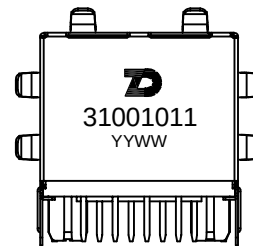
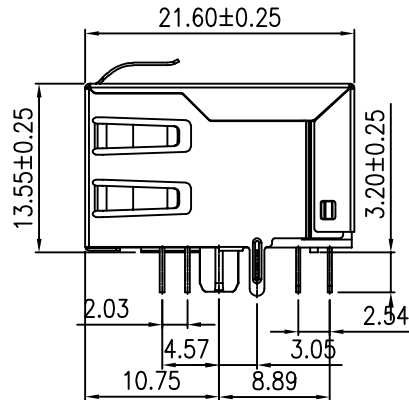
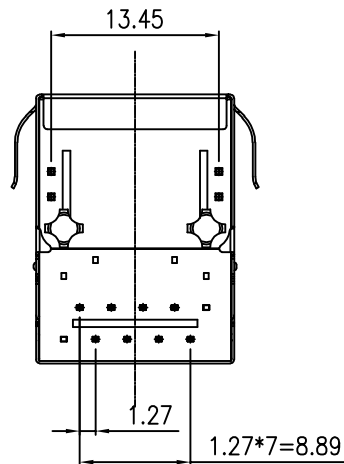
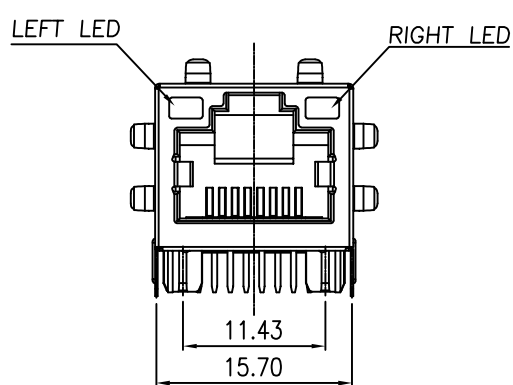
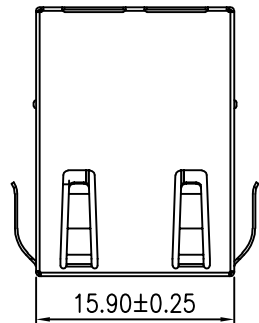


RoHS Compliant Halogen Free

Mechanical:



1. Material:

1.1 Housing: PBT UL94V-0 Black.

Insert: PBT UL94V-0 Black.

1.2 Shell: 30u" Ni Over Brass(C2680), T=0.20mm.

1.3 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.

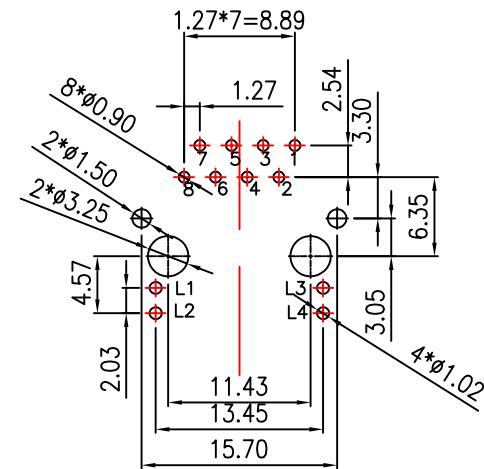
1.4 Tail Terminal: Brass(C2680) T=0.35mm,

Plating: 80u" ~120u" Tin Plated Over,

30u" ~50u" Ni Underplated Overall.

