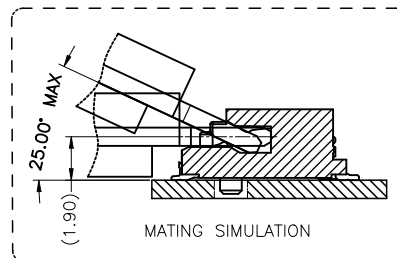
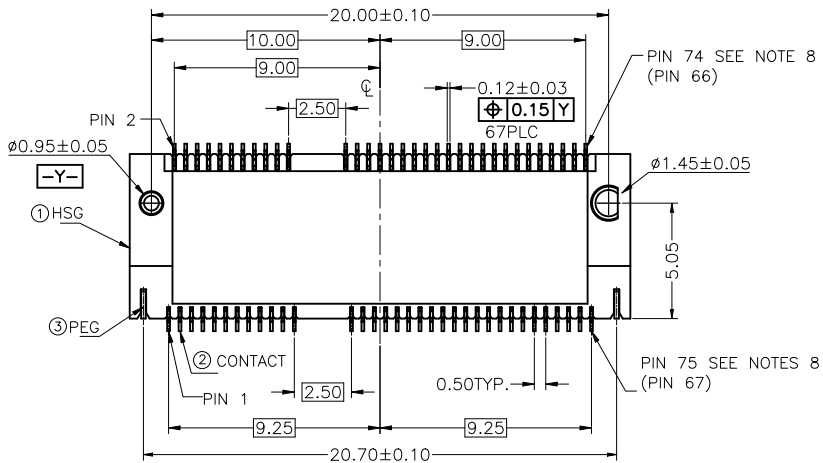
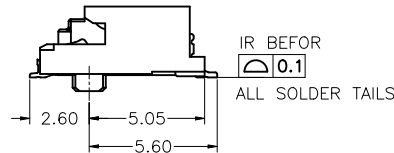
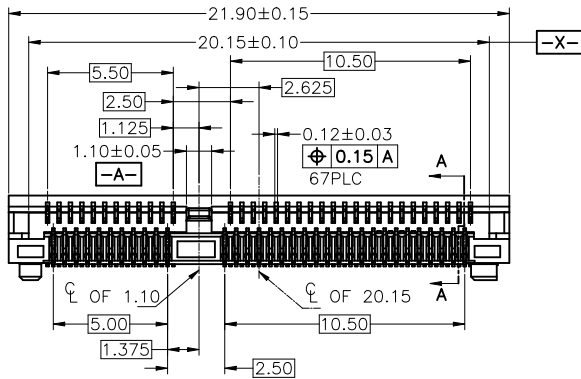
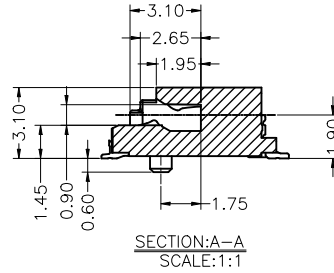
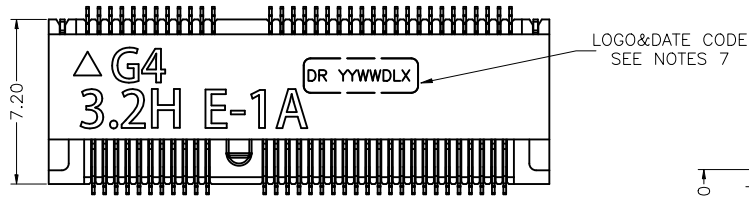


**HF**  
Halogen Free



REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A	NA	NA	INITIAL RELEASE	11/20'23	Jason Huang
B	NA	NA	UPDTE PACKAGING	02/23'24	Jason Huang

NOTES:  
PRODUCT MUST MEET CONTROLLED SUBSTANCES SPEC. ROHS 2.0

- MATERIAL:
  - HOUSING: LCP, UL94V-0; COLOR: BLACK
  - CONTACTS: COPPER ALLOY
  - FLOATING PEG: STAINLESS STEEL
- FINISH:
  - CONTACT:
    - CONTACT: 50u" MIN NICKEL UNDERPLATED ALL OVER, Au GF PLATING ON SOLDER TAIL. GOLD PLATING (THICKNESS SEE NOTE 10) ON CONTACT AREA.
  - FLOATING PEG:
    - 100u" MIN. MATTE-TIN. 50u" MIN. NICKEL UNDERPLATING.
- REFLOW SOLDER CAPABLE TO 260°C 10SEC.
- ELECTRICAL CHARACTERISTICS:
  - CONTACT CURRENT RATING: 1.0 AMPERE MAX FOR POWER PIN,
  - VOLTAGE RATING: 50V AC.
  - INSULATION RESISTANCE: 500M OHM MIN.(INITIAL), 100M OHM MIN.(FINAL), AT 500V DC,
  - DIELECTRIC WITHSTANDING VOLTAGE: 300V AC RMS AT 60HZ, FOR 1 MINUTE.
  - CONTACT RESISTANCE: 55m OHM MAX(INITIAL) ΔR 20m OHM MAX(FINAL)
- OPERATION TEMPERATURE: -40°C TO +80°C
- MATING FORCE: 2.04Kgf MAX. DURABILITY: 25 CYCLES
- DATE CODE YYWDLX
  - YY: YEAR (09: 2009)
  - WW: WEEK (25: THE 25TH WEEK)
  - D: DAY (1~7: SUNDAY~SATURDAY)
  - L: LINE NUMBER OF ASSEMBLY (A: LINE A)
  - X: MANUFACTURE CODE
- CONNECTOR ACTUAL PIN QUANTITY IS 67, AS THE KEY TAKING OUT 8 PINS.
- RECOMMENDED STENCIL THICKNESS 0.12MM MIN
- PART NUMBER DESCRIPTION:

5621D3-031 H-X 4 0 X

PACKING CODE:  
R: EMBOSS WIDTH 44mm, SLOT FORWARD  
1: EMBOSS WIDTH 44mm, SLOT BACKWARD  
2: EMBOSS WIDTH 32mm, SLOT FORWARD  
3: EMBOSS WIDTH 32mm, SLOT BACKWARD  
COLOR:  
0: BLACK WITH DR LOGO 1: WHITE WITH DR LOGO  
2: BLACK WITHOUT DR LOGO 3: WHITE WITHOUT DR LOGO  
KEY TYPE: 4: KEY E

PLATING CODE:  
1: GF 2: Au5u"  
3: Au10u" 4: Au15u"  
5: Au30u"

HALOGEN CODE: H: HALOGEN FREE



**DEREN**  
SHENZHEN DEREN ELECTRONIC CO., LTD

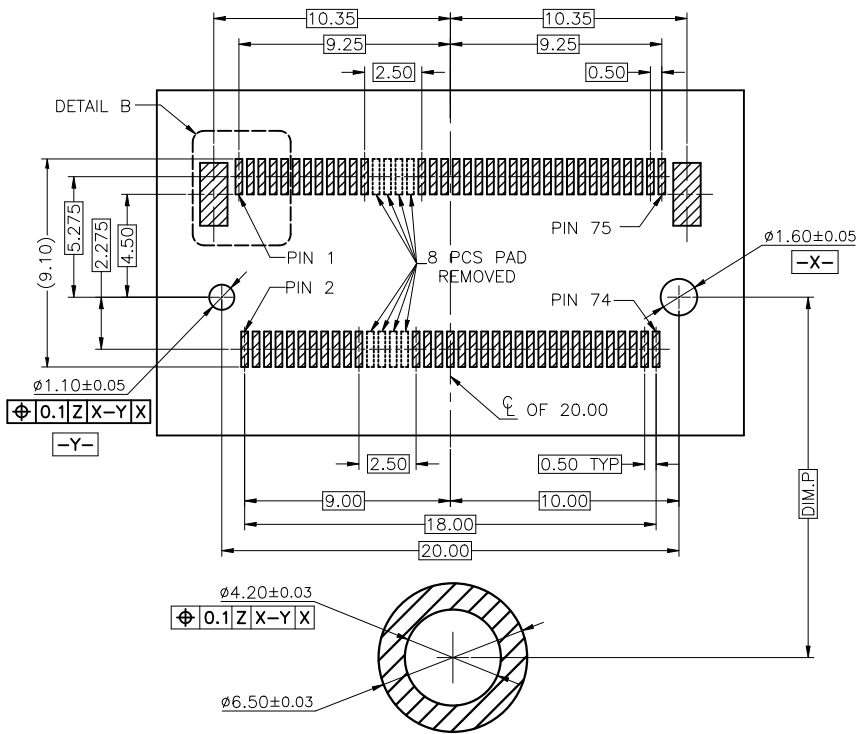
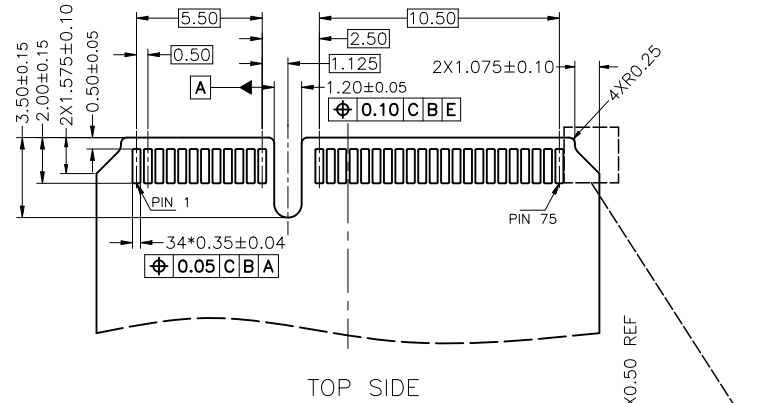
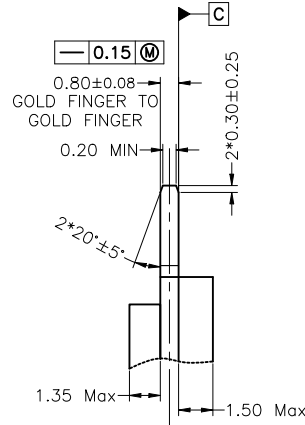
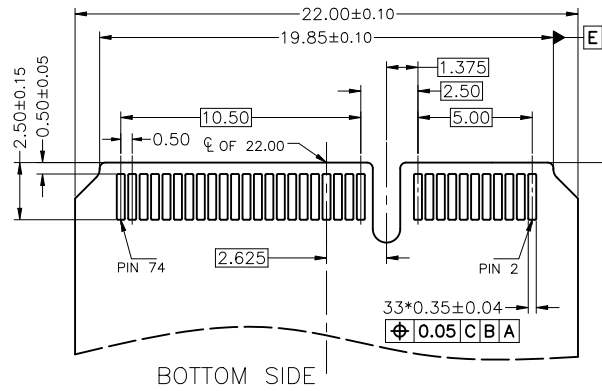
DIM	TOL	DIM	TOL	C-DWG	TY	DATE	TITLE
x	±0.30	x	±2'	DESIGN:	Jason Huang	02/23'24	M.2 Gen 4 3.2H KEY E 1A
x	±0.25	x	±1'	DRAW NO.	SC2309557-5	02/23'24	P/N: 5621D3-031H-X40X
xx	±0.15			CHECK:	Bill Lin	02/23'24	SHEET: 1/6
				REV.	B	02/23'24	SCALE: 1:1 UNIT: mm

