

RoHS Compliant

Mechanical:

REV	MODIFICATION	DATE	DRAW	APPROVE

Connect Material:

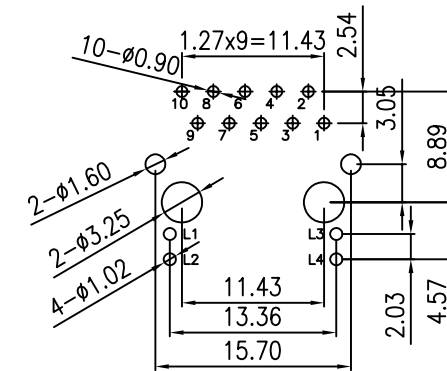
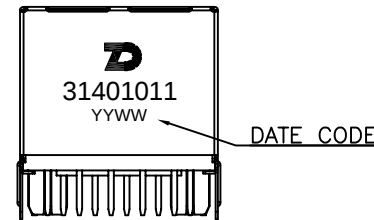
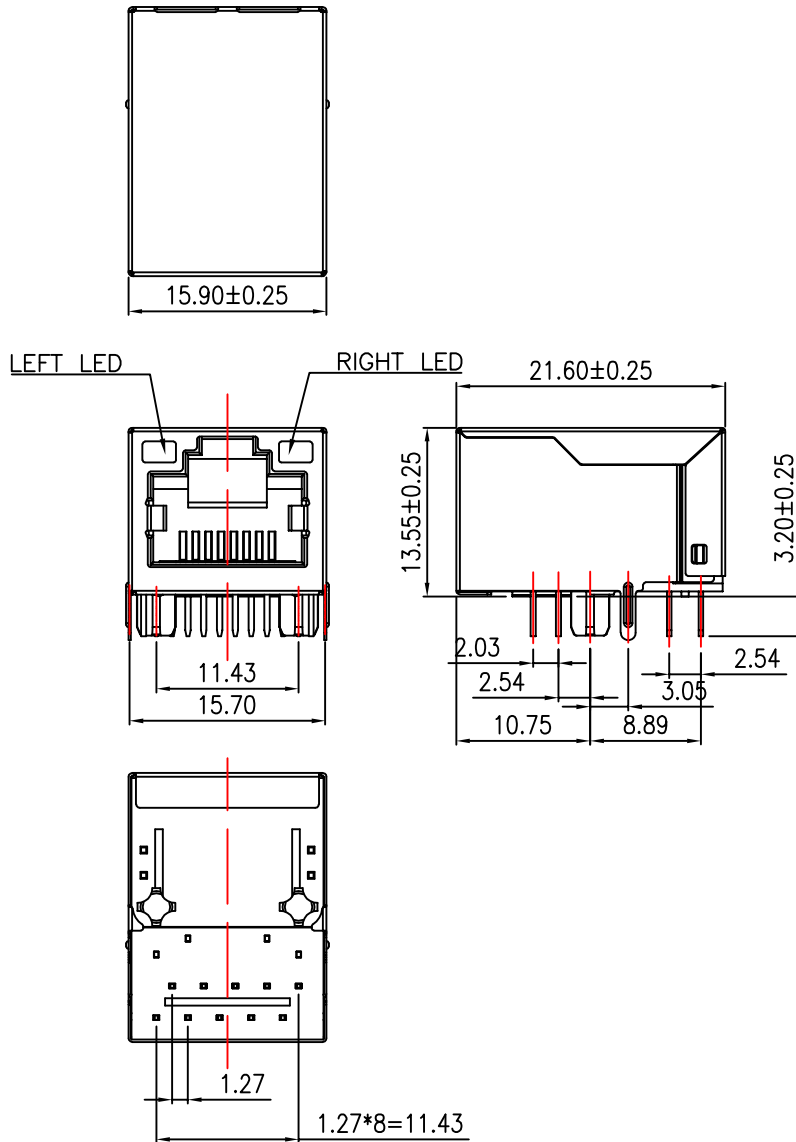
Housing : Thermoplastic,PA46,UL 94V-0,Black

