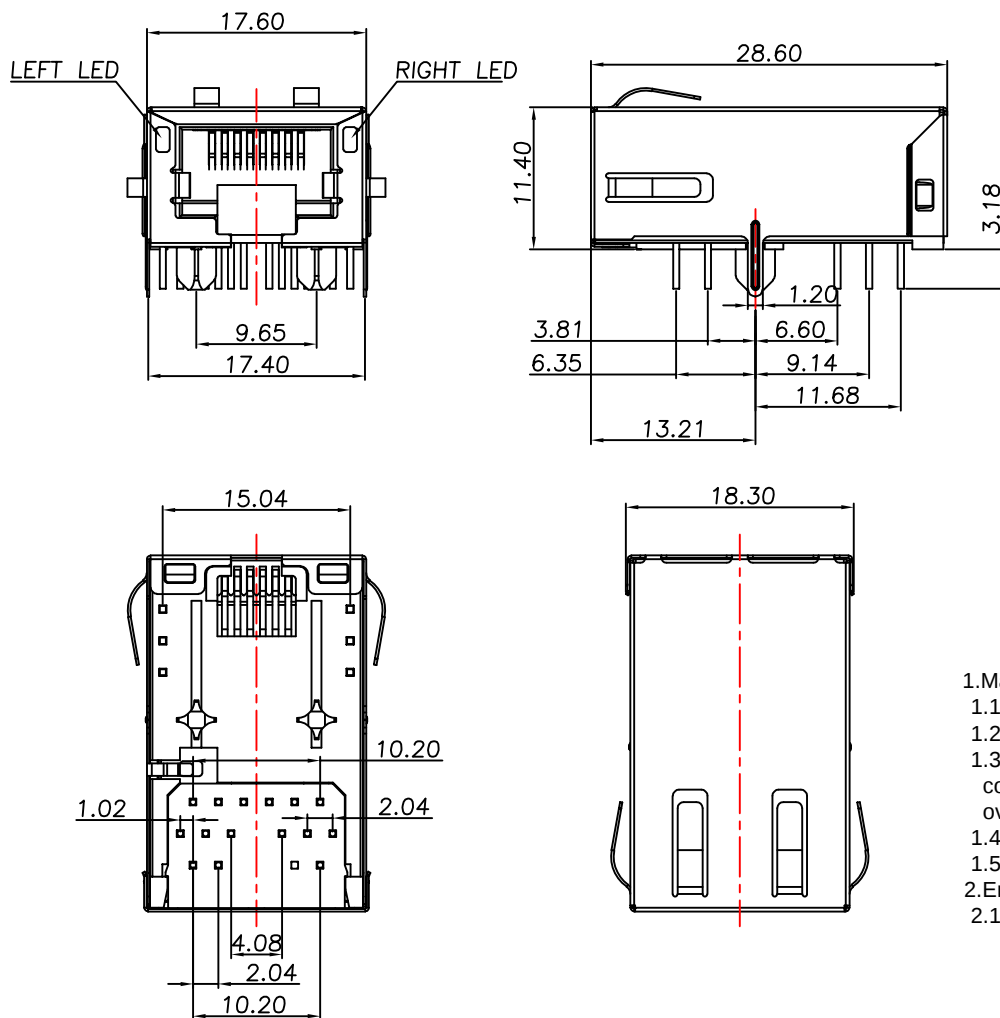
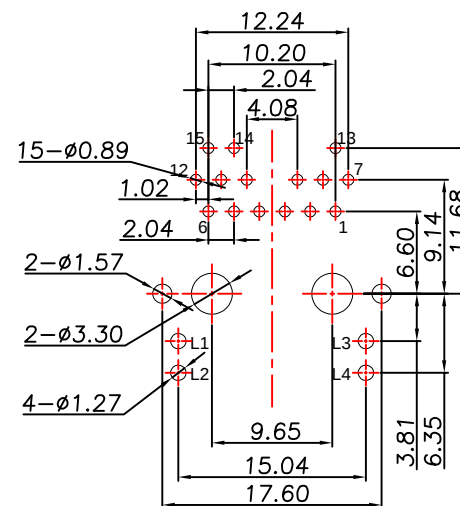


RoHS Compliant

Mechanical:



REV	MODIFICATION	DATE	DRAW	APPROVE



Suggested PCB Layout(Top View)
(Tolerance:±0.05)