# PLUG PCB

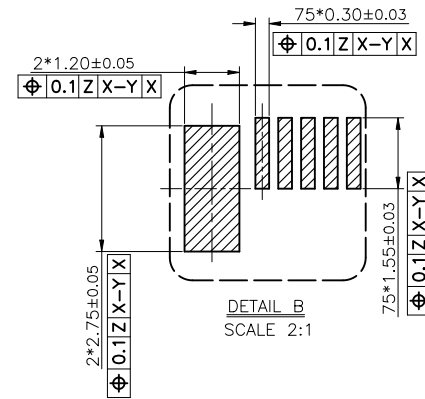
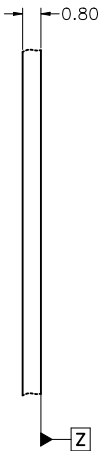
**HF**  
Halogen Free



REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A	NA	NA	INITIAL RELEASE	11/20'23	Jason Huang
B	NA	NA	UPDTE PACKAGING	02/23'24	Jason Huang



RECOMMENDED PCB LAYOUT(TOP VIEW)  
DEFAULT TOLERANCE ±0.05mm



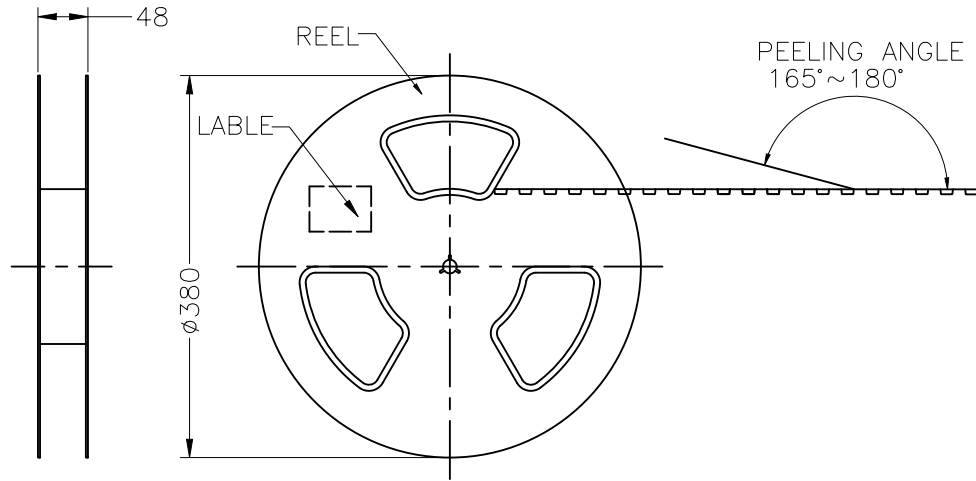
22110	107.60
2280	77.60
2260	57.60
2242	39.60
2230	27.60
3042	39.60
3030	27.60
MODULE TYPE	DIM.P

DIM	TOL	DIM	TOL	DEREN SHENZHEN DEREN ELECTRONIC CO., LTD			
x	±0.30	x	±2'	C-DWG	TY	DATE	TITLE: M.2 Gen 4 3.2H KEY E 1A
x	±0.25	x	±1'	DRAW NO.	DESIGN:	Jason Huang	02/23'24
xx	±0.15			SC2309557-5	CHECK:	Bill Lin	02/23'24
				REV. B	APPROVAL:	Bill Lin	02/23'24
							P/N: 5621D3-031H-X40X
							SHEET: 2/6
							SCALE: 1:1 UNIT: mm

