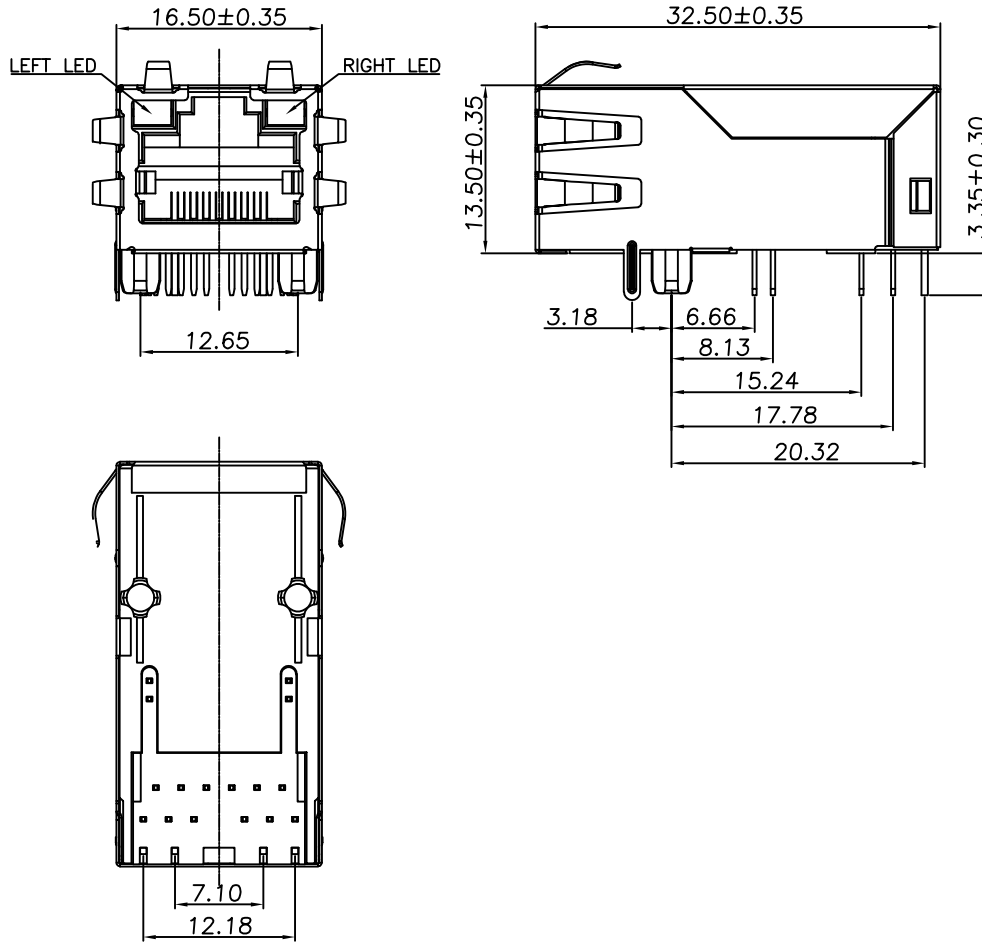


RoHS Compliant

Mechanical:

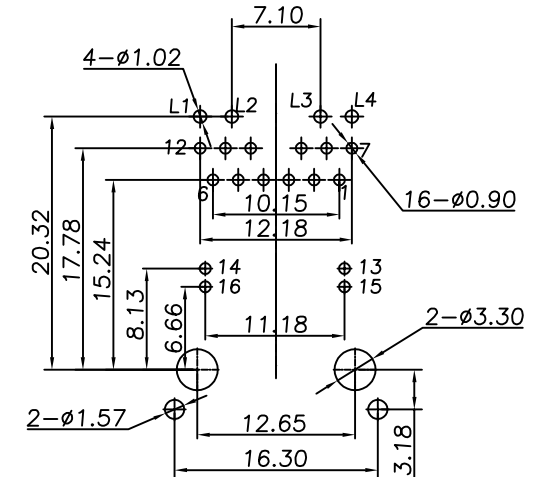


1. Material:

- 1.1 Housing: PBT UL94V-0 Black.
Insert: PBT UL94V-0 Black.
- 1.2 Shell: 30u" Ni Over Brass(C2680), T=0.20mm.
- 1.3 RJ45 Terminal: Phosphor Bronze(C5191) T=0.35mm
Plating: 30u" Gold Plated On Contact Area,
80u" ~120u" Tin Plated On Solder Area,
50u" ~80u" Ni Underplated Overall.
- 1.4 Tail Terminal: Brass(C2680) T=0.35mm,
Plating: 80u" ~120u" Tin Plated Over,
30u" ~50u" Ni Underplated Overall.

2. Environmental requirements:

- 2.1 Lead-free process, compliant RoHS.

