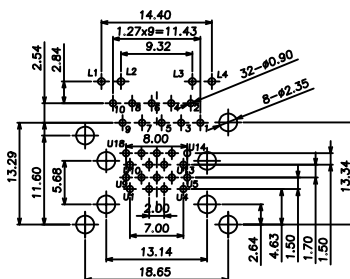
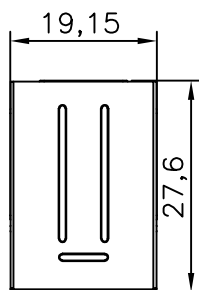
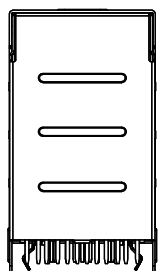
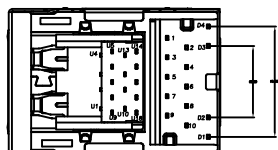
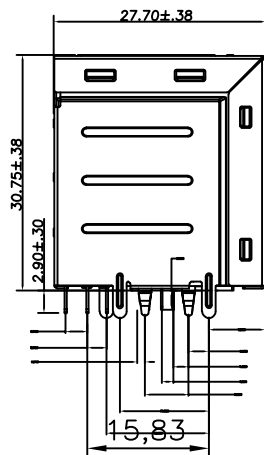
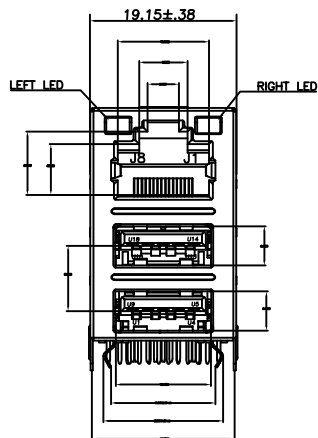


RoHS Compliant

Mechanical:



RECOMMENDED P.C.B LAYOUT(PCB THICKNESS: 1.6mm)
COMPONENT SIDE VIEW(TOLERANCE: ±0.05mm)

SPECIFICATIONS :

1.Connector Material:

1-1.Housing&Insertion Base: Thermo plastics, PBT,UL94V-0.

2.RJ45 Terminal:

2-1.Phosphor Bronze C5191.Thickness=0.30mm.

2-2.Gold plating 30u' on RJ45 contact area.

2-3. Tin Plating 80u" on solder tail area

2-4.45u" min Ni underplating over all.

3.Shell:

3-1.Thickness=0.25mm

3-2.Material: SUS,pre-soldering on pins.

4.USB (3.2 Gen2):

Material Specification:

4-1.Housing:Thermo plastics,PBT, UL94V-0.Color:BLUE.

4-2.Shell: SPCC or SUS or Brass.Thickness=0.25mm.Nickel plating overall

4-3.Contacts:Brass(C2680) T=0.25.

5.Plating Specification:

Contacts: 30u" on contact area" & 80u"matte Tin plated & 50u"Nickel plated

6.Mechanical Performance.

6-1.Insertion Force:3.5Kgf MAX.

6-2.Extraction Force:1.0-3.5Kgf.

6-3.Durability:1000 cycles .

7.Elecirical Performance:

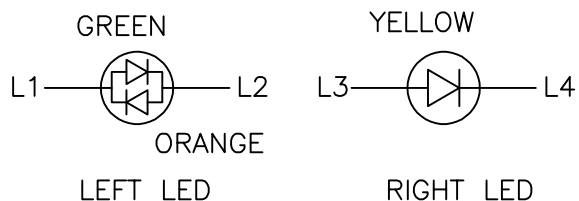
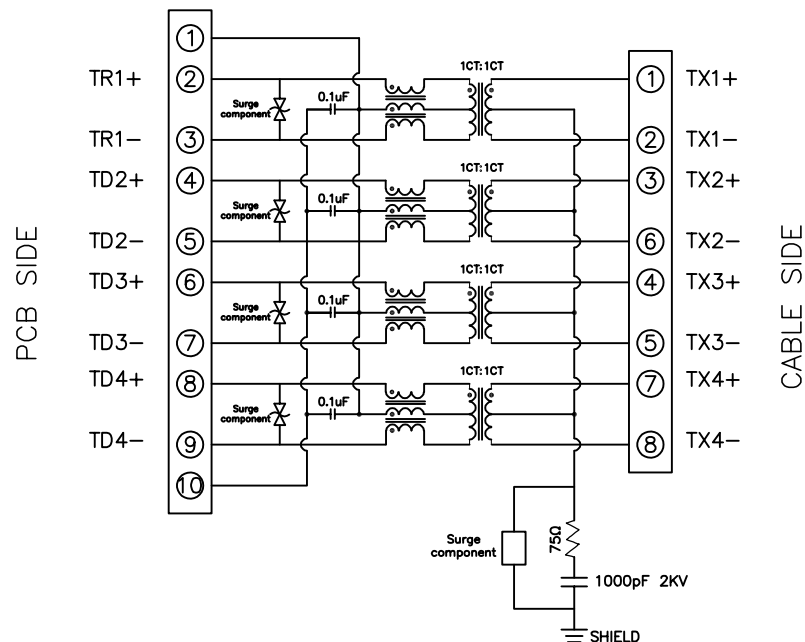
7-1.Insulation Resistance:1000M MIN.