**HF**  
Halogen Free

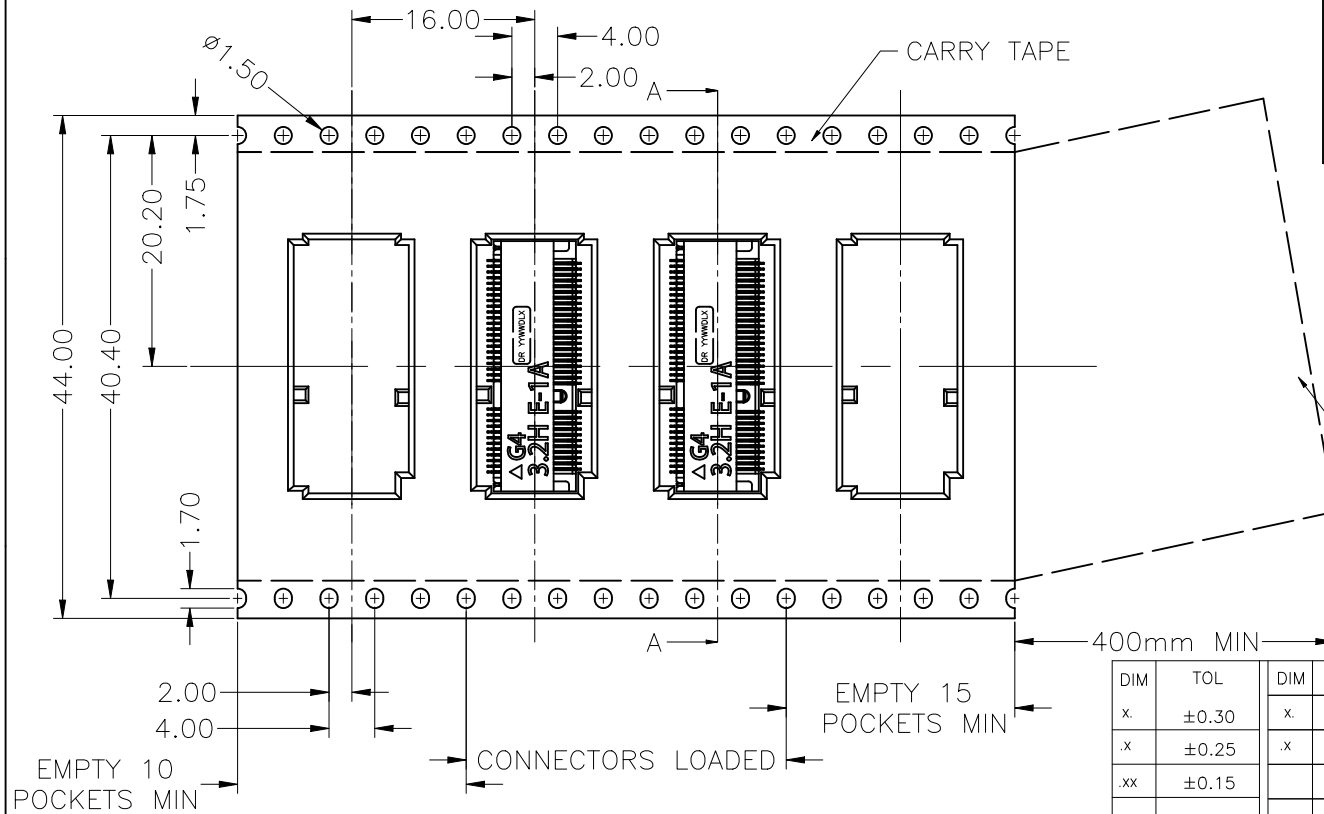
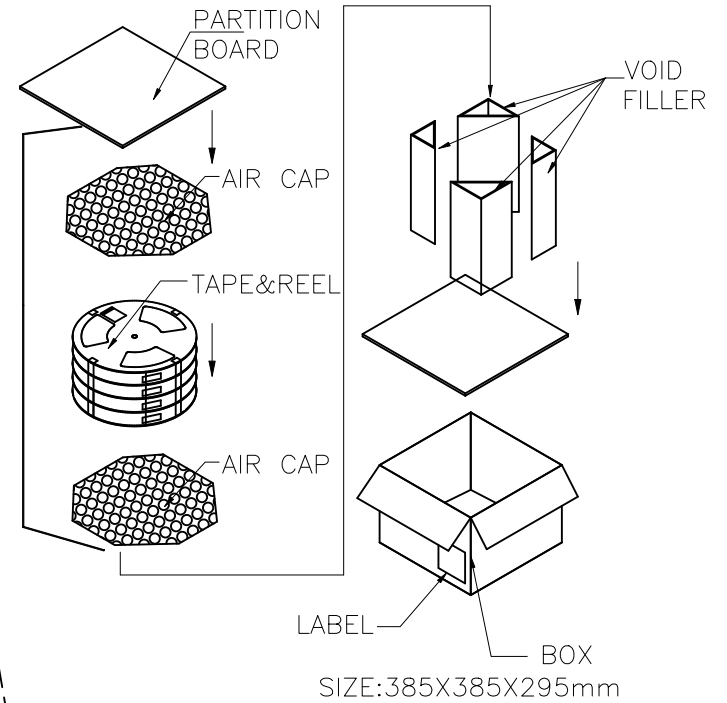


FEEDING DIRECTION →



REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A	NA	NA	INITIAL RELEASE	11/20'23	Jason Huang
B	NA	NA	UPDTE PACKAGING	02/23'24	Jason Huang

5621D3-031H-XBOR  
R: EMBOSS WIDTH 44mm, SLOT FORWARD



1400	5	7000
PCS/ TAPE	REELS/ BOX	PCS/BOX

**DEREN**  
SHENZHEN DEREN ELECTRONIC CO., LTD

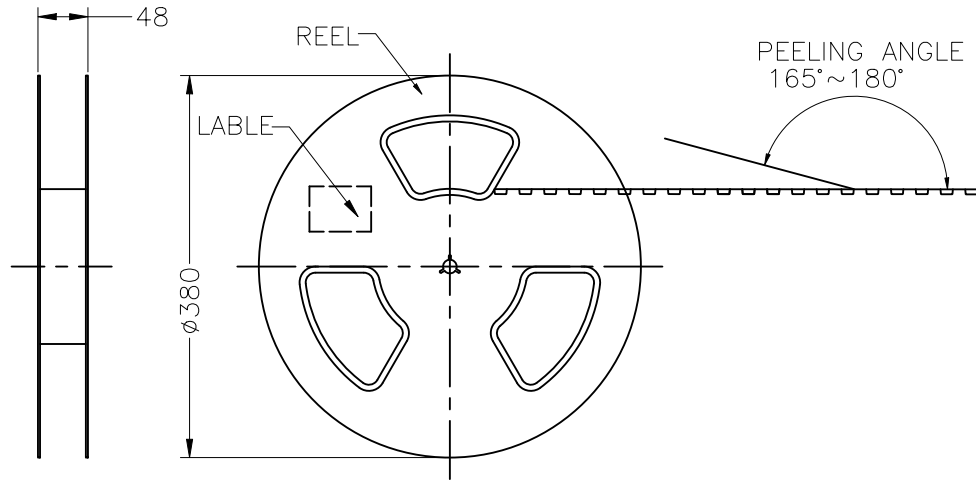
C-DWG	TY	DATE	TITLE
SC2309557-5	Jason Huang	02/23'24	M.2 Gen 4 3.2H KEY E 1A
REV. B	Bill Lin	02/23'24	P/N: 5621D3-031H-X40X
APPROVAL:	Bill Lin	02/23'24	SHEET: 3/6
			SCALE: 1:1 UNIT: mm