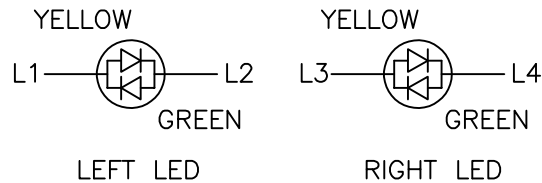
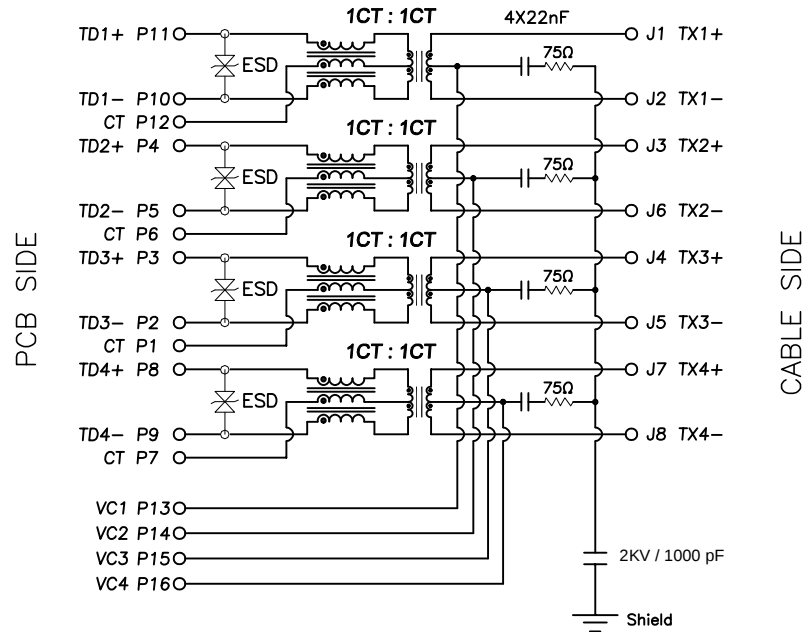


RECOMMENDED P.C.B. LAYOUT(PCB THICKNESS: 1.6mm)
COMPONENT SIDE VIEW(TOLERANCE: ± 0.05 mm)

QC Inspection Item	DIMENSION IN mm [Inch]		ZhenDeng Electronics Co.,Ltd			
	TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE			
	.X $\pm$ 0.38	X.* $\pm$ 2.0°	RJ45 1X1 10G WITH POE			
	.XX $\pm$ 0.20	.X.* $\pm$ 1.0°	DRAWING NUMBER			
	.XXX $\pm$ 0.10		81901011			
APPROVE	CHECK		DRAW	PROJ.	SHEET 1 OF 3	
			KONGLEI 2024,07,21		SCALE 1:1	REV A
					SIZE A3	

RoHS Compliant

Schematic:



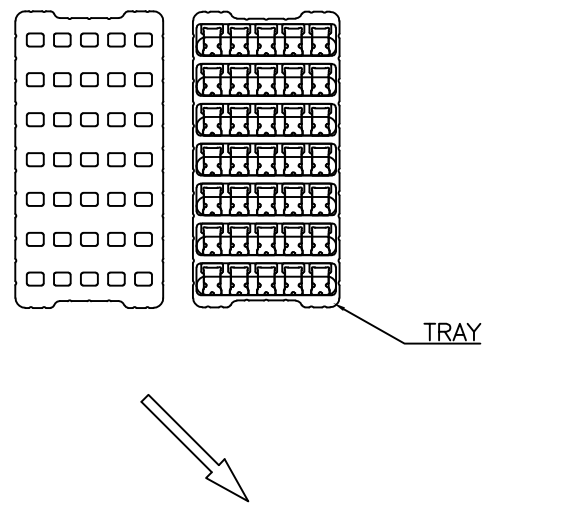
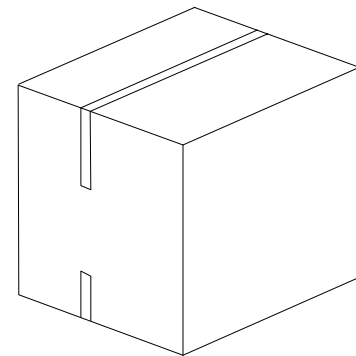
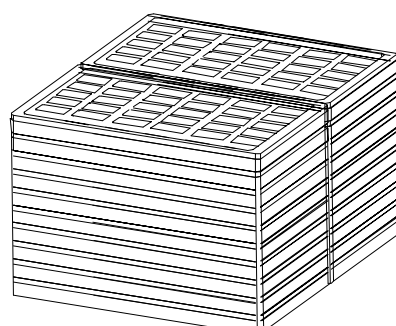
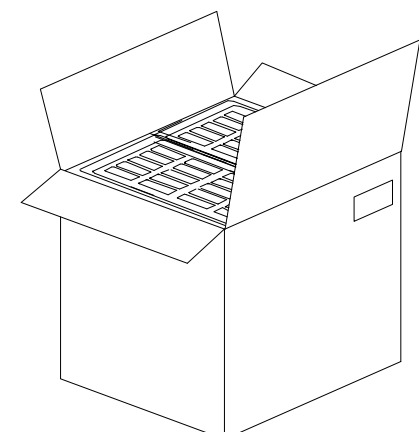
REV	MODIFICATION	DATE	DRAW	APPROVE

