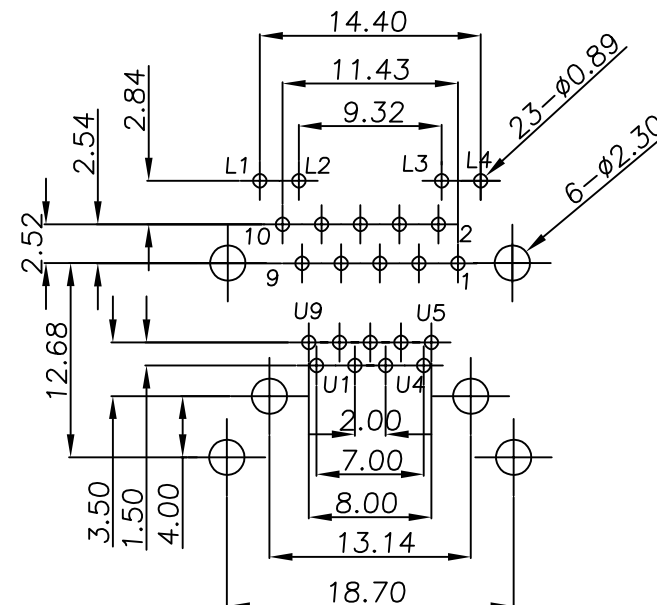
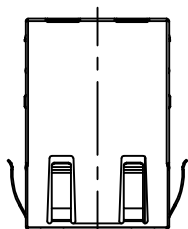
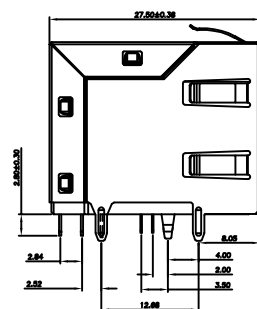
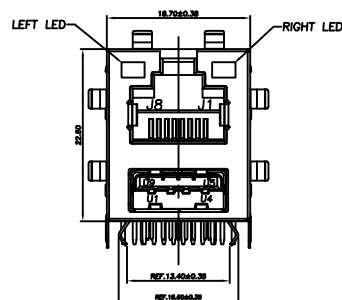
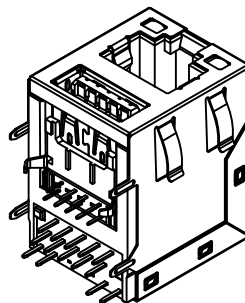
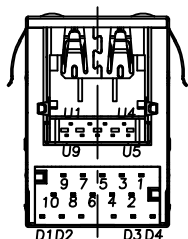


Mechanical:

REV	MODIFICATION	DATE	DRAW	APPROVE



RECOMMEND PCB LAYOUT(1:1)
ALL TOLERANCE ARE: $\pm 0.05\text{mm}$
(TOP VIEW) PCB THICKNESS=1.6mm

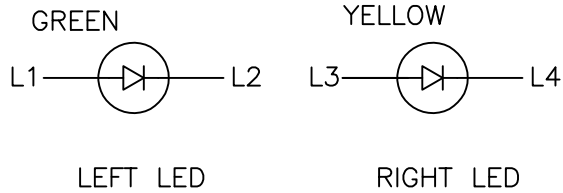
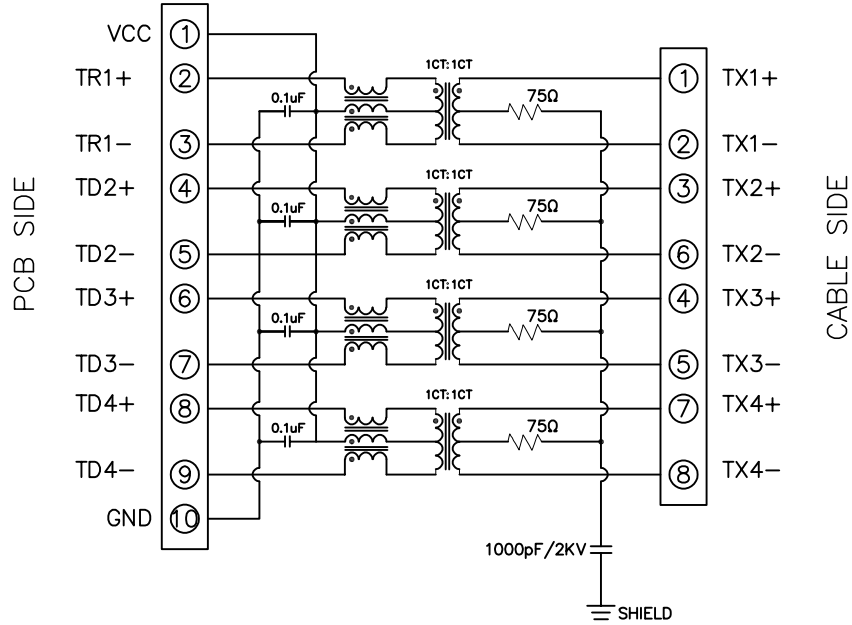
Notes:

- 1.Meets for exceeds IEEE802.3 standards
- 2.Materials:
 - 2.1 USB 3.0 Material :
 - 2.1.1 Housing : High Temperature Thermoplastic ,UL94V-0.
 - 2.1.2 Housing color : Blue.
 - 2.1.3 PIN Terminal : Phosphor Bronze.
Flash Gold plating on contact area. Nickel underplated overall.
Sn plated on solder tail area.Nickel underplated overall.
 - 2.1.4 Shell: Phosphor Copper. Nickel plating overall.
 - 2.2 RJ45 Material :
 - 2.2.1 Housing : High temperature thermoplastic ,PBT,UL94V-0.
Housing color : Black.
 - 2.2.2 Shield : Brass. Ni plated overall.
 - 2.2.3 RJ Terminal : Phosphor Bronze.
6U Gold plating on contact area. Ni underplated overall.
 - 2.2.4 PIN Terminal : Brass.
Sn plated on solder tail area. Ni underplated overall.