DIM	TOL	DIM	TOL
x	±0.30	x	±2'
x	±0.25	x	±1'
xx	±0.15		

**HF**  
Halogen Free

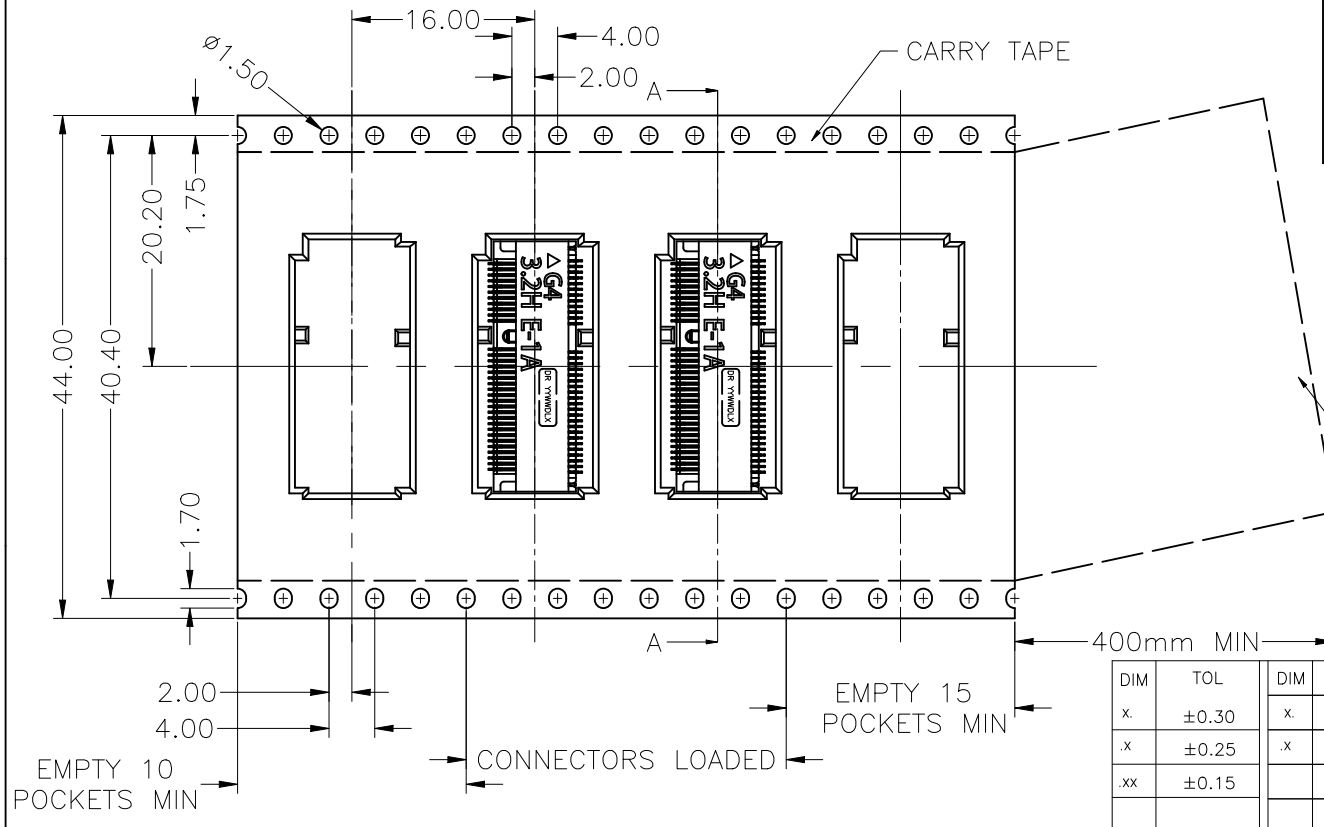
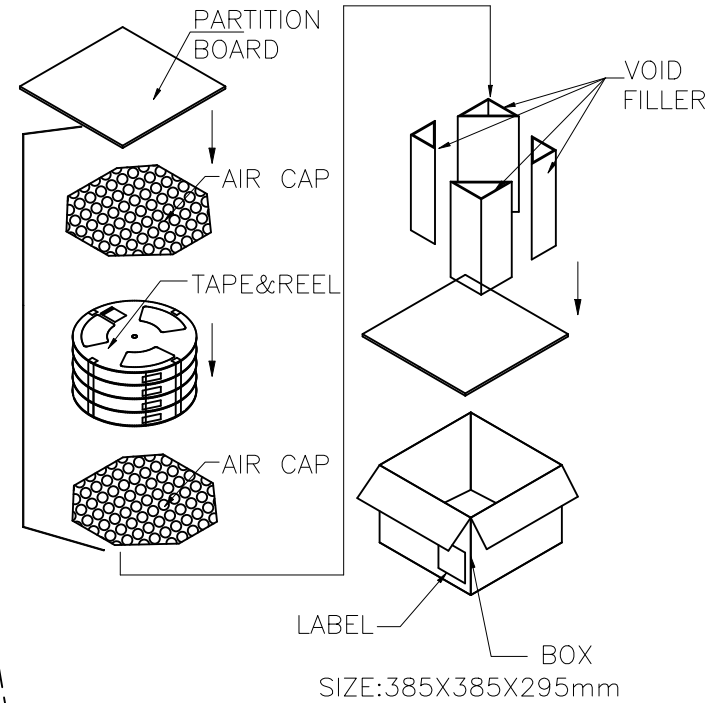