Electrical Specifications @25°C								
Turns Ratio (±2%)		OCL (uH Min.) ●100 KHz/0.1V with 8mA DC Bias	Cross talk (dB Min.)				Hi-POT 1.0 mA (V)	
TX	RX		0.5-10 MHz	30 MHz	50 MHz	100 MHz	WITHOUT RESISTOR	WITH RESISTOR
1CT:1CT	1CT:1CT	350	-50	-40	-35	-30	1500 AC	2250 DC

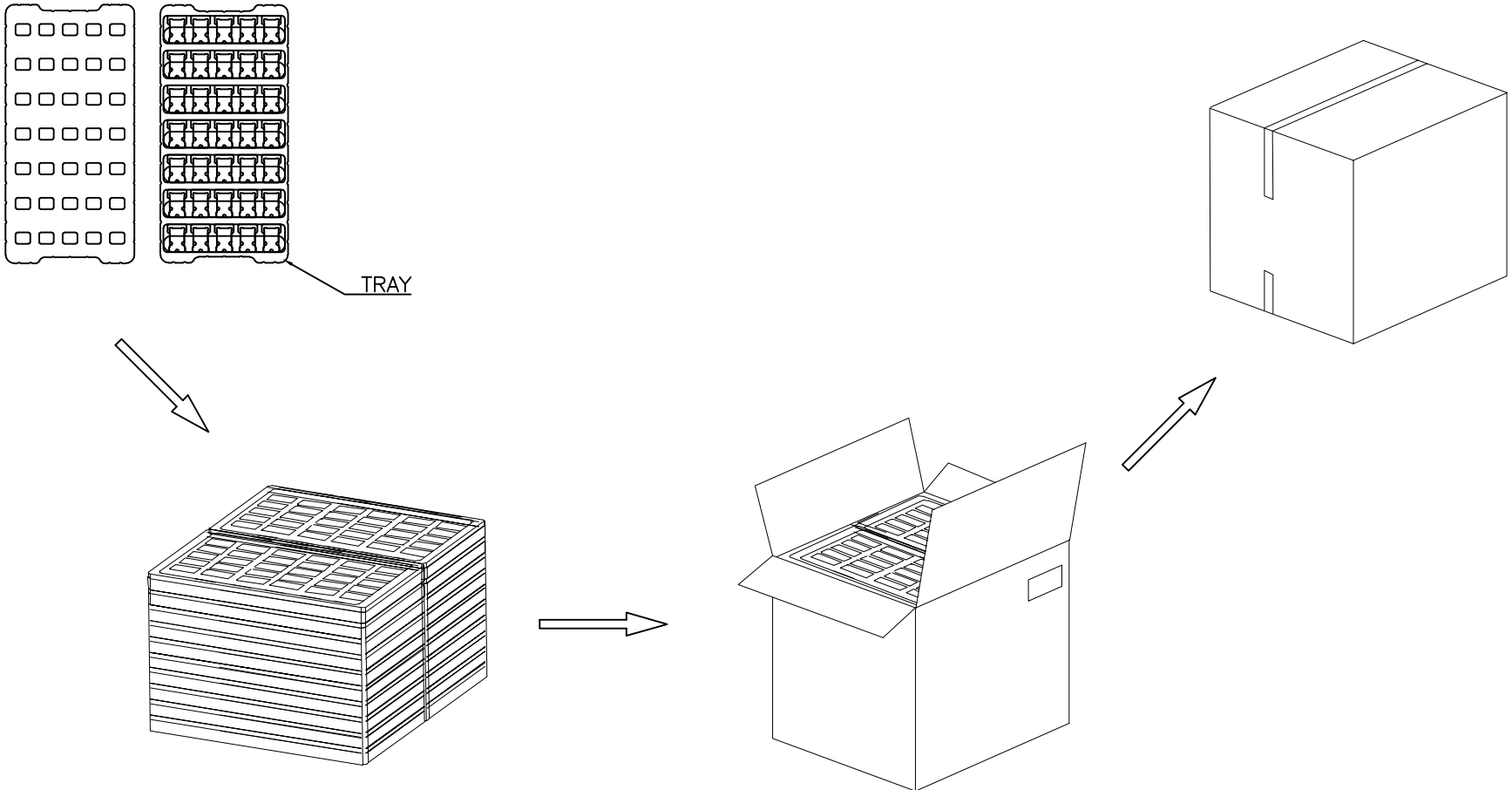
Continue						
Insertion Loss (dB Max.)		Return Loss (dB Min.) ● Load 100 OHM				CMR (dB Min.)
1-100 MHz	100-125 MHz (10/100/1000)	1-30 MHz	30-50 MHz	60 MHz	60-80 MHz	80-100 MHz (10/100/1000)
-1.0	-1.2	-18	-16	-14	-12	-10

DC current:1A 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.