Insert : Thermoplastic,PA46,UL 94V-0,Black

Contact/Shield : Copper alloy

Shield Plating : Nickel

Contact Plating: Selective gold 6u" Min

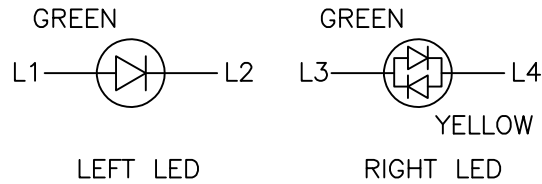
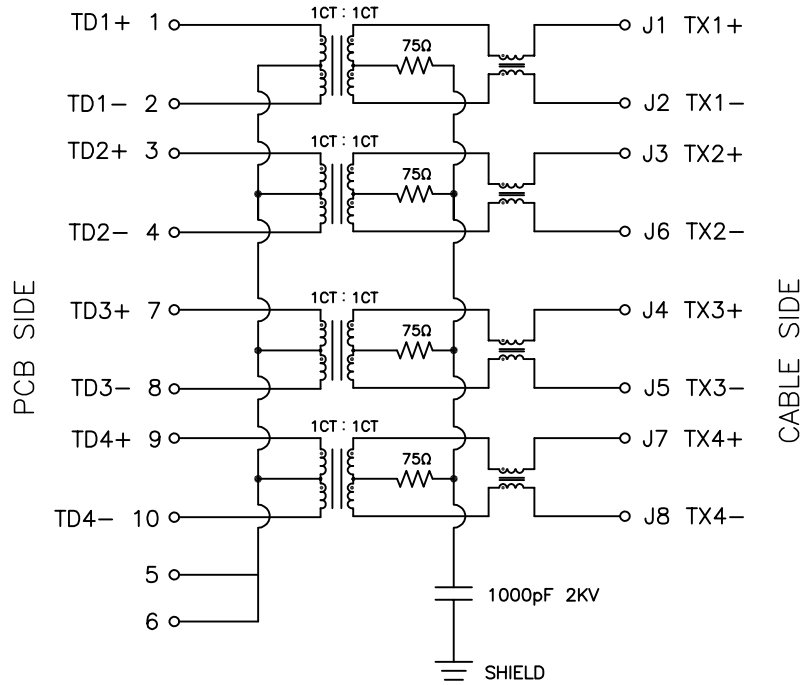


RECOMMENDED PCB LAYOUT
(COMPONENT SIDEVIEW)
ALL DIMENSION TOLERANCE ARE ±0.05mm

QC Inspection Item	DIMENSION IN mm [Inch]		ZhenDeng Electronics Co.,Ltd			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE			
	.X± 0.38	X.*± 2.0°	RJ45 1X1 2.5G			
	.XX± 0.20	.X*± 1.0°	DRAWING NUMBER			
	.XXX± 0.10		31401011			
APPROVE	CHECK		DRAW	PROJ.	SHEET	OF
			KONGLEI 2024,07,21	SCALE 1:1	1	3
				SIZE A3	REV	A

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Schematic:



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 (SDC12)	10-125MHz	
	-45+f/35 dB MIN	
INPUT-OUTPUT ISOLATION	2250 VDC FOR 60 SECONDS	

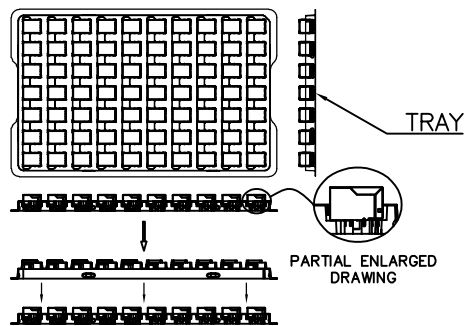
NOTE: f IS FREQUENCY IN MHZ.

Operating and Storage Temperature:
Operating Temperature : 0°C to +70°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 2.5G		
	.XX± 0.20	.X.*± 1.0°	DRAWING NUMBER		
	.XXX± 0.10		31401011		
APPROVE	CHECK		DRAW	PROJ.	SHEET 2 OF 3
			KONGLEI 2024,07,21	SCALE 1:1	SIZE A3 REV A

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Packing:



WATER-PROOF BAG

DESICCANT

PE FILM

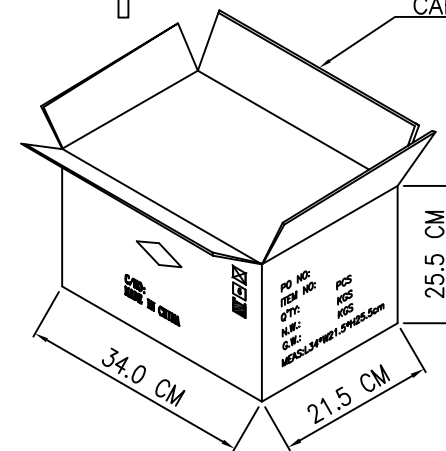
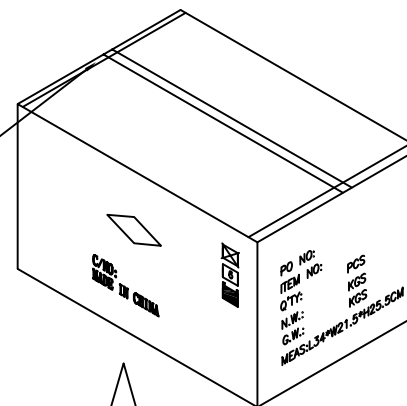
PACKAGING TAPE

CARTON

NOTES:

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

REV	MODIFICATION	DATE	DRAW	APPROVE



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	.XX± 0.20	.X*± 1.0°	DRAWING NUMBER			
	.XXX± 0.10		31401011			
APPROVE	CHECK		DRAW	PROJ.	SHEET	OF
			KONGLEI 2024,07,21	SCALE 1:1	3	3
				SIZE A3	REV	A