FEEDING DIRECTION →



REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A	NA	NA	INITIAL RELEASE	11/20'23	Jason Huang
B	NA	NA	UPDTE PACKAGING	02/23'24	Jason Huang

5621D3-031H-XB01  
1: EMBOSS WIDTH 44mm, SLOT BACKWARD



1400	5	7000
PCS/ TAPE	REELS/ BOX	PCS/BOX

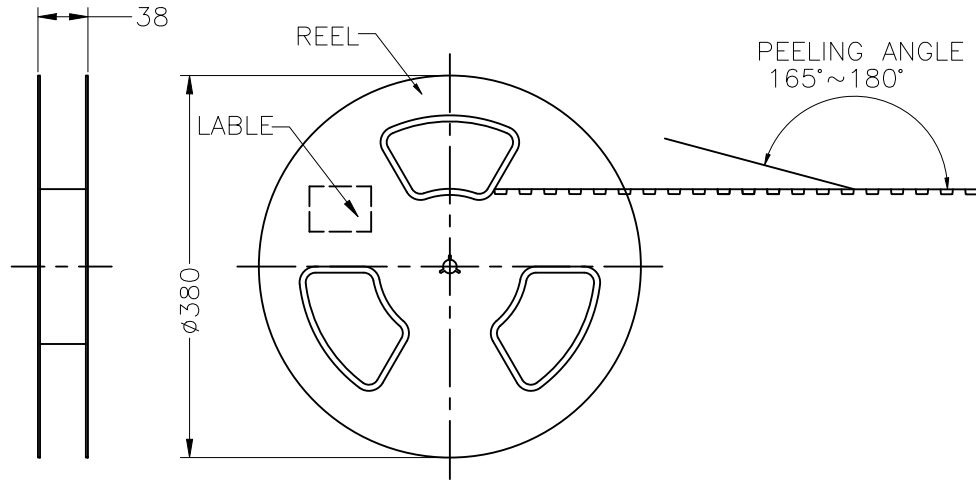
**DEREN**  
SHENZHEN DEREN ELECTRONIC CO., LTD

C-DWG	TY	DATE	TITLE
SC2309557-5	Jason Huang	02/23'24	M.2 Gen 4 3.2H KEY E 1A
REV. B	Bill Lin	02/23'24	P/N: 5621D3-031H-X40X
APPROVAL:	Bill Lin	02/23'24	SHEET: 4/6
			SCALE: 1:1 UNIT: mm

DIM	TOL	DIM	TOL
x	±0.30	x	±2'
x	±0.25	x	±1'
xx	±0.15		

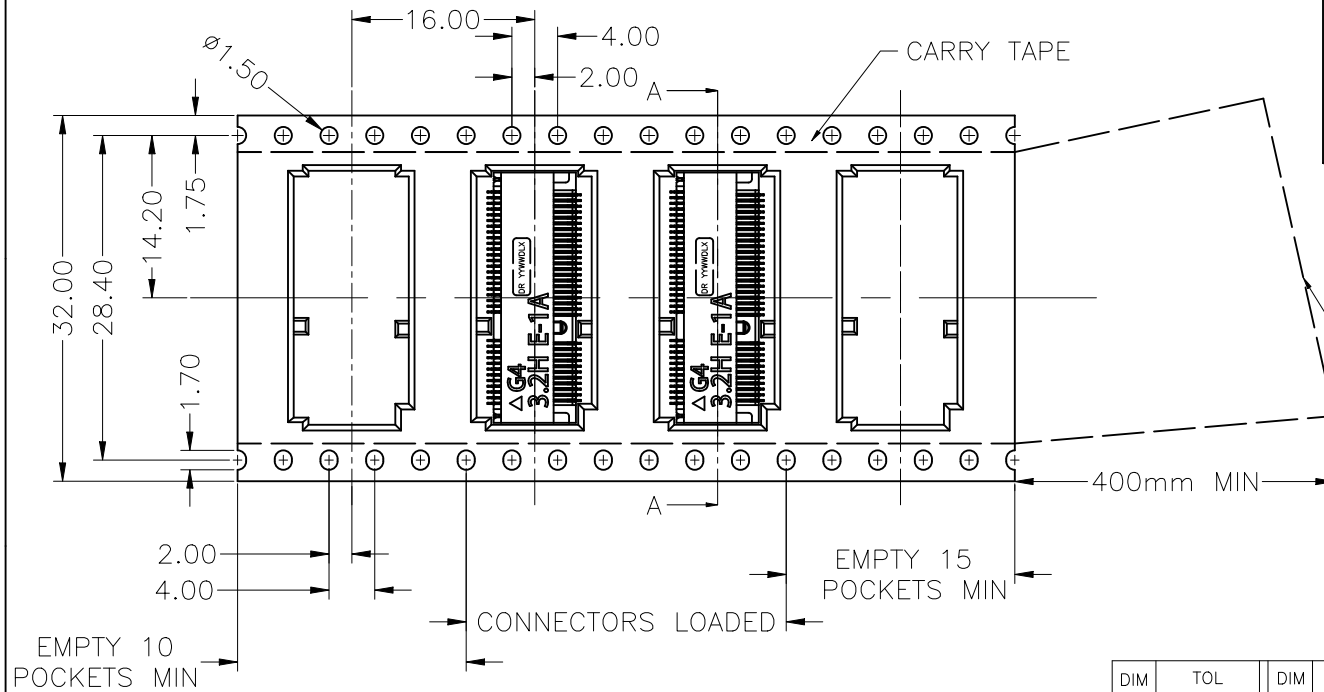
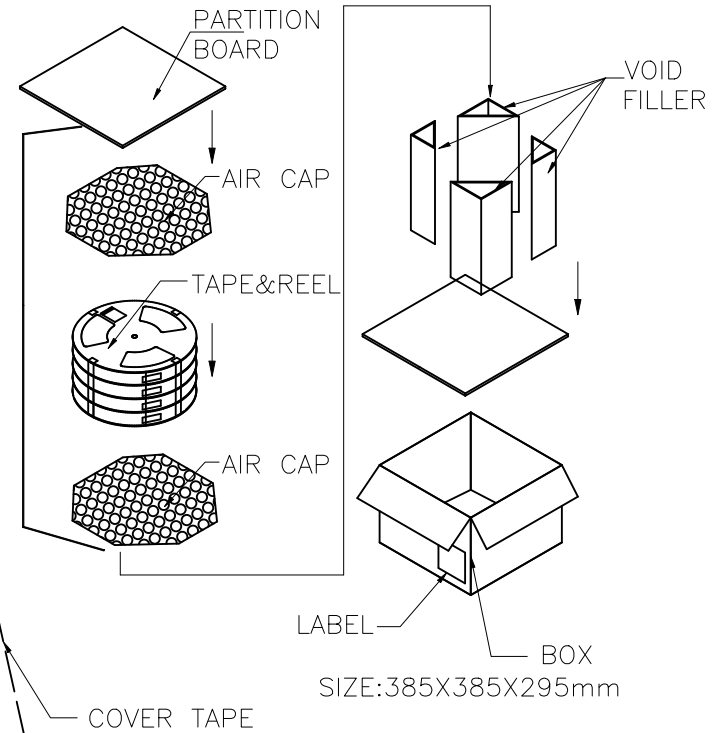