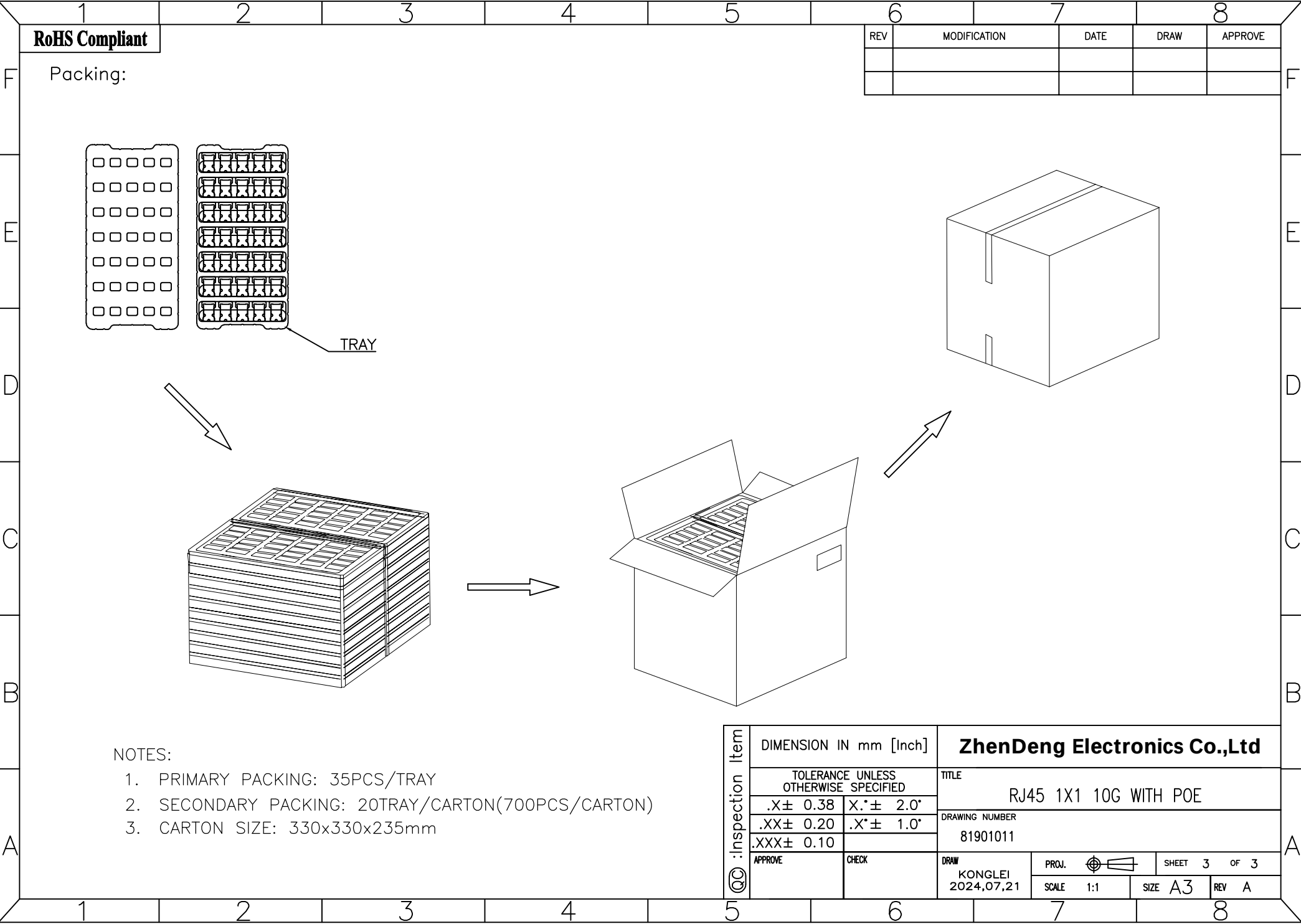
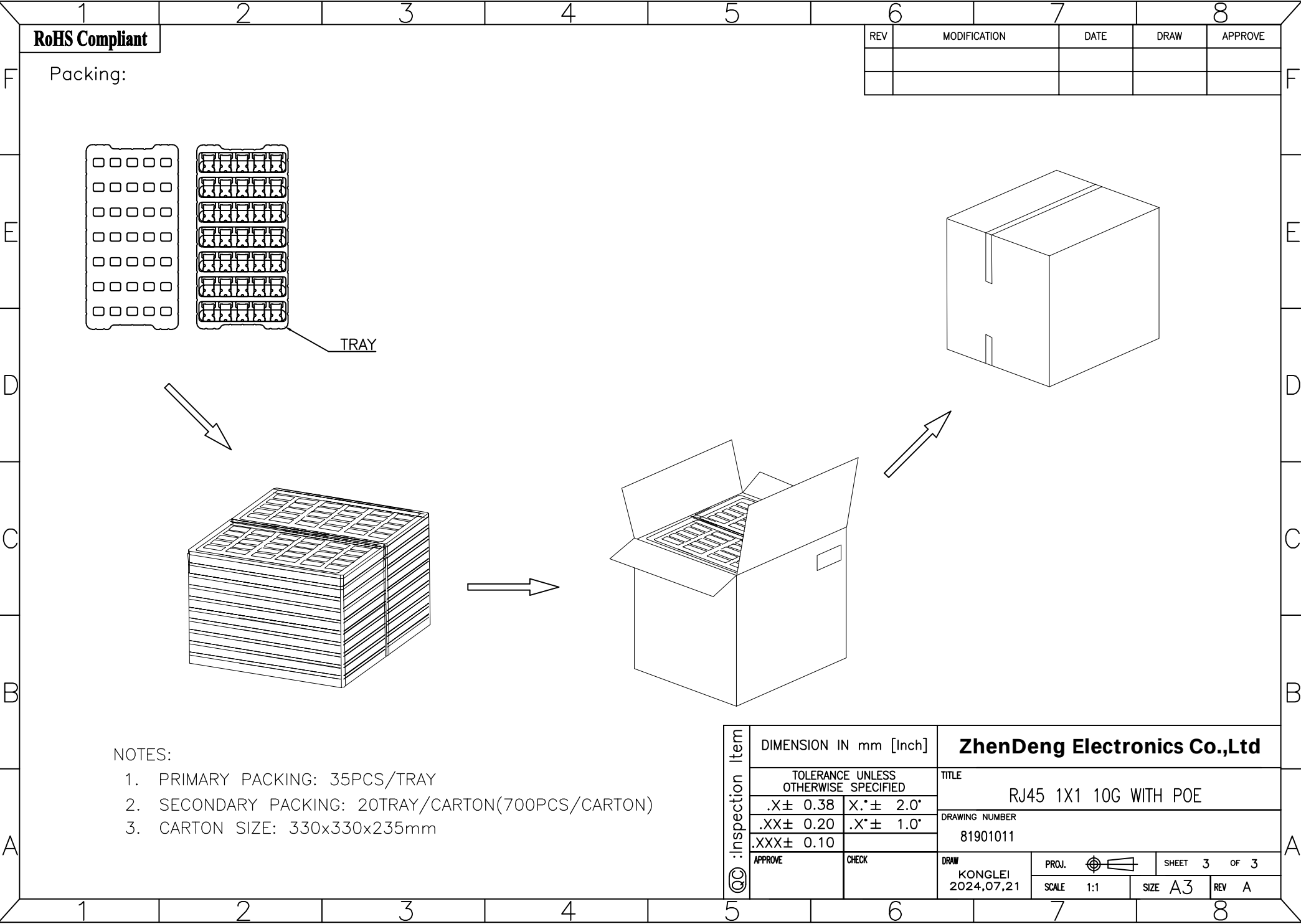
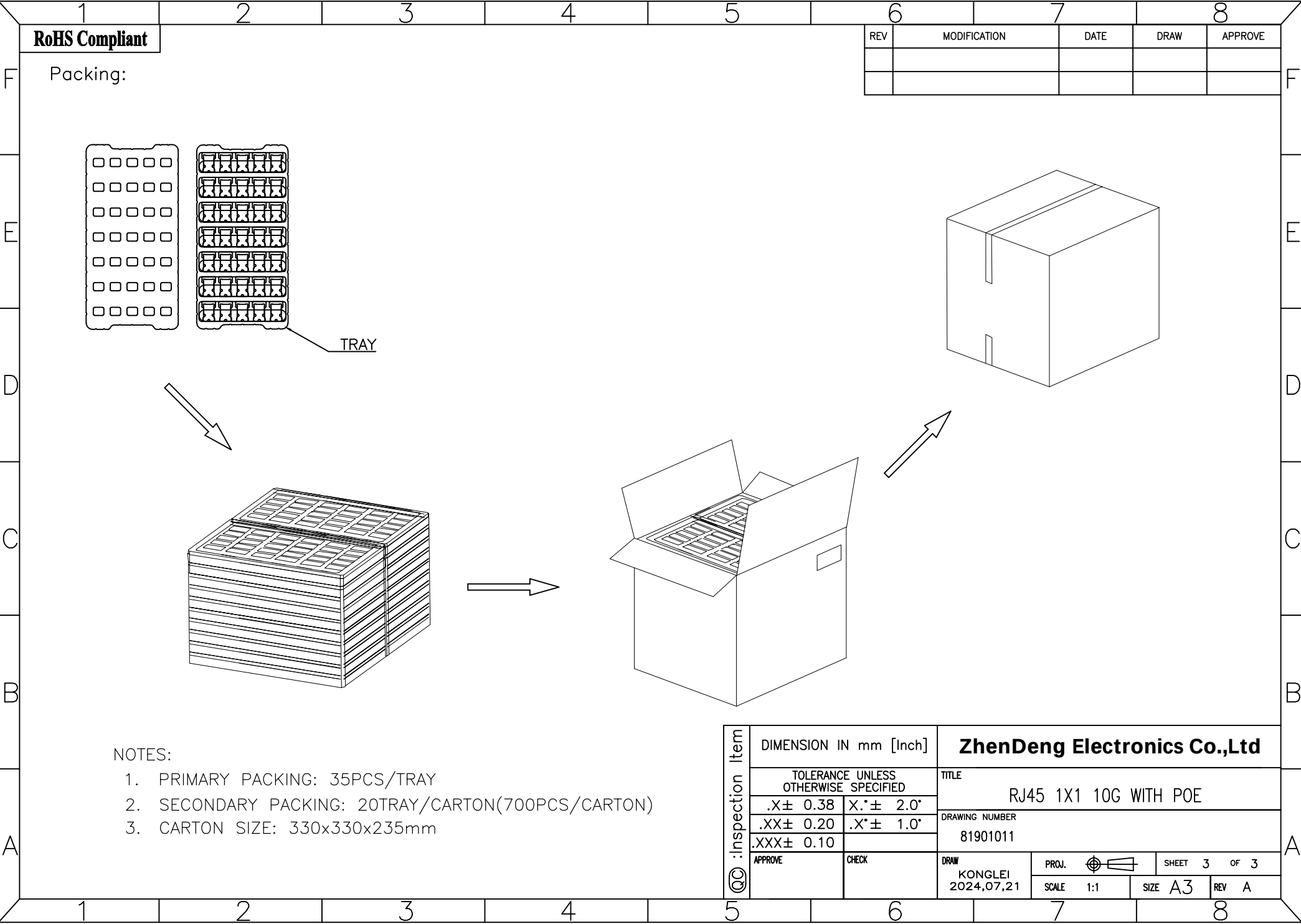