2. Environmental requirements:

2.1 Lead-free process, compliant RoHS.

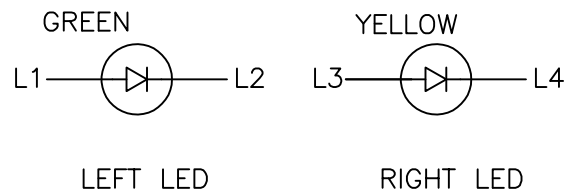
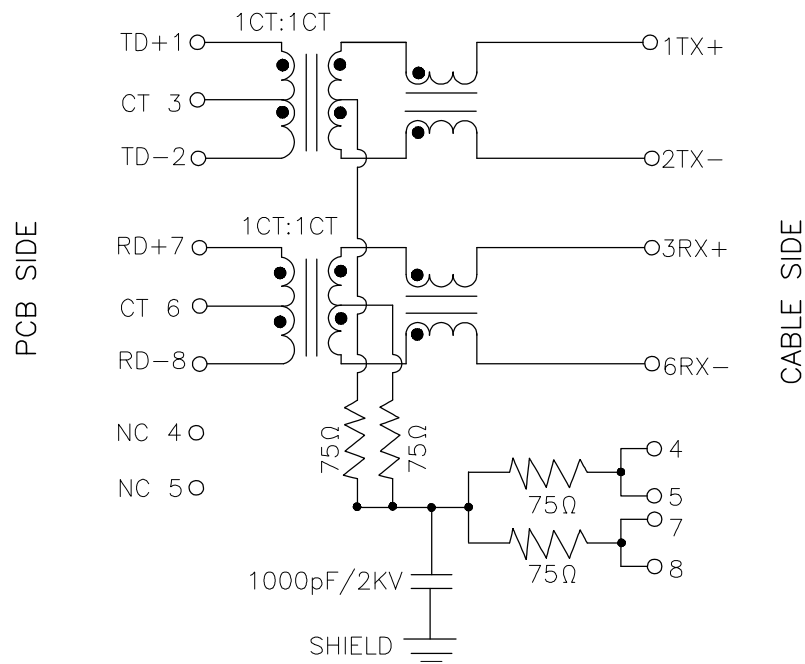


Recommended PCB Layout
(Tolerance: ±0.05)

QC Inspection Item	DIMENSION IN mm [Inch]		ZhenDeng Electronics Co.,Ltd			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE			
	.X± 0.38	X.*± 2.0°	RJ45 1X1 10/100 BASE-T			
	.XX± 0.20	.X.*± 1.0°	DRAWING NUMBER			
	.XXX± 0.10		31001011			
APPROVE	CHECK		DRAW	CLT	PROJ.	SHEET 1 OF 3
			2024,11,15	2024,11,15	SCALE 1:1	REV A

RoHS Compliant

Schematic:



REV	MODIFICATION	DATE	DRAW	APPROVE

Electrical Specifications @25°C								
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 RESISTOR	WITH RESISTOR
1CT:1CT	1CT:1CT	350	-50	-40	-35	-30	1500 AC	2250 DC

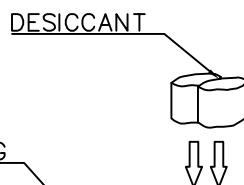
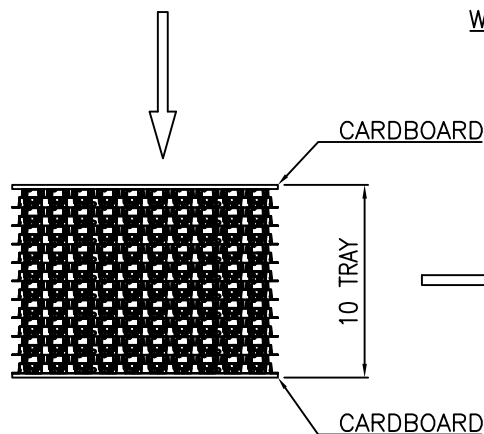
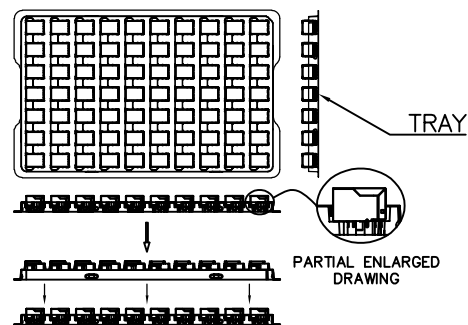
Continue							
Insertion Loss (dB Max.)		Return Loss (dB Min.) @ Load 100 OHM					CMR (dB Min.)
1-100 MHz	100-125 MHz (10/100/1000)	1-30 MHz	30-50 MHz	60 MHz	60-80 MHz	80-100 MHz (10/100/1000)	1-100 MHz
-1.0	-1.2	-18	-16	-14	-12	-10	-30