FEEDING DIRECTION →



REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A	NA	NA	INITIAL RELEASE	11/20'23	Jason Huang
B	NA	NA	UPDTE PACKAGING	02/23'24	Jason Huang

5621D3-031H-XB02  
2: EMBOSS WIDTH 32mm, SLOT FORWARD



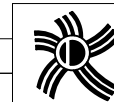
1400	6	8400
PCS/ TAPE	REELS/ BOX	PCS/BOX

EMPTY 10  
POCKETS MIN

CONNECTORS LOADED

EMPTY 15  
POCKETS MIN

DIM	TOL	DIM	TOL
x	±0.30	x	±2'
x	±0.25	x	±1'
xx	±0.15		



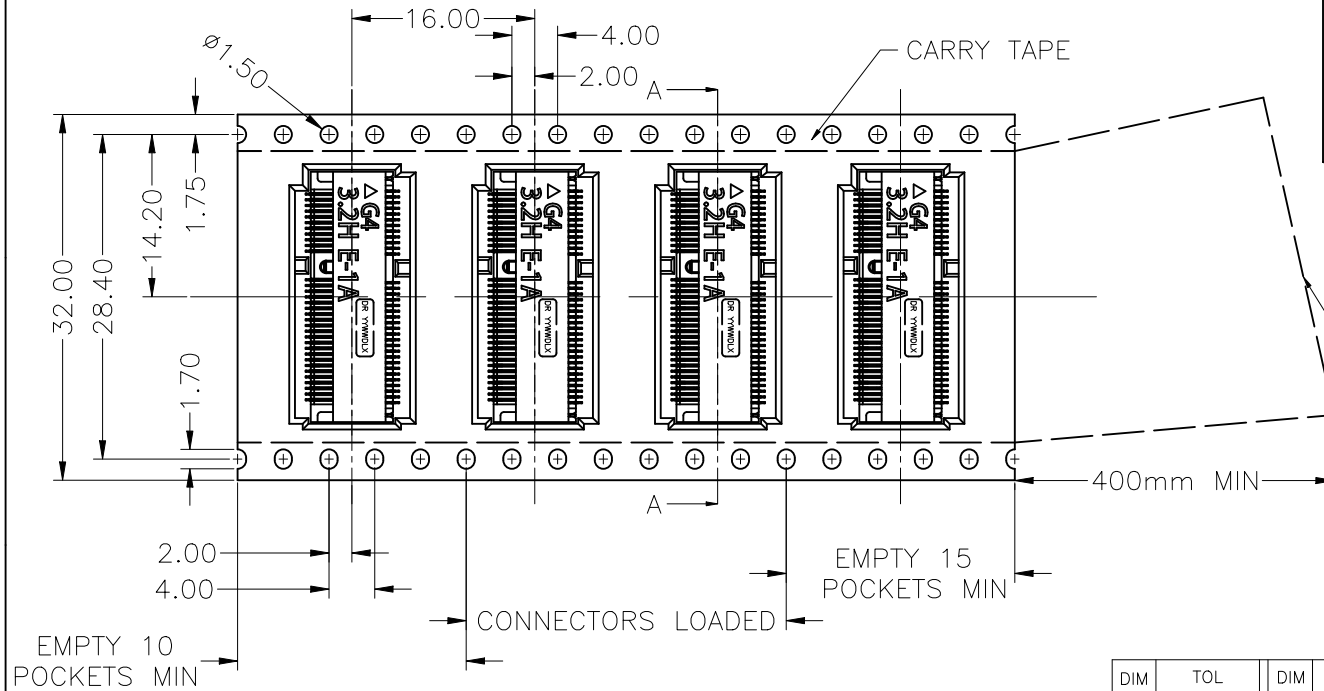
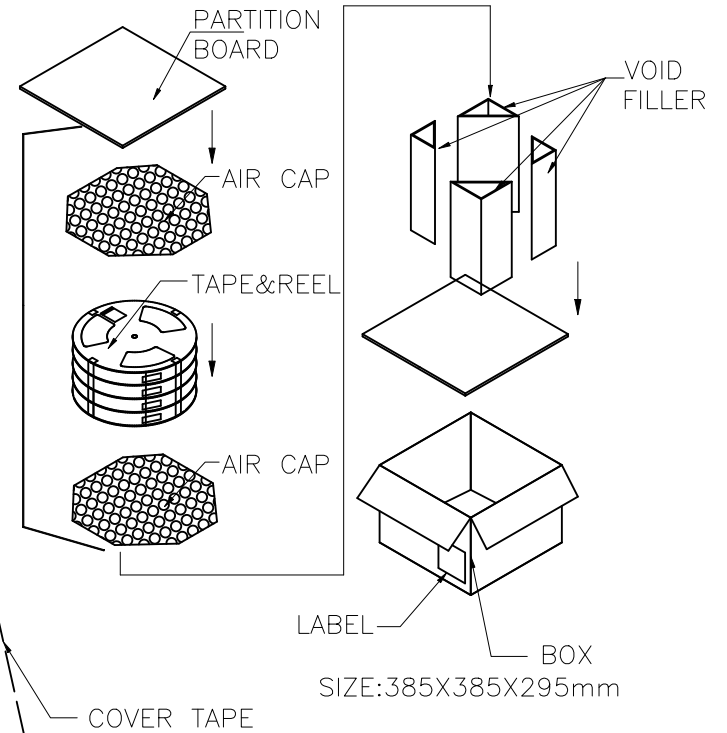
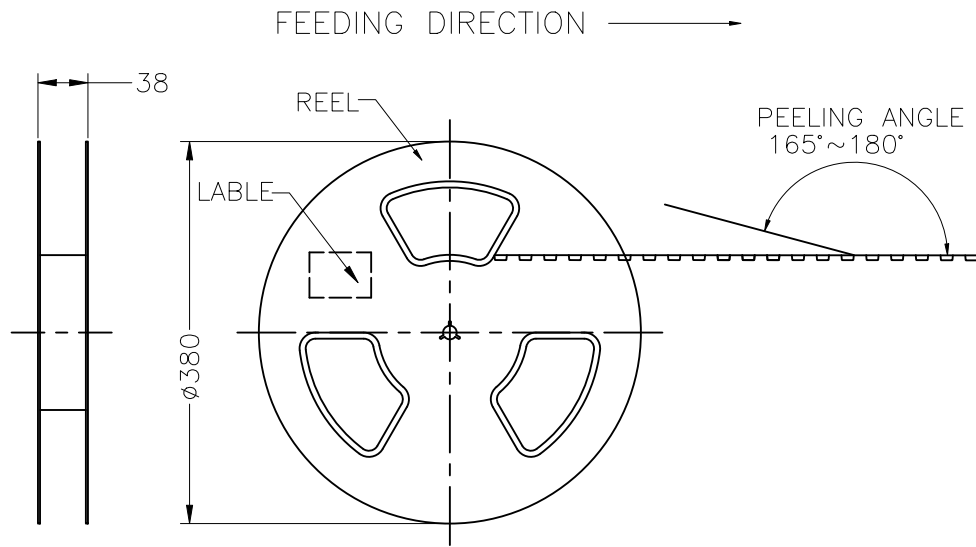
**DEREN**  
SHENZHEN DEREN ELECTRONIC CO., LTD

C-DWG	TY	DATE	TITLE
SC2309557-5	Jason Huang	02/23'24	M.2 Gen 4 3.2H KEY E 1A
REV. B	Bill Lin	02/23'24	P/N: 5621D3-031H-X40X
APPROVAL:	Bill Lin	02/23'24	SHEET: 5/6
			SCALE: 1:1 UNIT: mm

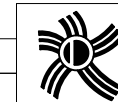


REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A	NA	NA	INITIAL RELEASE	11/20'23	Jason Huang
B	NA	NA	UPDTE PACKAGING	02/23'24	Jason Huang

5621D3-031H-XB03  
 3: EMBOSS WIDTH 32mm, SLOT BACKWARD



1400	6	8400
PCS/ TAPE	REELS/ BOX	PCS/BOX



**DEREN**

SHENZHEN DEREN ELECTRONIC CO., LTD

DIM	TOL	DIM	TOL	C-DWG		TY	DATE	TITLE: M.2 Gen 4 3.2H KEY E 1A	
x	±0.30	x	±2'	DRAW NO.	DESIGN:	Jason Huang	02/23'24	P/N: 5621D3-031H-X40X	
x	±0.25	x	±1'						
xx	±0.15			SC2309557-5	CHECK:	Bill Lin	02/23'24	SHEET:	6/6
				REV. B	APPROVAL:	Bill Lin	02/23'24	SCALE:	1:1
								UNIT:	mm