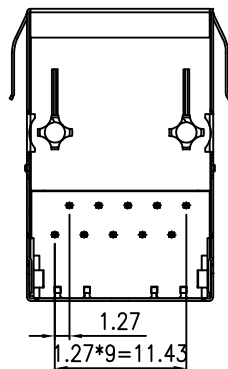
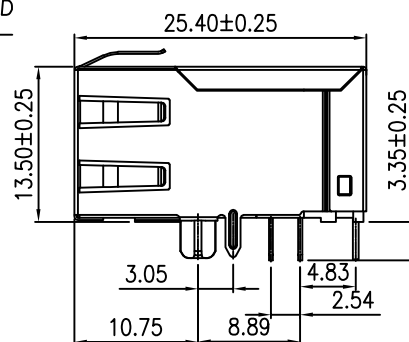
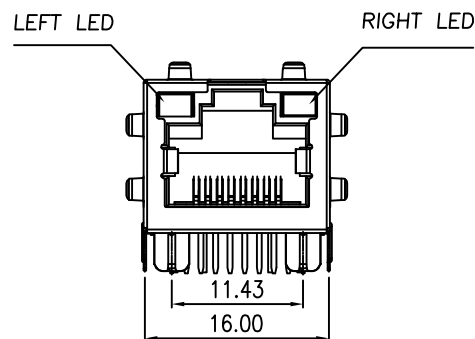
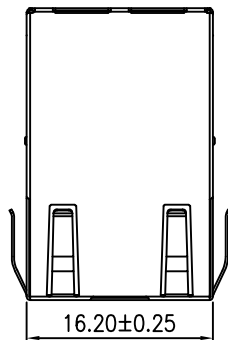


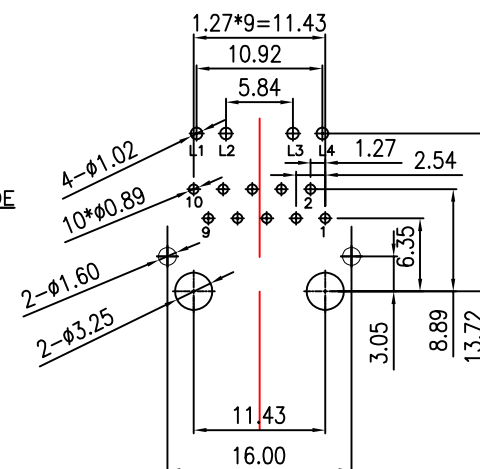
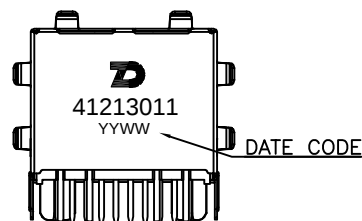
RoHS Compliant

Mechanical:



1.Material:

- Housing: PBT UL94V-0 Black.
Insert: PBT UL94V-0 Black.
- Shell: 30u" Ni Over Brass(C2680),T=0.20mm.
- RJ45 Terminal:Phosphor Bronze(C5191) T=0.35mm
Plating:6u" Gold Plated On Contact Area,
80u" ~120u" Tin Plated On Solder Area,
50u" ~80u" Ni Underplated Overall.
- Tail Terminal: Brass(C2680) T=0.35mm,
Plating: 80u" ~120u" Tin Plated Over,
30u" ~50u" Ni Underplated Overall.

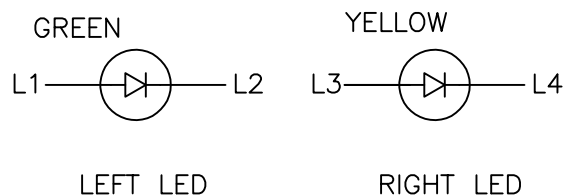
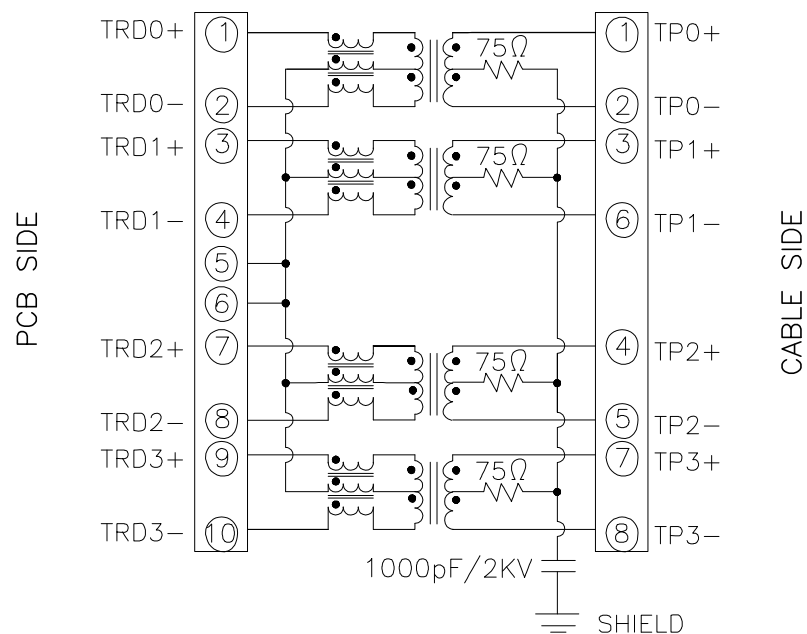


Recommended PCB Layout
(Tolerance:±0.05)

QC : Inspection Item	DIMENSION IN mm [Inch]		ZhenDeng Electronics Co.,Ltd		
	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		41213011		
APPROVE	CHECK		DRAW	PROJ.	SHEET 1 OF 3
			CLT 2024,05,10	SCALE 1:1	REV A

RoHS Compliant

Schematic:



REV	MODIFICATION	DATE	DRAW	APPROVE

Electrical Specifications @25°C								
Turns Ratio (±2%)		OCL (μH 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 RESISTOR	WITH RESISTOR
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

Operating and Storage Temperature:
Operating Temperature : -40°C to +85°C.
Storage Temperature : -40°C to +85°C.

QC : Inspection Item	DIMENSION IN mm [Inch]		ZhenDeng Electronics Co.,Ltd			
	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		41213011			
	APPROVE	CHECK	DRAW CLT 2024,05,10	PROJ. 	SHEET 2 OF 3	
			SCALE 1:1	SIZE A3	REV A	