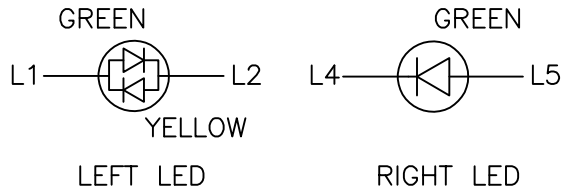
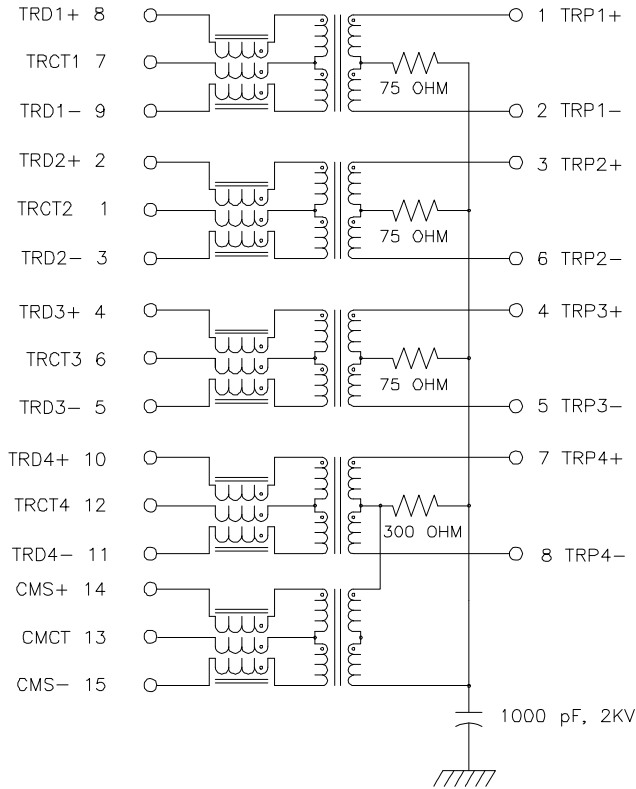
- 1.Material:
- 1.1 Housing: LCP UL94V-0 Black.
 - 1.2 Insert core:LCP UL94V-0 Black.
 - 1.3 Contact :Phosphor Bronze,Gold plated on contact area 30u",Tin plated on solder area 80u" min, overall nickel plating 30u" min.
 - 1.4 Input Terminal : CP Wire.
 - 1.5 Metal shielding:Copper alloy with Nickel plated.
- 2.Environmental requirements:
- 2.1 Lead-free process,compliant RoHS.

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-DOW 10G		
	.XX± 0.20	.X"± 1.0"	DRAWING NUMBER		
	.XXX± 0.10		91802011		
APPROVE	CHECK	DRAW	PROJ.	SHEET 1 OF 3	REV A
		CLT 2024,11,23	SCALE 1:1	SIZE A3	

RoHS Compliant

Schematic:

PCB SIDE



CABLE SIDE

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

PARAMETER	SPECIFICATIONS			
OPERATING TEMPERATURE	-40℃ TO +85℃			
URNS RATIO	1.00 ± 2%			
POLARITY	PER SCHEMATIC			
INSERTION LOSS (SDD21&SDD12)	1-65MHz	65-125MHz	125-400MHz	400-500MHz
	-0.8dB MAX	-1.0dB MAX	-2.5dB MAX	-3.5dB MAX
PHY-SIDE RETURN LOSS (SDD11-Zref=100 OHMS ± 1%) (SDD22-Zref=100 OHMS ± 1%)	1-40MHz	40-400MHz	400-500MHz	
	-18dB MIN	-18+10*LOG(f/40)dB MIN	-8+30*LOG(f/400)dB MIN	
INDUCTANCE (OCL)	120 uH MIN @ 100KHz, 100mV			
CROSSTALK, ADJACENT CHANNELS (SDD21-ADJ.)	1-100MHz		100-500MHz	
	-30dB MIN		-20dB MIN	
COMMON MODE REJECTION RATIO (SCC21)	1-100MHz	100-300MHz	300-500MHz	
	-30dB MIN	-22dB MIN	-17dB MIN	
COMM. TO DIFF REJECTION RATIO (SDC12)	1-100MHz	100-300MHz	300-500MHz	
	-32dB MIN	-27dB MIN	-22dB MIN	
PCB SIDE-CABLE SIDE ISOLATION	2250 VDC FOR 60 SECONDS			

NOTE: f IS FREQUENCY IN MHZ.

Operating and Storage Temperature:

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

Storage Temperature : -40°C to +85°C.

