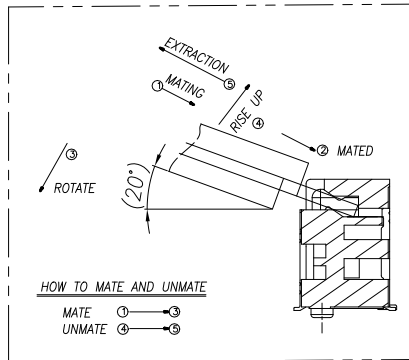
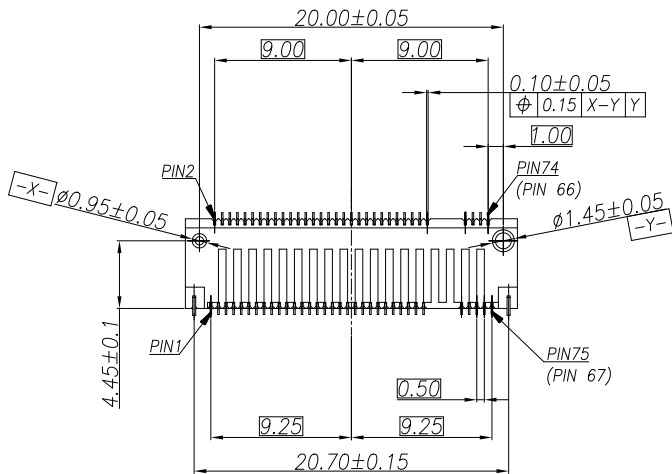
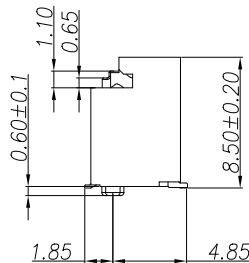
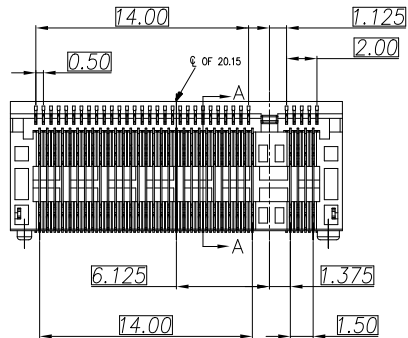


SECTION A-A
SCALE 1:1



REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
X1			INITIAL RELEASE	2024.03.21	Sid Guo

- NOTES:
PRODUCT MUST MEETS CONTROLLED SUBSTANCES SPEC. ROHS 2.0
AND MEET DEREN CONTROLLED SUBSTANCES SPEC PER WI-PB-S-010
- 1.MATERIAL:
1.1 HOUSING:LCP, UL94V.0; COLOR: BLACK
1.2 CONTACT PHOSPHOR BROZNE.
1.3 SOLDER PEG AND LATCH:STAINLESS STEEL.
- 2.FINISH:
2.1 CONTACT: 50u" MIN NICKEL UNDERPLATED ALL OVER.
GOLD FLASH PLATING ON SOLDERTAIL.
GOLD PLATING (SEE NOTE 10) ON CONTACT AREA.
2.2 SOLDER PEG:
MATTE TIN 100u" MIN. AND NICKEL 50u" MIN UNDERPLATED.
- 3.LOGO&DATE CODE:
LOGO: DR OR DEREN
DATECODE: YYWWDLX
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
- 4.REFLOW SOLDER CAPABLE TO 260°C 10 SEC.
- 5.ELECTRICAL CHARACTERISTICS :
5.1 CURRENT RATING:1 AMP.
5.2 CONTACT RESISTANCE:55 MILLIOHMS MAX. INITIAL,
20 MILLIOHMS MAX. CHANGE AFTER TEST.
5.3 IMPEDANCE:85±10% OHMS
5.4 INSULATION RESISTANCE:500 MEGOHMS MIN. INITIAL
100 OHM MIN. CHANGE AFTER TEST.
5.5 DIELECTRICAL WITHSTAND VOLTAGE:300V AC
MIN.AT SEA LEVEL.
- 6.MECHANICAL CHARACTERISTICS:
6.1 INSERTION FORCE:20N MAX.PER CONTACT PAIR.
6.2 DURABILITY:60 MATING AND UNMATING CYCLES.
- 7.ENVIRONMENTAL CHARACTERISTICS:
OPERATING TEMPERATURE RANGE:-40°C TO +80°C.
- 8.RECOMMENDED STENCIL THICKNESS:0.12MM MIN.
- 9.CONNECTOR ACTUAL PIN QUANTITY IS 67,AS THE KEY TAKING OUT 8 PINS.
- 10.PART NUMBER DESCRIPTION:
5621D3-039 H X B 1 1 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
- Logo:
0:No Logo
1:DR Logo
- Color:
1:Black
2:White
- KEY TYPE:
B: KEY M
- PLATING CODE:
1: AuGF 2: Au5u"
3: Au10u" 4: Au15u" 5: Au30u"
- HALOGEN CODE:
H:HALOGEN FREE

