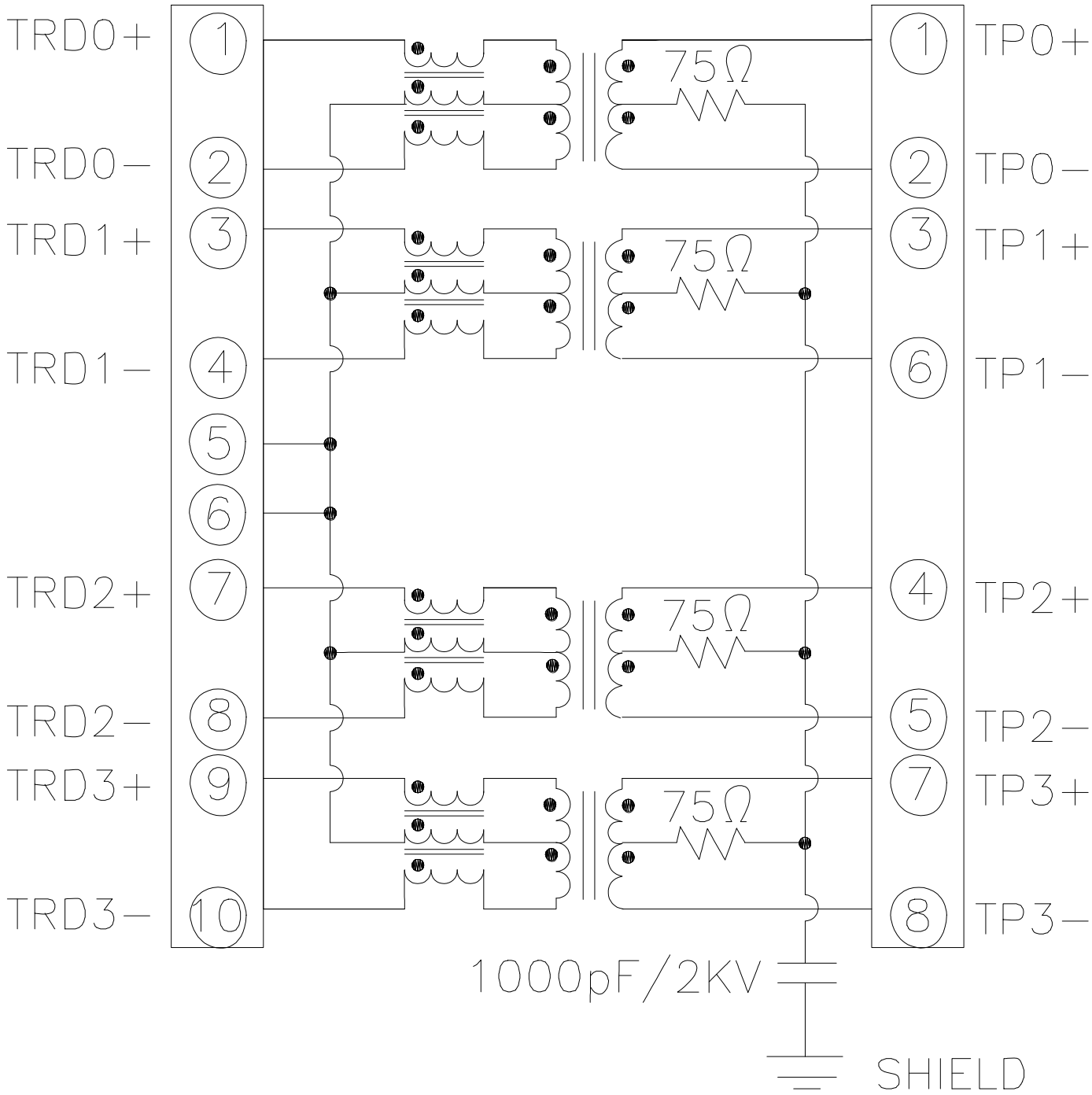


RoHS Compliant

Schematic:

Type EG2

PCB 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	-
4	50u" gold			E	-	Yellow	-
				F	Yellow	-	Orange
				G	Orange	Green	Yellow
				L	Yellow	-	Green
				0	-	-	-

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

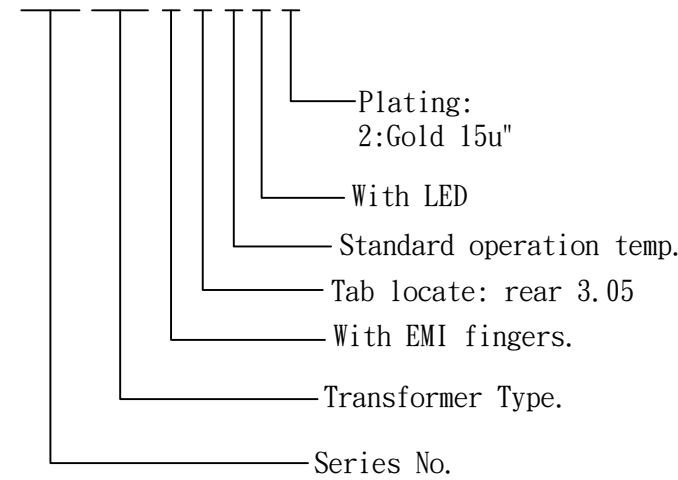
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

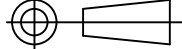
PARAMETER	SPECIFICATIONS	
OPERATING TEMPERATURE	0°C TO +70°C	
URNS RATIO	1.00 ± 2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS (SDD21&SDD12)	1-50MHz	50-125MHz
	-0.5 dB MAX	-1.0 dB MAX
PHY-SIDE RETURN LOSS (SDD11-Zref=100 OHMS ± 1%)	1-40MHz	40-200MHz
	-20 dB MIN	-20+15*LOG ₁₀ (f/40) dB MIN
LINE-SIDE RETURN LOSS (SDD22-Zref=100 OHMS ± 1%)	1-40MHz	40-200MHz
	-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	
	-30 dB MIN	
COMMON MODE REJECTION RATIO (SCC21)	30-200MHz	
	-30 dB MIN	
COMM. TO DIFF REJECTION RATIO (SCC12)	10-125MHz	
	-45+f/35 dB MIN	
INPUT-OUTPUT ISOLATION	2250 VDC FOR 60 SECONDS	

NOTE: f IS FREQUENCY IN MHz.

Part Number:

471EG2J4RA2



QC Inspection Item	DIMENSION IN mm [Inch]		ELLAX CORPORATION						
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE						
	.X ± 0.38	X ° ± 2.0°	1x1 Tab up 2.5G Base-T						
	.XX ± 0.20	.X ° ± 1.0°	DRAWING NUMBER						
	.XXX ± 0.10		471EG2J4RA2						
	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