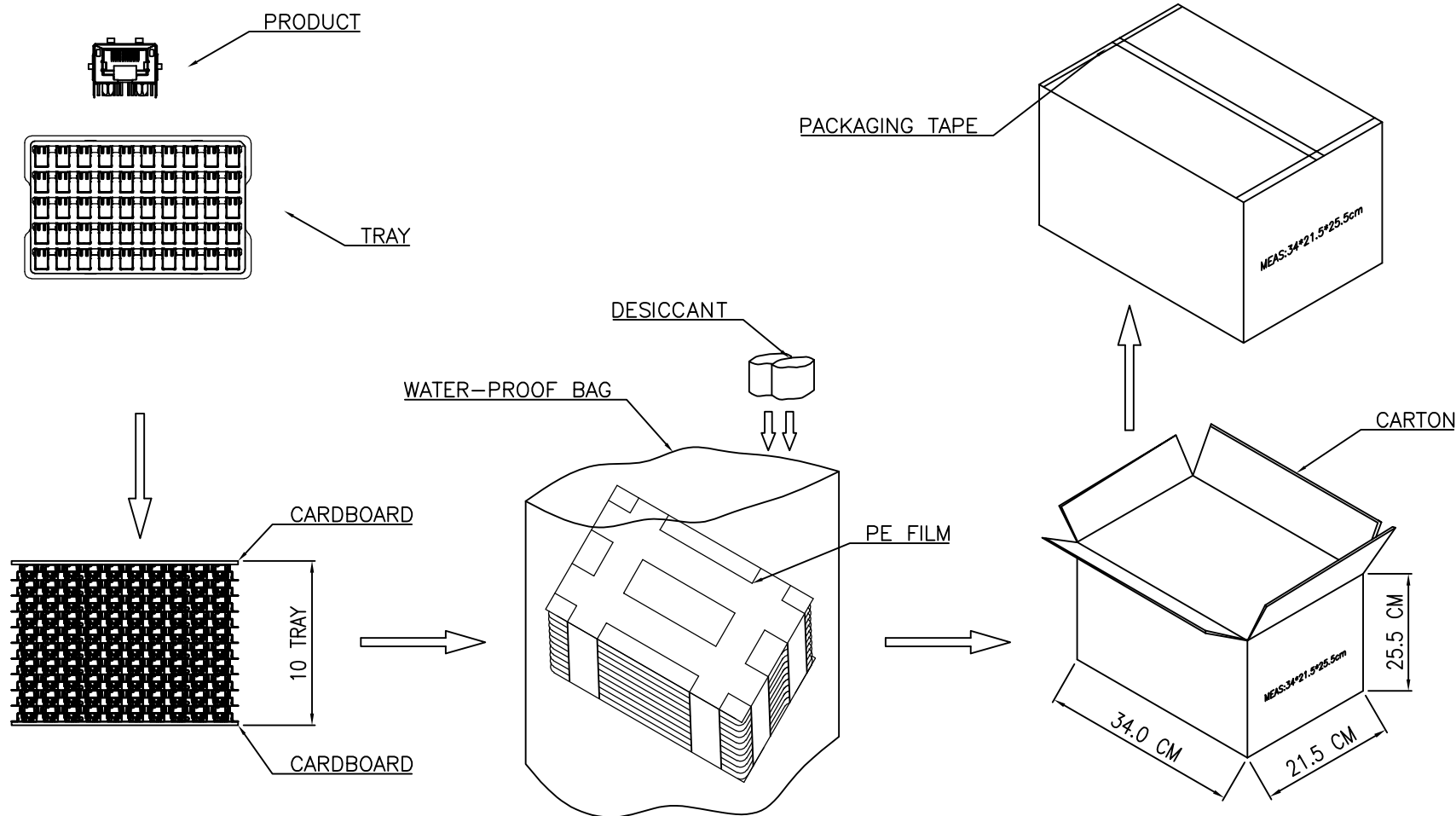
Wave soldering peak temperature:260°C.

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-DOW 10G		
	.XX± 0.20	.X.*± 1.0'	DRAWING NUMBER		
	.XXX± 0.10		91802011		
APPROVE	CHECK		DRAW	PROJ.	SHEET 2 OF 3
			CLT 2024,11,23	SCALE 1:1	SIZE A3
				REV A	

RoHS Compliant

REV	MODIFICATION	DATE	DRAW	APPROVE

Packing:



NOTES:

1. PRIMARY PACKING: 50PCS/TRAY
2. SECONDARY PACKING: 10TRAY/CARTON(500PCS/CARTON)
3. CARTON SIZE: 340x215x255mm

QC : Inspection Item	DIMENSION IN mm [Inch]		ZhenDeng Electronics Co.,Ltd			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE			
			RJ45 1X1 TAB-DOW 10G			
	.X± 0.38	X.*± 2.0'	DRAWING NUMBER			
	.XX± 0.20	.X*± 1.0'	91802011			
	.XXX± 0.10					
APPROVE	CHECK		DRAW	PROJ.		SHEET 3 OF 3
			CLT 2024,11,23	SCALE 1:1	SIZE A3	REV A