DIM	TOL	DIM	TOL
X.	±0.25	X.	±2°
.X	±0.20	.X	±1°
.XX	±0.15		
.XXX	±0.10		



DEREN SHENZHEN DEREN ELECTRONIC CO., LTD				
C-DWG:	TY	DATE	TITLE: NGFF 8.5H KEY M GEN4 1A	
DESIGN:	Sid Guo	2024.03.21	P/N: 5621D3-039HXB11X	
CHECK:	Mike Chen	2024.03.21	SHEET:	1/6
REV.	X1	APPROVAL:	SCALE:	N/A
			UNIT:	mm

TOP SIDE

0.30 ± 0.03

0.10 X-Y X

38PLC

0.38

1.55 ± 0.03

38PLC

DETAIL B

SCALE 2:1

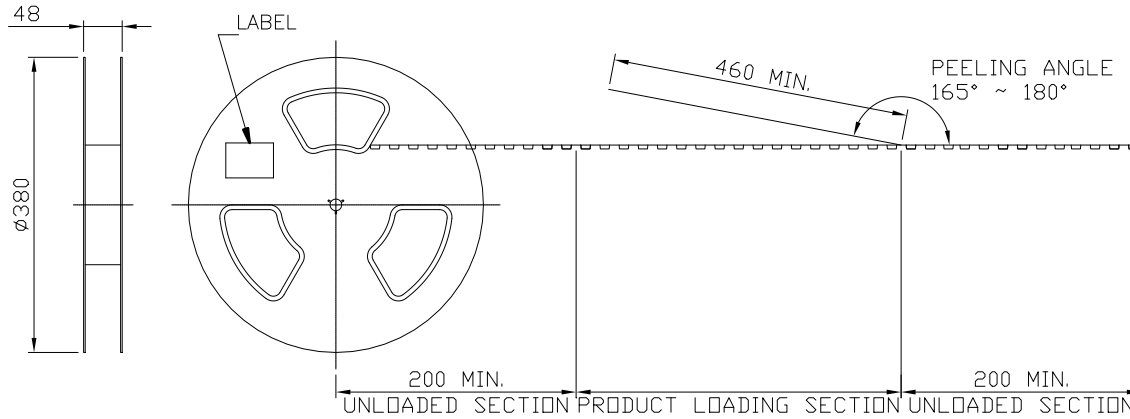
[illegible]

DEREN

C-DWG:	TY	DATE
DESIGN:	Sid Guo	2024.03.2
CHECK:	Mike Chen	2024.03.2
APPROVAL:	Bill Lin	2024.03.2

TITLE: NGFF 8.5H KEY M GEN4 1A			
P/N: 5621D3-039HXB11X			
SHEET:	2/6		
SCALE:	N/A	UNIT:	mm

EMBOSS WIDTH 44mm,SLOT FORWARD,5621D3-039HXB11R



NOTES :

