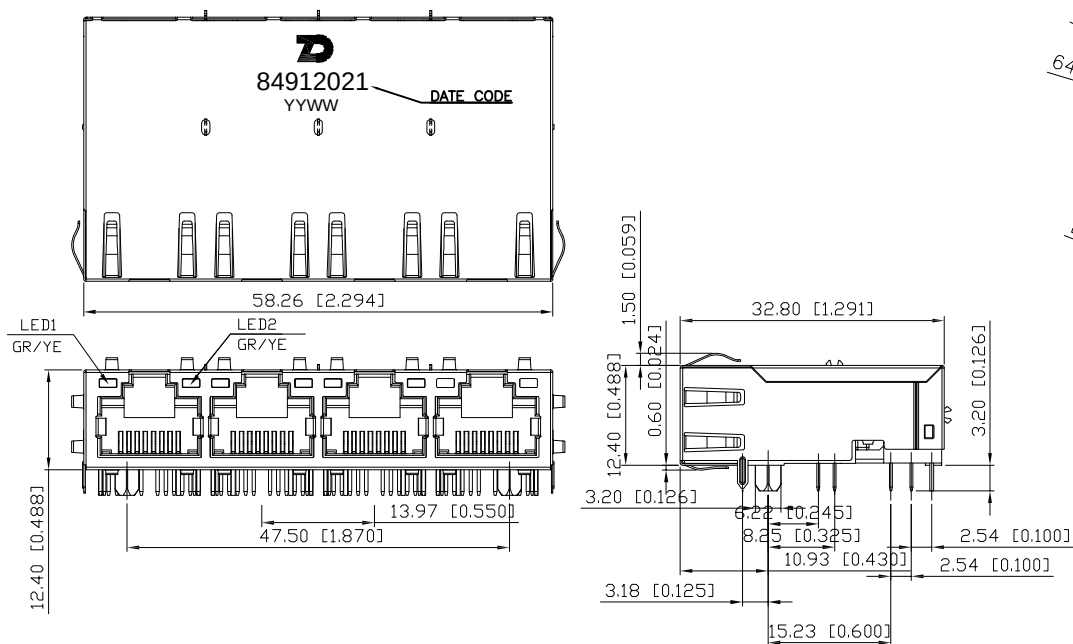
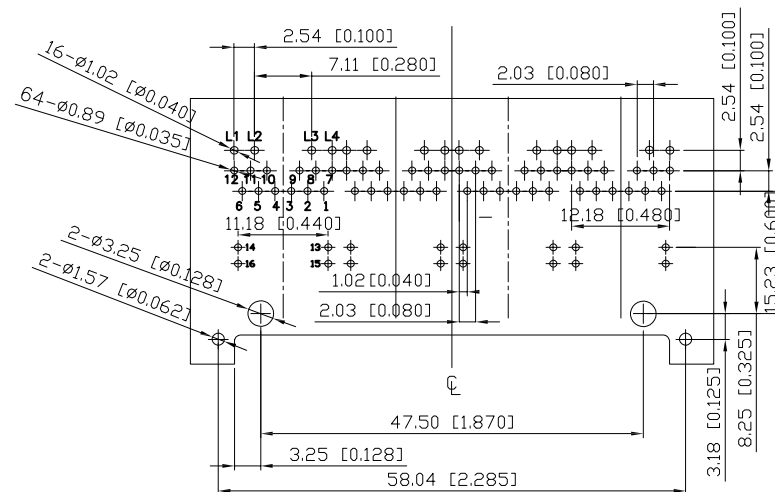


RoHS Compliant

Mechanical:



REV	MODIFICATION	DATE	DRAW	APPROVE



Suggested PCB Pad Layout
Component Side View

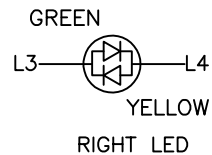
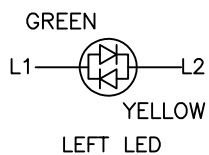
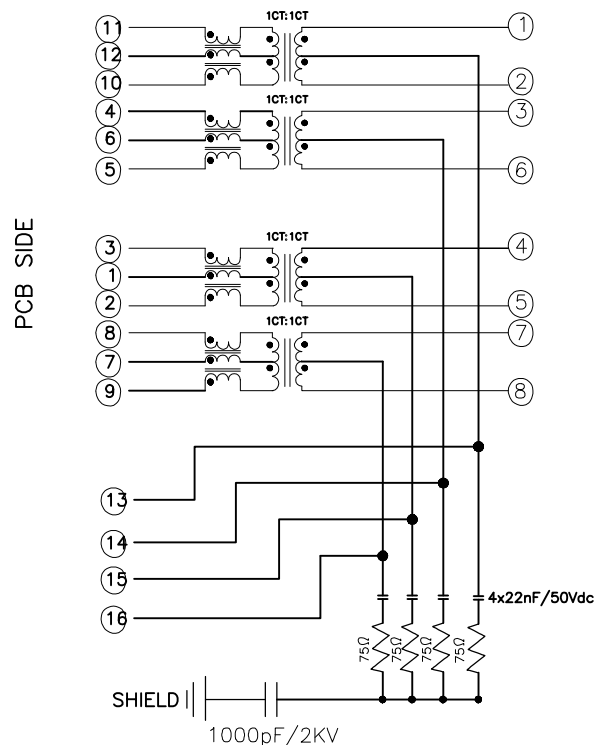
Connect Material:

