018,10,04		PRD.J. SHEET X OF Y SCALE 1:1 SIZE A3 REV P1

RoHS Compliant

Schematic:

Type 5G2

PCB SIDE



CABLE SIDE

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

PARAMETER	SPECIFICATIONS		
OPERATING TEMPERATURE	0℃ TO +70℃		
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*LOG10(f/40) dB MIN	
LINE-SIDE RETURN LOSS (SDD22-Zref=100 OHMS ± 1%)	1-40MHz	40-250MHz	
	-20 dB MIN	-20+15*LOG10(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:

4715G2J4RA3

- Plating: 3:Gold 30u"
- W/O LED
- Standard operation temp.
- Tab locate: rear 3.05
- With EMI fingers.
- Transformer Type.
- Series No.

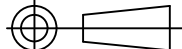


Part Number:

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℃ to +70℃)
H=Industrial operation temp. (-40℃ to +85℃)
- ⑤ LED Code:See left table.
- ⑥ RJ45 Plating

Inspection Item	DIMENSION IN mm [Inch]		ELLAX CORPORATION			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE 1x1 Tab up 5G Base-T			
	.X± 0.38	X,°± 2.0°				
	.XX± 0.20	.X°± 1.0°	DRAWING NUMBER 4715G2J4RA3			
	.XXX± 0.10					
	APPROVE Corey 2018,10,04	CHECK Alen 2018,10,04	DRAW KONGLEI 2018,10,04	PROJ. 	SHEET X OF Y	
		SCALE 1:1	SIZE A3	REV P1		