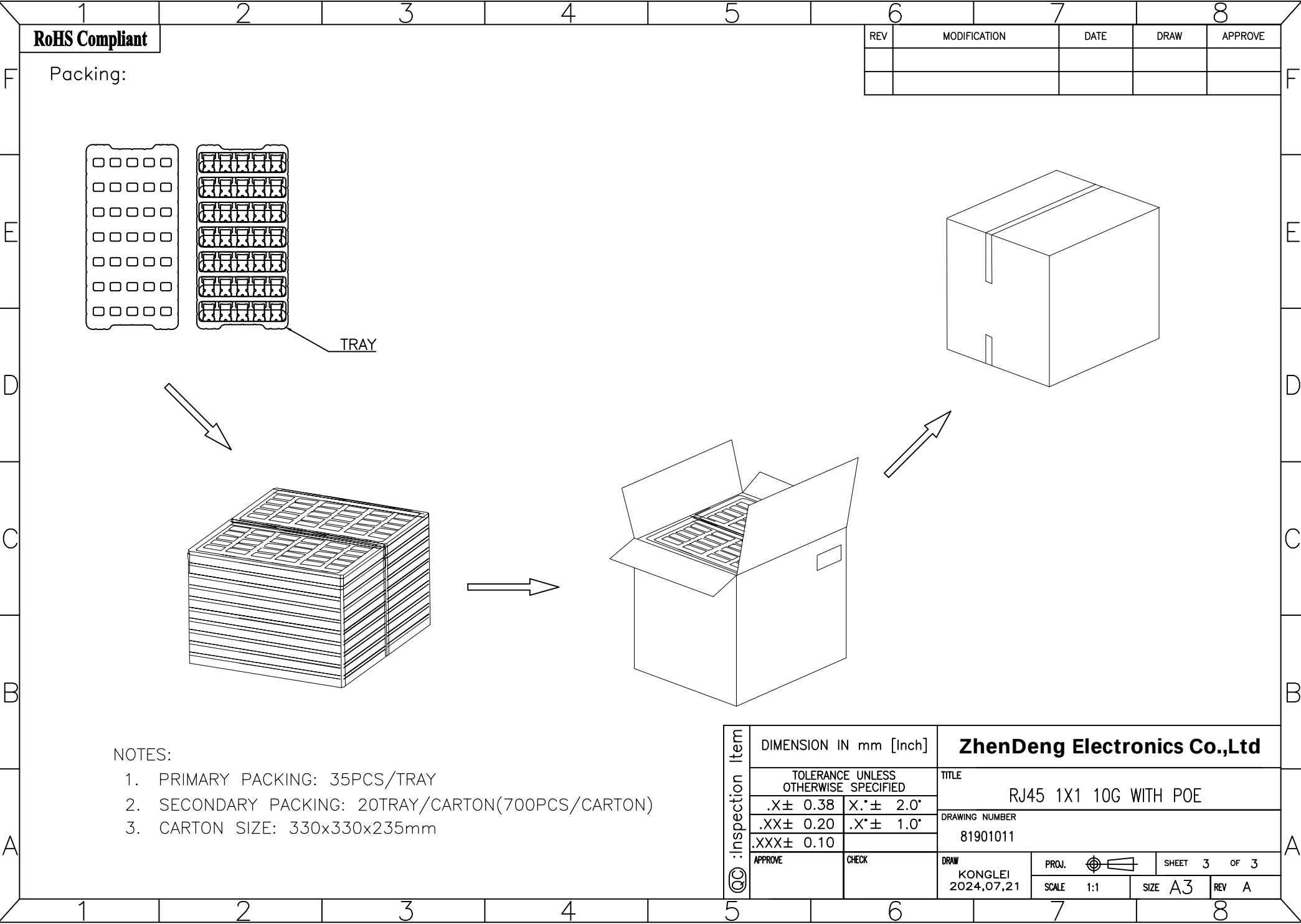
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APPROVE	CHECK	DRAW	PROJ. 		
		KONGLEI 2024,07,21	SCALE 1:1	SIZE A3	SHEET 2 OF 3
				REV A	