7-2.Delectric Withstand Voltage:AC 500V for 1 minute.

QC : Inspection Item	DIMENSION IN mm [Inch]		ZhenDeng Electronics Co.,Ltd			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE			
	.X± 0.38	X."± 2.0"	RJ45 2.5G COMBO U3.2 Gen2			
	.XX± 0.20	.X"± 1.0"	DRAWING NUMBER			
	.XXX± 0.10		62406011			
	APPROVE	CHECK	DRAW	PROJ.	SHEET 1 OF 3	
		CLT 2024,11,11		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	
TURN'S 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 (SDG12)	10-125MHz	
	-45+f/35 dB MIN	
INPUT-OUTPUT ISOLATION	2250 VDC FOR 60 SECONDS	

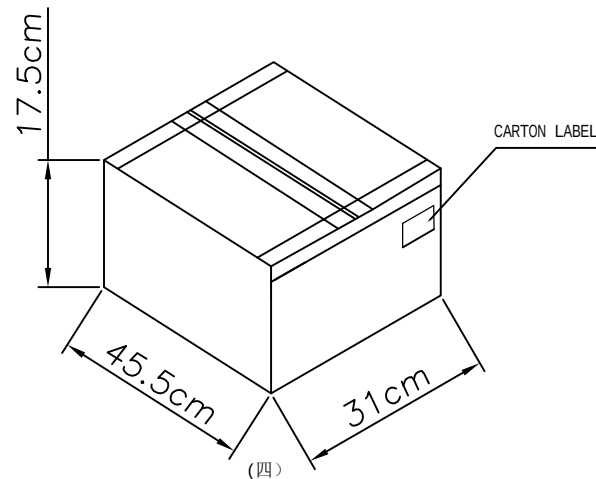
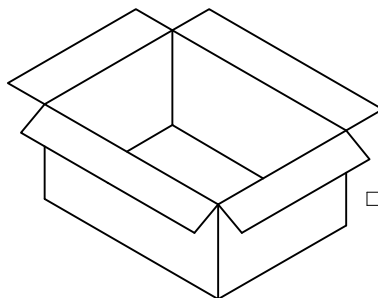
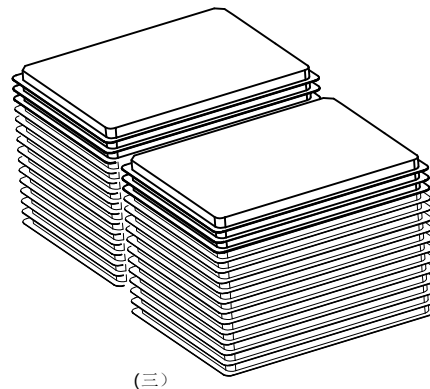
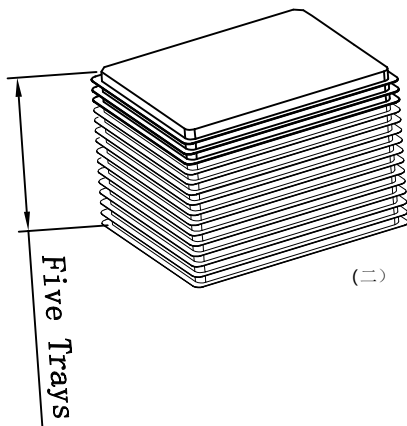
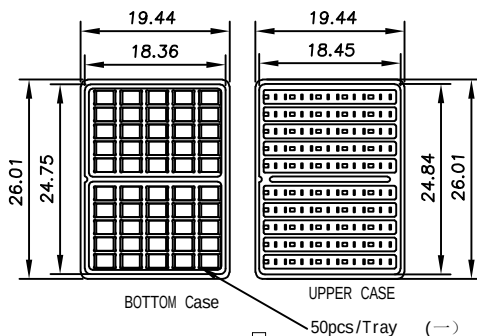
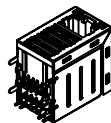
NOTE: f IS FREQUENCY IN MHz.

Operating and Storage Temperature:
Operating Temperature : -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 2.5G COMBO U3.2 Gen2		
	.XX± 0.20	.X.*± 1.0'	DRAWING NUMBER		
	.XXX± 0.10		62406011		
APPROVE	CHECK	DRAW	PROJ.	SHEET 2 OF 3	REV A
		CLT 2024,11,11	SCALE 1:1	SIZE A3	

RoHS Compliant

Packing:



NOTES:

1. PRIMARY PACKING:50PCS/TRAY
2. SECONDARY PACKING: 10TRAY/CARTON(500PCS/CARTON)
3. CARTON SIZE: 455x310x175mm

QC : Inspection Item	DIMENSION IN mm [Inch]		ZhenDeng Electronics Co.,Ltd			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE			
	.X± 0.38	X.*± 2.0'	RJ45 2.5G COMBO U3.2 Gen2			
	.XX± 0.20	.X*± 1.0'	DRAWING NUMBER			
	.XXX± 0.10		62406011			
APPROVE	CHECK		DRAW	PROJ.	SHEET 3 OF 3	REV A
			CLT 2024,11,11	SCALE 1:1	SIZE A3	