Housing and inserter:LCP,UL 94V-0,Black
Contact/Shield:Copper alloy
Shield Plating:Nickel
Contact Plating:Selective gold 6u" Min

QC : Inspection Item	DIMENSION IN mm [Inch]		ZhenDeng Electronics Co.,Ltd		
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE		
	.X± 0.38	X."± 2.0"	RJ45 1X4 10G WITH POE		
	.XX± 0.20	.X"± 1.0"	DRAWING NUMBER		
	.XXX± 0.10		84912021		
APPROVE	CHECK		DRAW	PROJ.	SHEET 1 OF 3
			CLT 2024,11,27	SCALE 1:1	REV A

RoHS Compliant

Schematic:



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

PARAMETER	SPECIFICATIONS			
OPERATING TEMPERATURE	-40℃ TO +85℃			
TURNS 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%)	1MHz		2-100MHz	
	-22dB MIN		-25dB MIN	
	200-400MHz		400-500MHz	
	$-22+11*\left(\frac{f-200}{200}\right)\text{dB MIN}$		$-11+3*\left(\frac{f-400}{100}\right)\text{dB MIN}$	
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.

Compliant with IEEE 802.3bt for 10G applications

Balanced DC line current: 720mA MAX @57VDC continuous

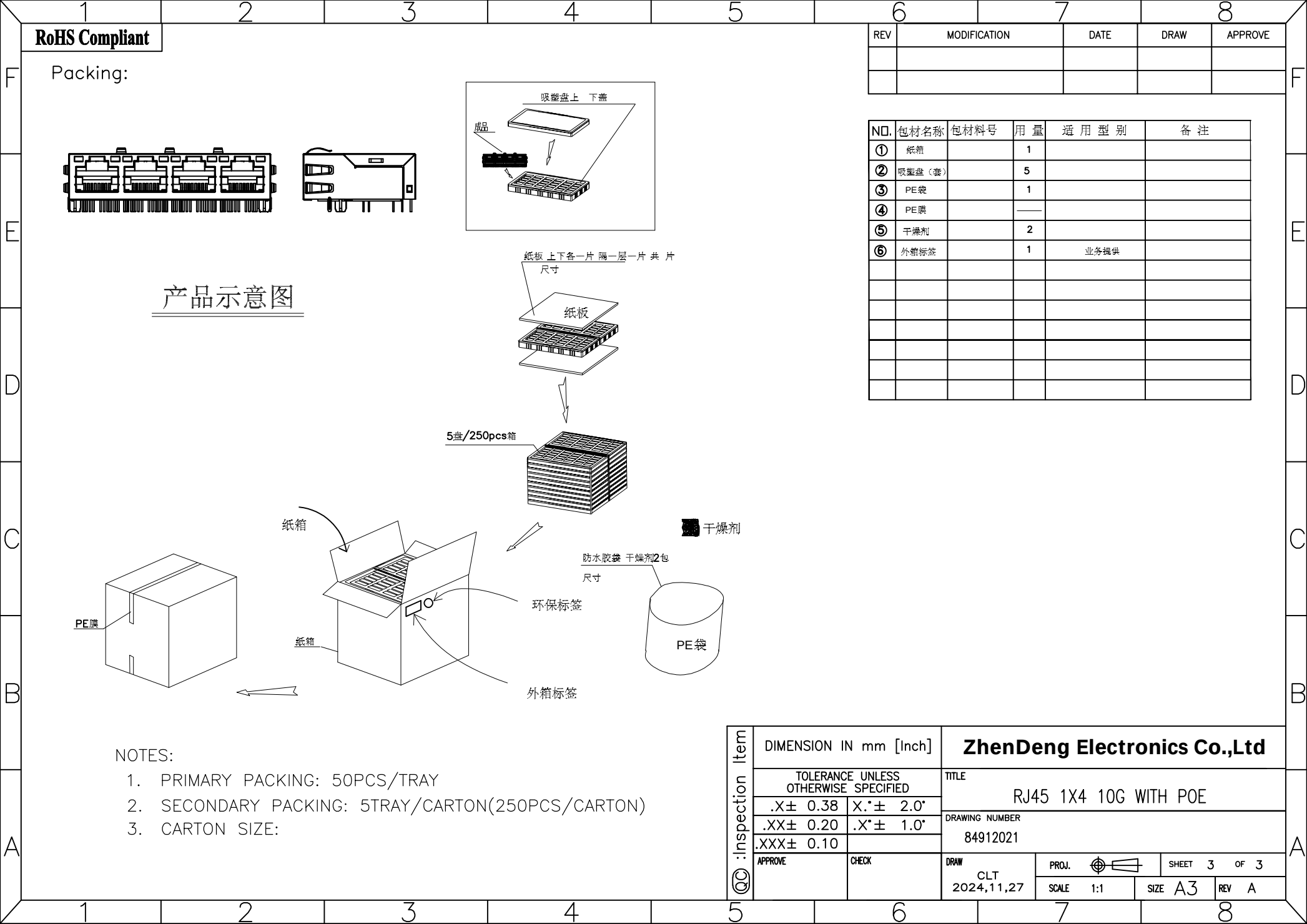
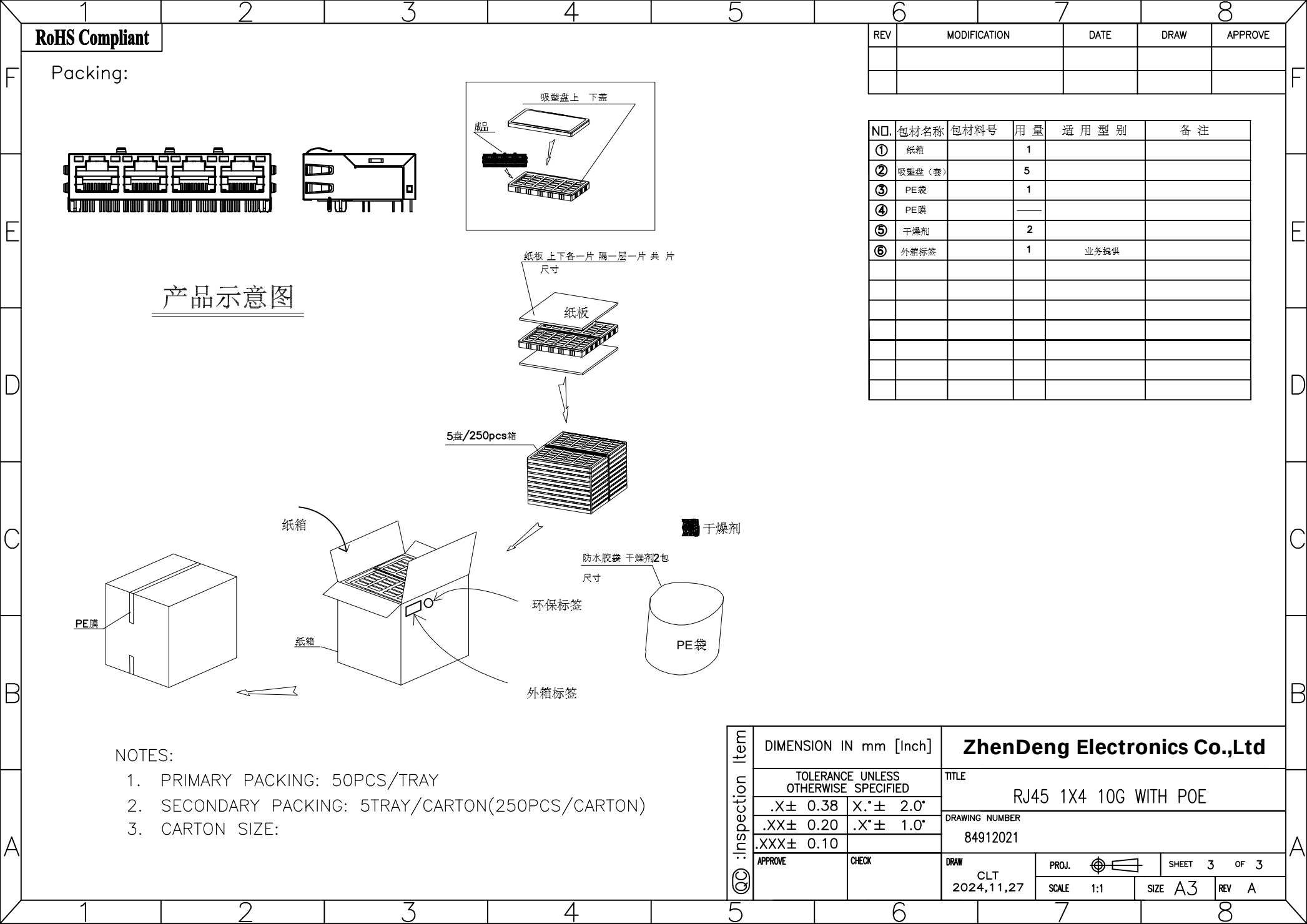
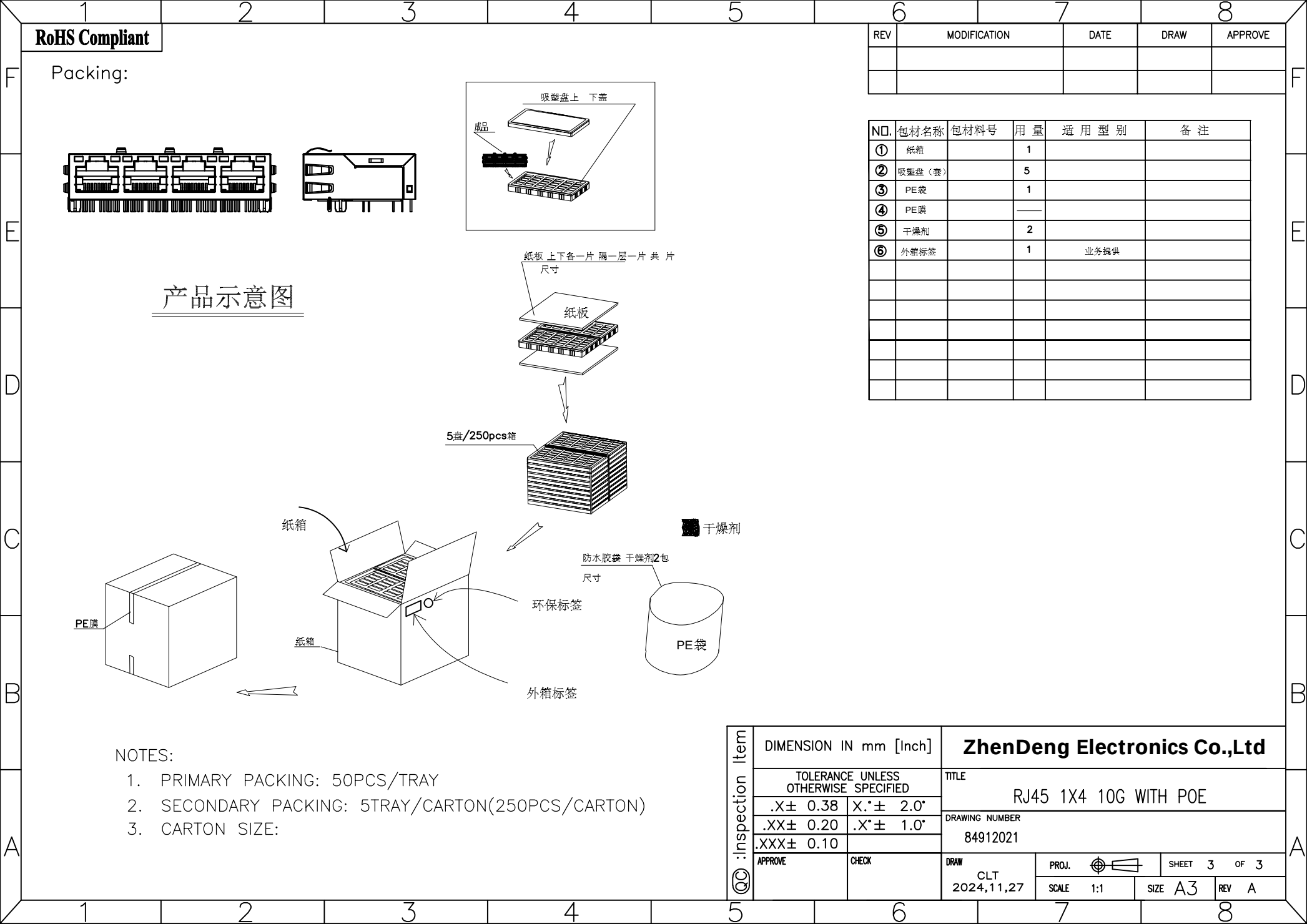
Operating and Storage Temperature:

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 1X4 10G WITH POE		
	.XX± 0.20	.X*± 1.0'	DRAWING NUMBER		
	.XXX± 0.10		84912021		
APPROVE	CHECK	DRAW	PROJ.	SHEET 2 OF 3	
		CLT 2024,11,27	SCALE 1:1	SIZE A3	REV A

[illegible][illegible]

Packing:

产品示意图

RoHS Compliant

REV MODIFICATION DATE DRAW APPROVE

NQ. 包材名称 包材料号 用 量 适 用 型 别 备 注

① 纸箱 1

② 吸塑盘（套） 5

③ PE袋 1

④ PE膜 ————

⑤ 干燥剂 2

⑥ 外箱标签 1 业务提供

成品

吸塑盘上 下盖

纸板上下各一片 隔一层一片共片尺寸

纸盒

防水胶袋 干燥剂2包

环保标签

PE袋

外箱标签

5盘/250pcs箱

干燥剂

PE膜

纸箱

NOTES:

1. PRIMARY PACKING: 50PCS/TRAY

2. SECONDARY PACKING: 5TRAY/CARTON(250PCS/CARTON)

3. CARTON SIZE:

DIMENSION IN mm [Inch]

TOLERANCE UNLESS OTHERWISE SPECIFIED

.X± 0.38 X.*± 2.0°

.XX± 0.20 .X.*± 1.0°

.XXX± 0.10

APPROVE CHECK

ZhenDeng Electronics Co.,Ltd

TITLE RJ45 1X4 10G WITH POE

DRAWING NUMBER 84912021

DRAW CLT 2024,11,27

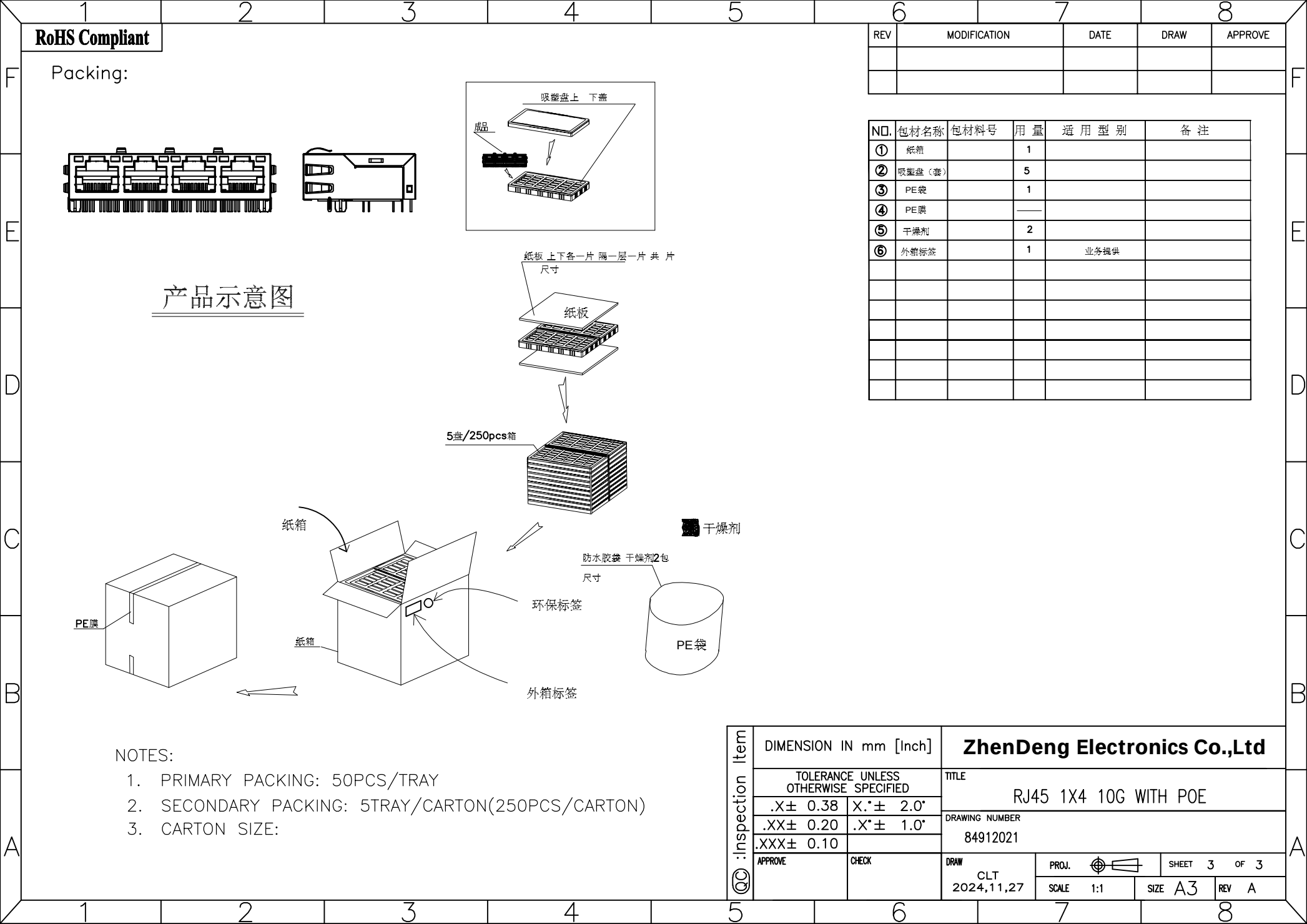
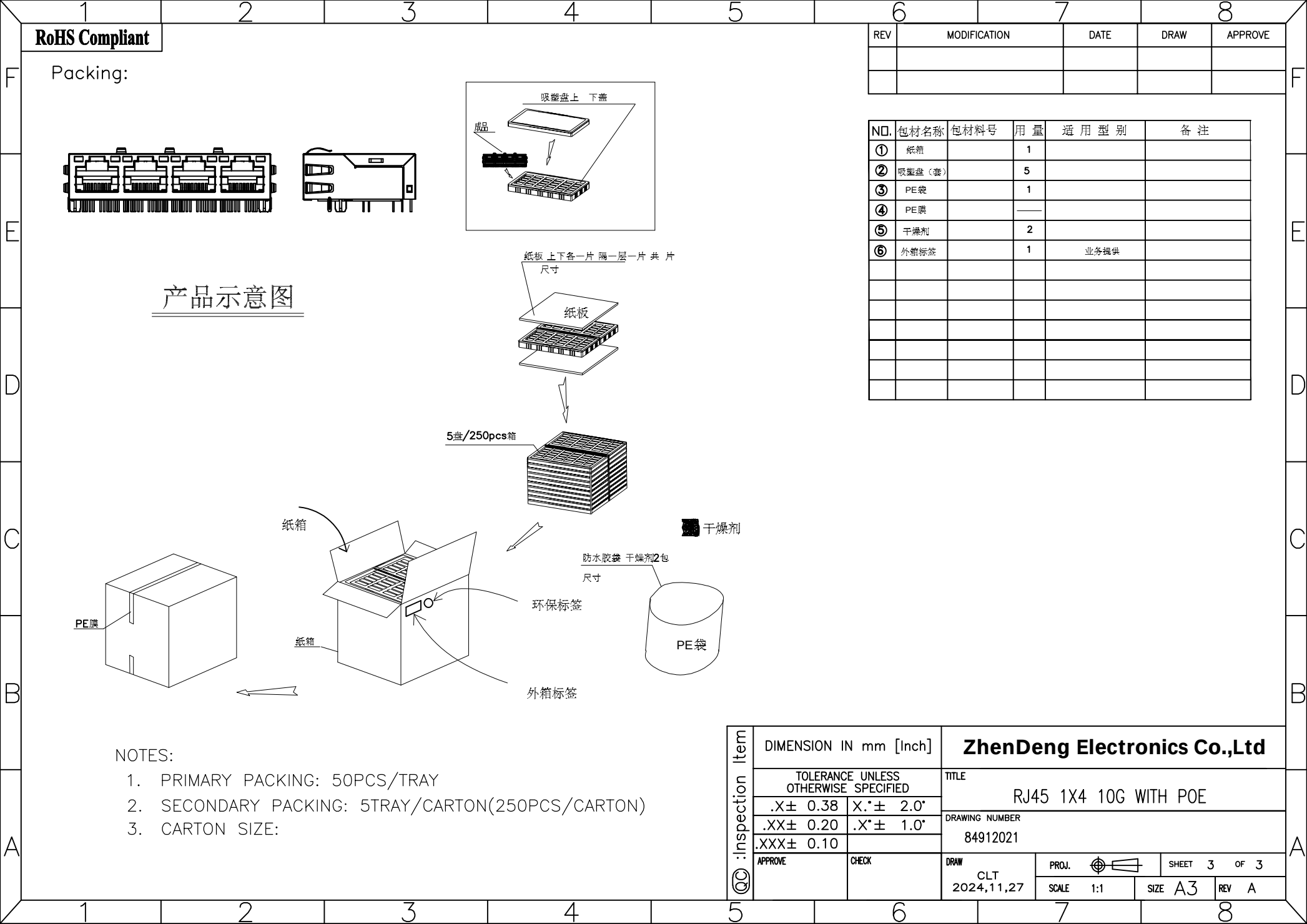
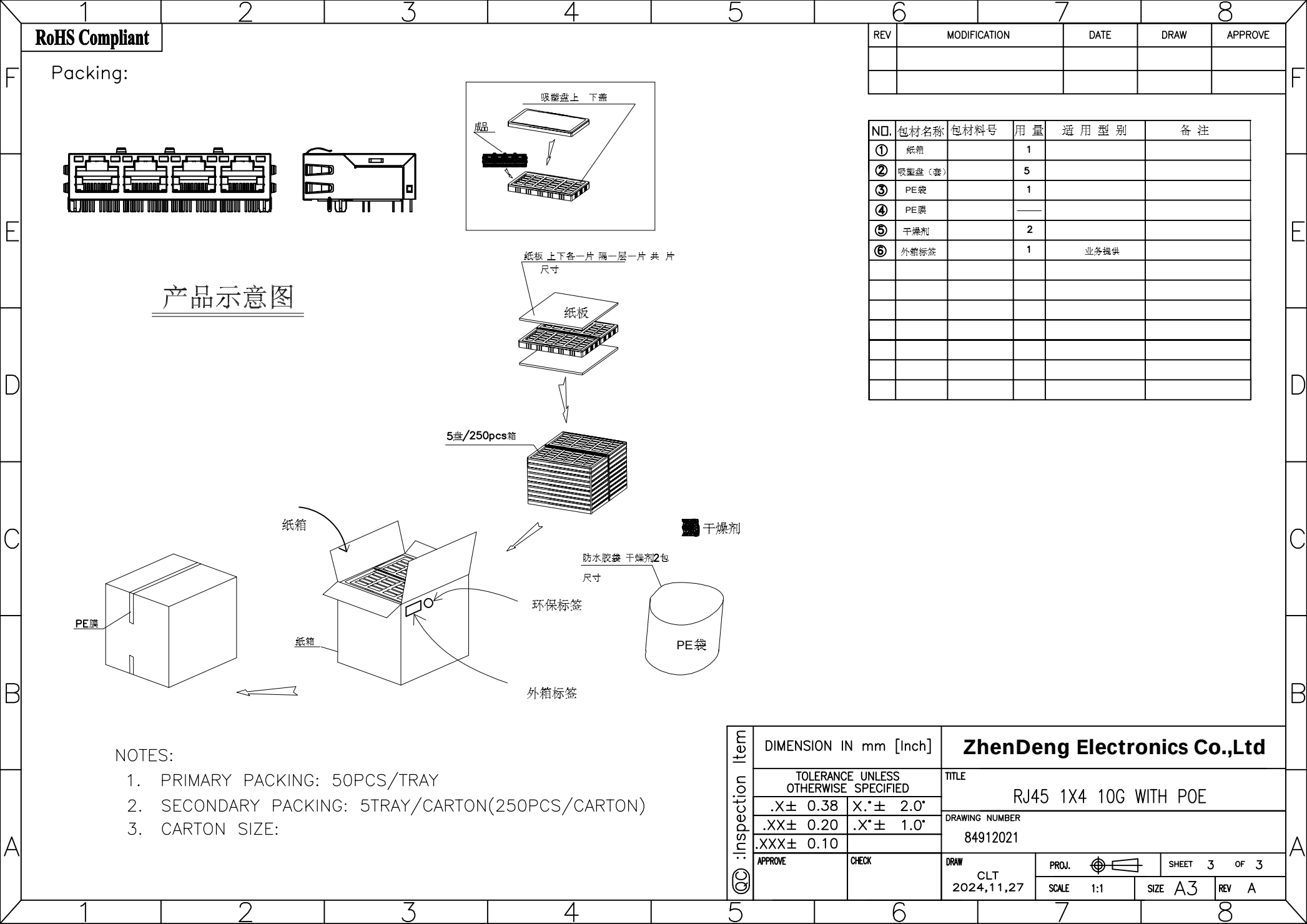
PROJ.