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 COMBO USB 3.0			
	.XX± 0.20	.X*± 1.0'	DRAWING NUMBER			
	.XXX± 0.10		61403011			
APPROVE	CHECK	DRAW CLT 2024,11,11		PROJ. 	SHEET 1 OF 3	
				SCALE 1:1	SIZE A3	REV A

RoHS Compliant

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.

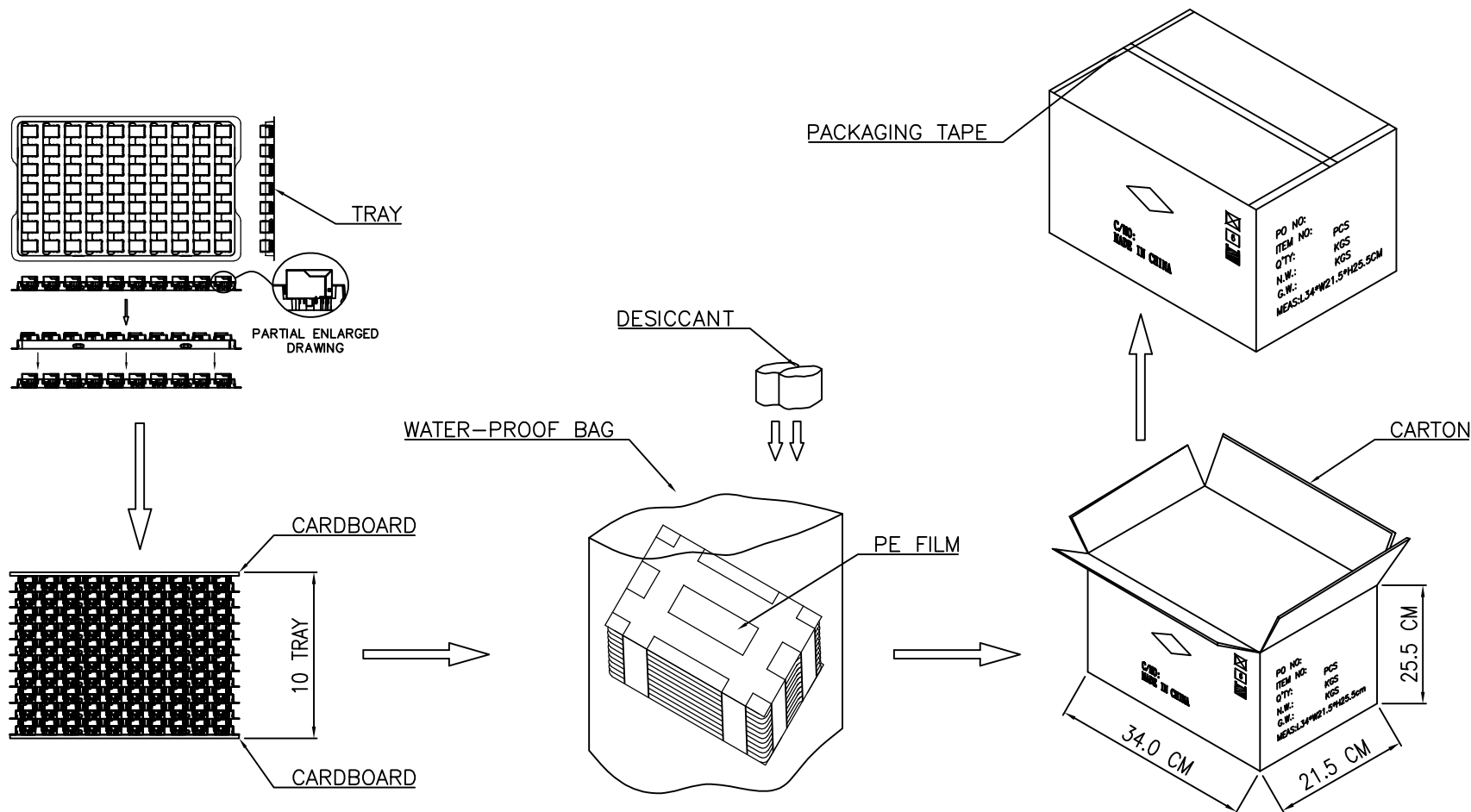
Operating and Storage Temperature:
Operating Temperature : 0°C to +70°C.
Storage Temperature : -40°C to +85°C.

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 BASE-T		
	.XX± 0.20	.X.*± 1.0'	DRAWING NUMBER		
	.XXX± 0.10		21402011		
APPROVE	CHECK	DRAW	CLT	PROJ.	SHEET 2 OF 3
		2024,05,10		SCALE 1:1	REV A
				SIZE A3	

RoHS Compliant

REV	MODIFICATION	DATE	DRAW	APPROVE

Packing:



NOTES:

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

QC : 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	PROJ.	SHEET 3 OF 3
			CLT 2024,05,10	SCALE 1:1	REV A