1. MATERIAL :

COVER TAPE : ANTISTATIC P.S T= 0.05 ± 0.01 ,COLOR:CLEAR
CARRIER TAPE : ANTISTATIC PET T= 0.40 ± 0.10 ,COLOR:CLEAR

REEL : PS UL94V-0

CARTON: CORRUGATED FIBER

2. DIMENSION :

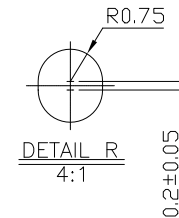
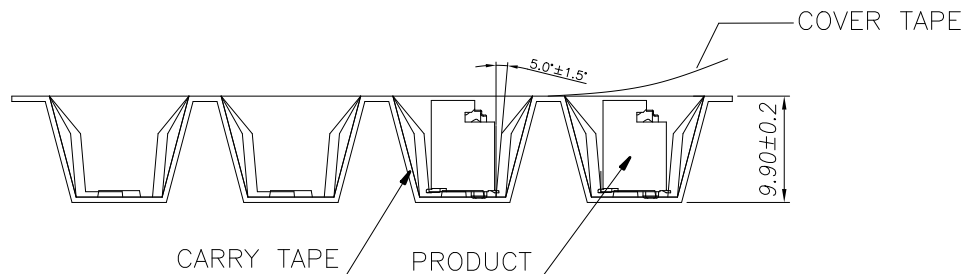
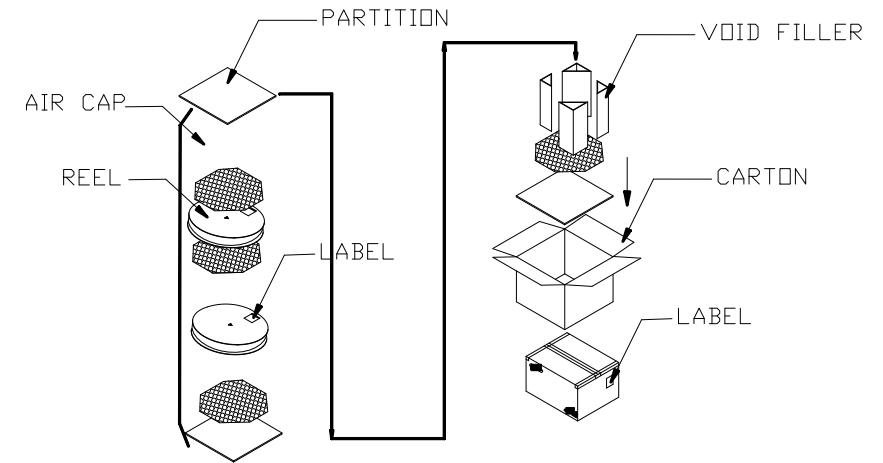
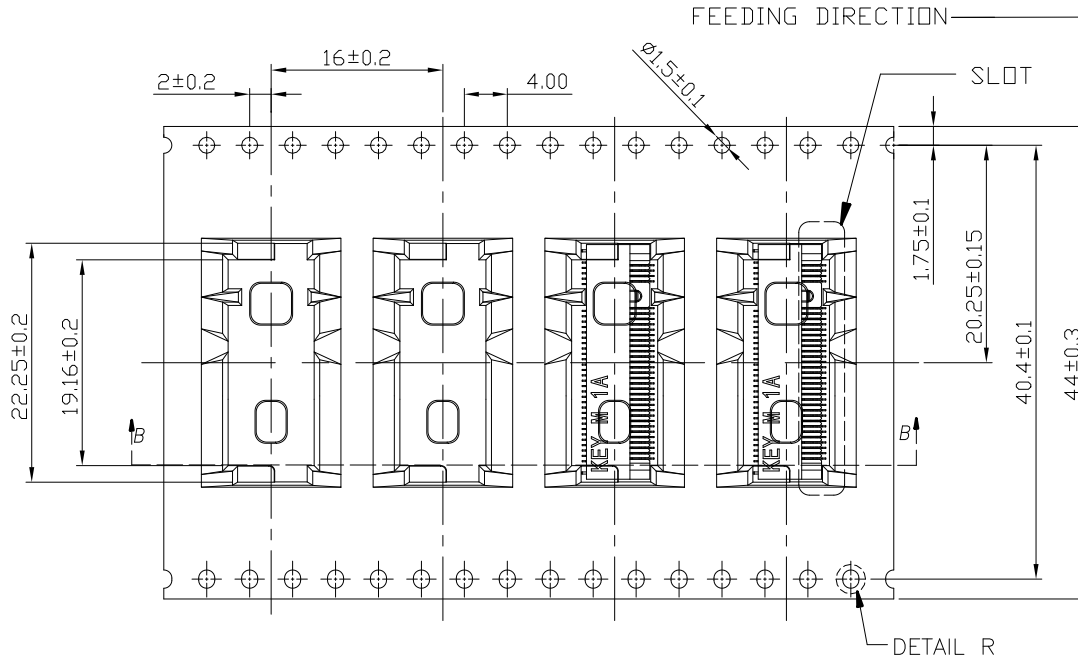
REEL : SEE DRAWING