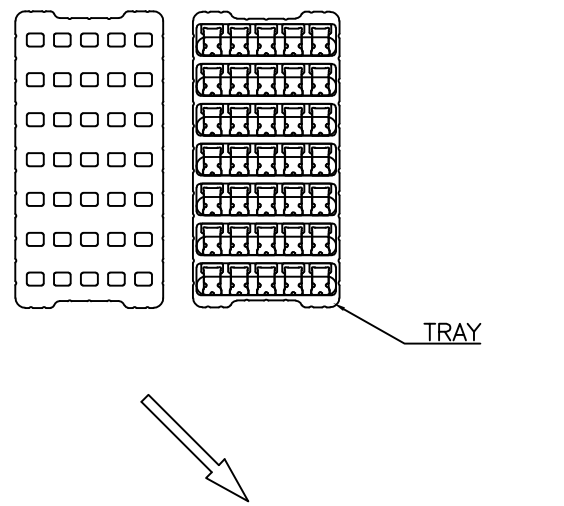
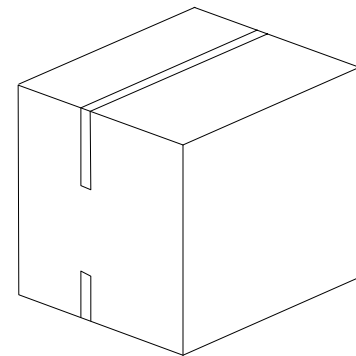
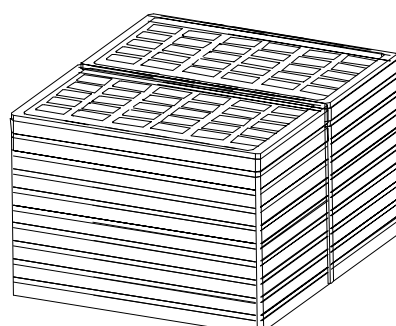
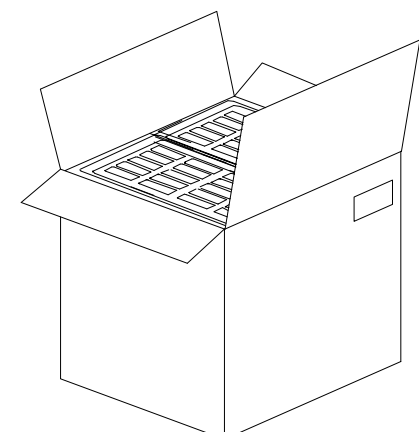
	1	2	3	4	5	6	7	8			
F	RoHS Compliant					REV		MODIFICATION	DATE	DRAW	APPROVE
E	Packing:										
D											
C											
B											
A	NOTES: 1. PRIMARY PACKING: 35PCS/TRAY 2. SECONDARY PACKING: 20TRAY/CARTON(700PCS/CARTON) 3. CARTON SIZE: 330x330x235mm										
	1	2	3	4	5	6	7	8			