SHEET 3 OF 3

SCALE 1:1

SIZE A3

REV A

[illegible]

Packing:

产品示意图

RoHS Compliant

REV MODIFICATION DATE DRAW APPROVE

NO.	包材名称	包材料号	用 量	适 用 型 别	备 注
①	纸箱		1		
②	吸塑盘(套)		5		
③	PE袋		1		
④	PE膜				
⑤	干燥剂		2		
⑥	外箱标签		1	业务提供	

成品

吸塑盘上 下盖

纸板上下各一片 隔一层一片共片尺寸

5盘/250pcs箱

防水胶袋 干燥剂2包

环保标签

外箱标签

PE袋

干燥剂

PE膜

纸箱

纸箱

NOTES:

- PRIMARY PACKING: 50PCS/TRAY
- SECONDARY PACKING: 5TRAY/CARTON(250PCS/CARTON)
- CARTON SIZE:

QC : Inspection Item

DIMENSION IN mm [Inch]		ZhenDeng Electronics Co.,Ltd	
TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE	
.X± 0.38	X.*± 2.0°	RJ45 1X4 10G WITH POE	
.XX± 0.20	.X.*± 1.0°	DRAWING NUMBER	
.XXX± 0.10		84912021	
APPROVE	CHECK	DRAW CLT 2024,11,27	PROJ. SHEET 3 OF 3
		SCALE 1:1	SIZE A3 REV A

- [illegible]

Packing:

The product diagram illustrates the packaging process for RJ45 connectors. It shows individual connectors, a tray containing five connectors, and a stack of five trays labeled '5盘/250pcs箱'. The process involves placing the trays into a cardboard box, adding desiccant packets ('干燥剂'), and sealing the box with PE film. Labels include '环保标签' (environmental label) and '外箱标签' (outer box label). Dimensions are specified for various components.

产品示意图

NO.	包材名称	包材料号	用 量	适 用 型 别	备 注
①	纸箱		1		
②	吸塑盘(套)		5		
③	PE袋		1		
④	PE膜				
⑤	干燥剂		2		
⑥	外箱标签		1	业务提供	

NOTES:

- PRIMARY PACKING: 50PCS/TRAY
- SECONDARY PACKING: 5TRAY/CARTON(250PCS/CARTON)
- CARTON SIZE:

REV	MODIFICATION	DATE	DRAW	APPROVE

DIMENSION IN mm [Inch]		ZhenDeng Electronics Co.,Ltd	
TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE RJ45 1X4 10G WITH POE	
.X± 0.38	X.*± 2.0°	DRAWING NUMBER 84912021	
.XX± 0.20	.X.*± 1.0°		
.XXX± 0.10			
APPROVE	CHECK	DRAW CLT 2024,11,27	PROJ. SHEET 3 OF 3 SCALE 1:1 SIZE A3 REV A

Packing:

产品示意图

RoHS Compliant

REV MODIFICATION DATE DRAW APPROVE

NO. 包材名称 包材料号 用量 适用型别 备注

① 纸箱 1

② 吸塑盘(套) 5

③ PE袋 1

④ PE膜

⑤ 干燥剂 2

⑥ 外箱标签 1 业务提供

成品

吸塑盘上 下盖

纸板上下各一片 隔一层一片共片尺寸

纸板

5盘/250pcs箱

PE膜

纸箱

防水胶袋 干燥剂2包

环保标签

外箱标签

干燥剂

PE袋

NOTES:

1. PRIMARY PACKING: 50PCS/TRAY

2. SECONDARY PACKING: 5TRAY/CARTON(250PCS/CARTON)

3. CARTON SIZE:

DIMENSION IN mm [Inch]

TOLERANCE UNLESS OTHERWISE SPECIFIED

.X± 0.38 X.*± 2.0°

.XX± 0.20 .X.*± 1.0°

.XXX± 0.10

APPROVE CHECK

DRAW CLT 2024,11,27

PROJ.

SHEET 3 OF 3

SCALE 1:1

SIZE A3

REV A

ZhenDeng Electronics Co.,Ltd

TITLE RJ45 1X4 10G WITH POE

DRAWING NUMBER 84912021

Packing:

产品示意图

RoHS Compliant

REV MODIFICATION DATE DRAW APPROVE

NO. 包材名称 包材料号 用量 适用型别 备注

① 纸箱 1

② 吸塑盘(套) 5

③ PE袋 1

④ PE膜

⑤ 干燥剂 2

⑥ 外箱标签 1 业务提供

成品

吸塑盘上 下盖

纸板上下各一片 隔一层一片共片尺寸

纸板

5盘/250pcs箱

干燥剂

防水胶袋 干燥剂2包

PE袋

环保标签

外箱标签

PE膜

纸箱

纸箱

NOTES:

1. PRIMARY PACKING: 50PCS/TRAY

2. SECONDARY PACKING: 5TRAY/CARTON(250PCS/CARTON)

3. CARTON SIZE:

DIMENSION IN mm [Inch]

TOLERANCE UNLESS OTHERWISE SPECIFIED

.X± 0.38 X.*± 2.0°

.XX± 0.20 .X.*± 1.0°

.XXX± 0.10

APPROVE CHECK

DRAW CLT 2024,11,27

PROJ.

SHEET 3 OF 3

SCALE 1:1

SIZE A3

REV A

ZhenDeng Electronics Co.,Ltd

TITLE RJ45 1X4 10G WITH POE

DRAWING NUMBER 84912021