SHIPPING BOX: 385X385X295mm

3. QUANTITY : SEE TABLE

4. PEELING RESISTANCE : 10gf~130gf (for 12~56mm)

5. PEELING SPEED : 300mm/MINUTES

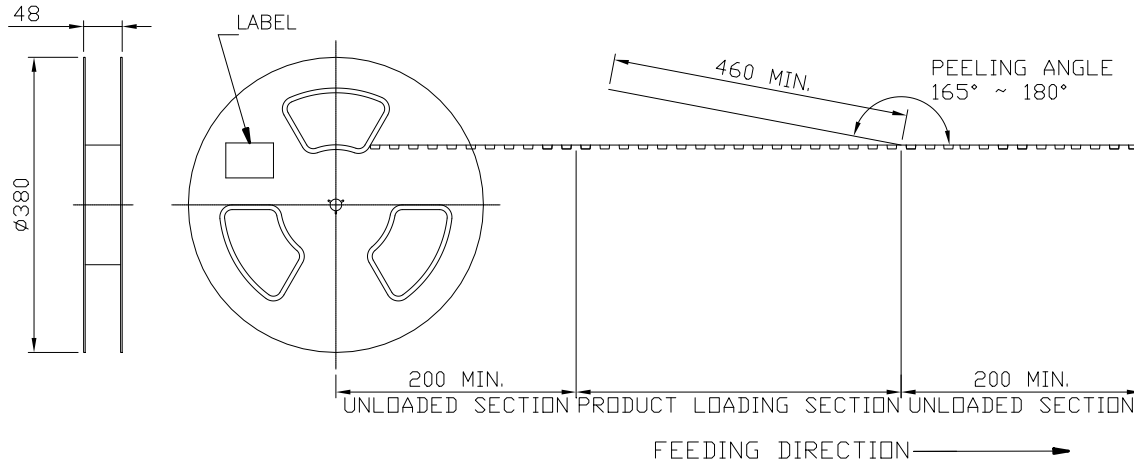


DIM	TOL	DIM	TOL
x	± 0.30	x	
x	± 0.25	x	
xx	± 0.20		
	± 0.15		

500	5	2500
PCS/ REEL	REEL/ CARTON	PCS/ CARTON

DEREN SHENZHEN DEREN ELECTRONIC CO., LTD			
C-DWG:	TY	DATE	TITLE: NGFF 8.5H KEY M GEN4 1A
DRAW NO.	DESIGN:	Mike Chen	P/N: 5621D3-039HXB11X
SC2309575-3	CHECK:	Mike Chen	SHEET: 3/6
REV. X1	APPROVAL:	Bill Lin	SCALE: N/A UNIT: mm
		2024.03.21	

EMBOSS WIDTH 44mm,SLOT BACKWARD,5621D3-039HXB111



NOTES :

1. MATERIAL :

COVER TAPE : ANTISTATIC P.S T=0.05±0.01 ,COLOR:CLEAR
CARRIER TAPE : ANTISTATIC PET T=0.40±0.10,COLOR:CLEAR
REEL : PS UL94V-0
CARTON: CORRUGATED FIBER