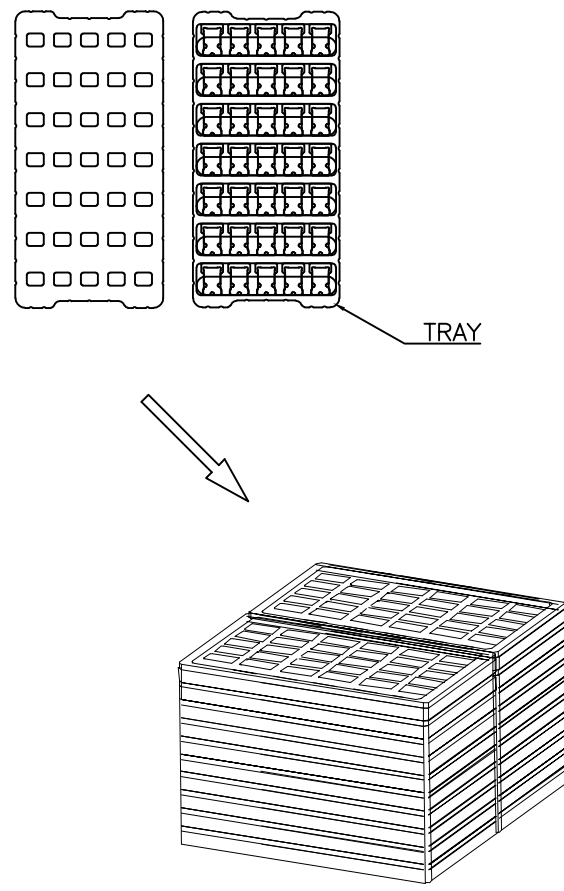
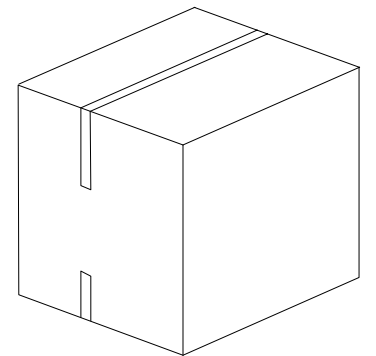
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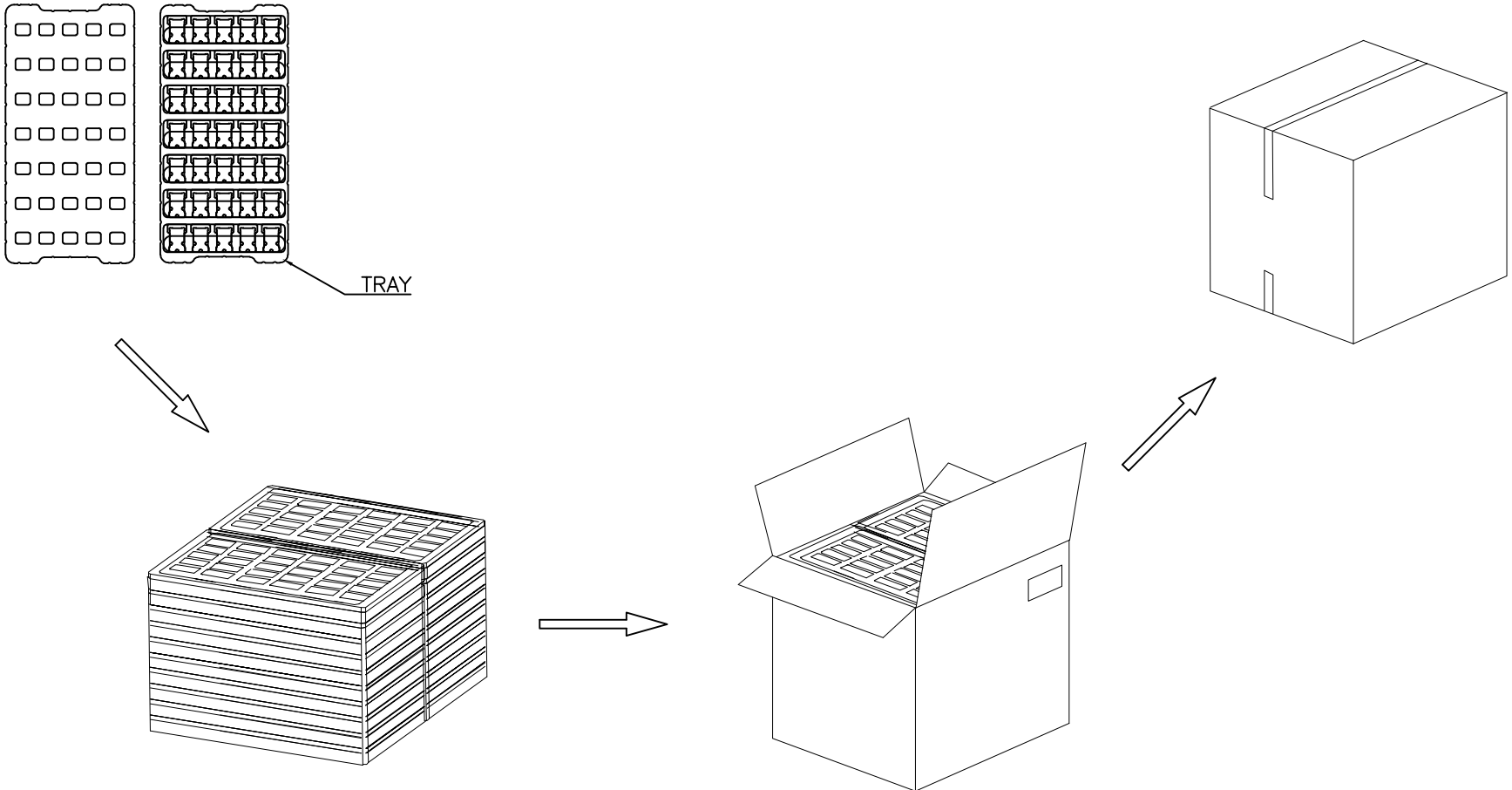
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	.XXX± 0.10		81901011		
APPROVE	CHECK	DRAW		PROJ.	SHEET 3 OF 3
		KONGLEI 2024.07.21		SCALE 1:1	REV A



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|---|---|---|---|---|---|---|--------------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | |
| F | RoHS Compliant | | | | | REV | MODIFICATION | DATE | DRAW | APPROVE |
| E | Packing: | | | | | | | | | |
| D | | | | | | | | | | |
| C |  | | | | |  | | | | |
| B | | | | | | | | | | |
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