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

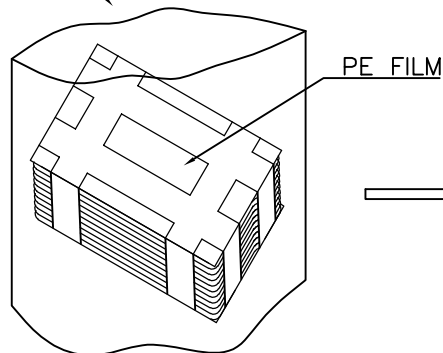
QC Inspection Item	DIMENSION IN mm [Inch]		ZhenDeng Electronics Co.,Ltd			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE			
	.X± 0.38	X.*± 2.0°	RJ45 1X1 10/100 BASE-T			
	.XX± 0.20	.X*± 1.0°	DRAWING NUMBER			
	.XXX± 0.10		31001011			
APPROVE		CHECK	DRAW	PROJ.	SHEET	OF
			CLT 2024,11,15	SCALE 1:1	2	3
				SIZE A3	REV	A

RoHS Compliant

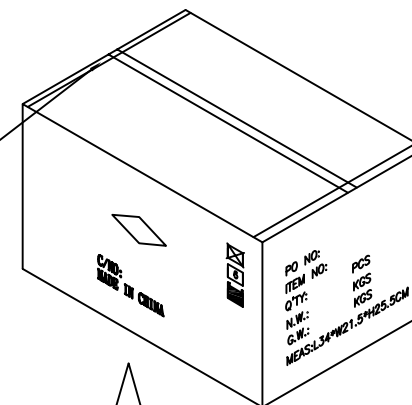
Packing:



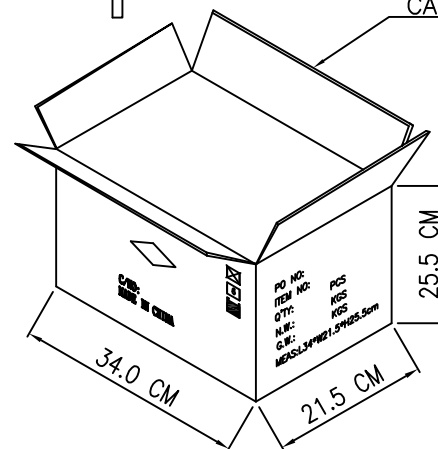
WATER-PROOF BAG



PACKAGING TAPE



CARTON



NOTES:

1. PRIMARY PACKING: 70PCS/TRAY
2. SECONDARY PACKING: 10TRAY/CARTON(700PCS/CARTON)
3. CARTON SIZE: 340x215x255mm

Inspection Item	DIMENSION IN mm [Inch]		ZhenDeng Electronics Co.,Ltd			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE			
	.X± 0.38	X.*± 2.0°	RJ45 1X1 21&31- PACKING			
	.XX± 0.20	.X*± 1.0°	DRAWING NUMBER			
	.XXX± 0.10		21&31- PACKING			
APPROVE	CHECK		DRAW	CLT	PROJ.	SHEET 3 OF 3
			2024,11,15		SCALE 1:1	REV A