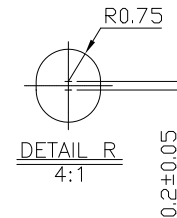
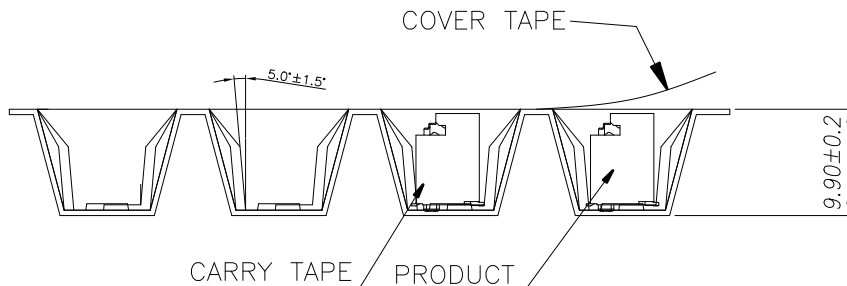
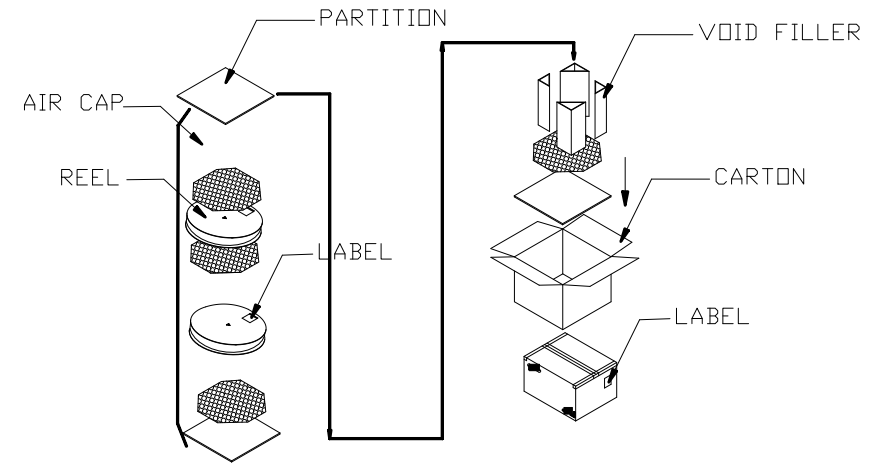
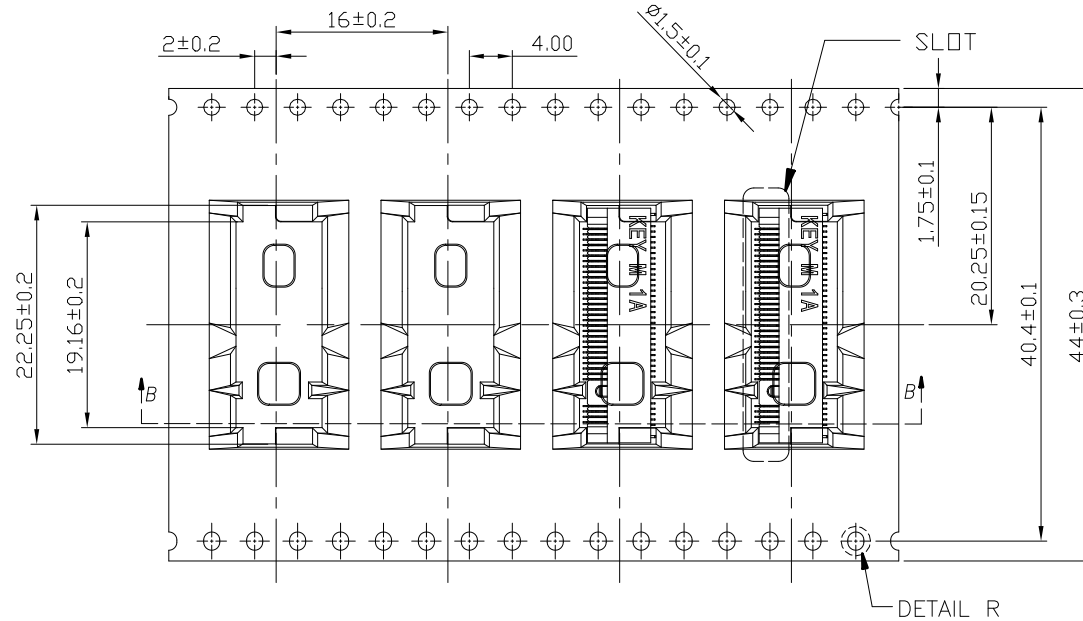
2. DIMENSION :

REEL : SEE DRAWING
SHIPPING BOX: 385X385X295mm

3. QUANTITY : SEE TABLE

4. PEELING RESISTANCE : 10gf~130gf (for 12~56mm)

5. PEELING SPEED : 300mm/MINUTES

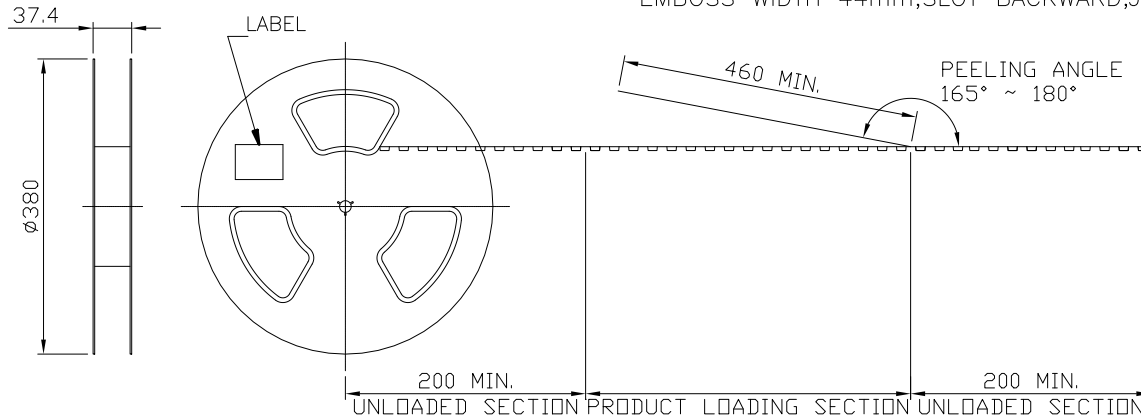


500	5	2500
PCS/ REEL	REEL/ CARTON	PCS/ CARTON

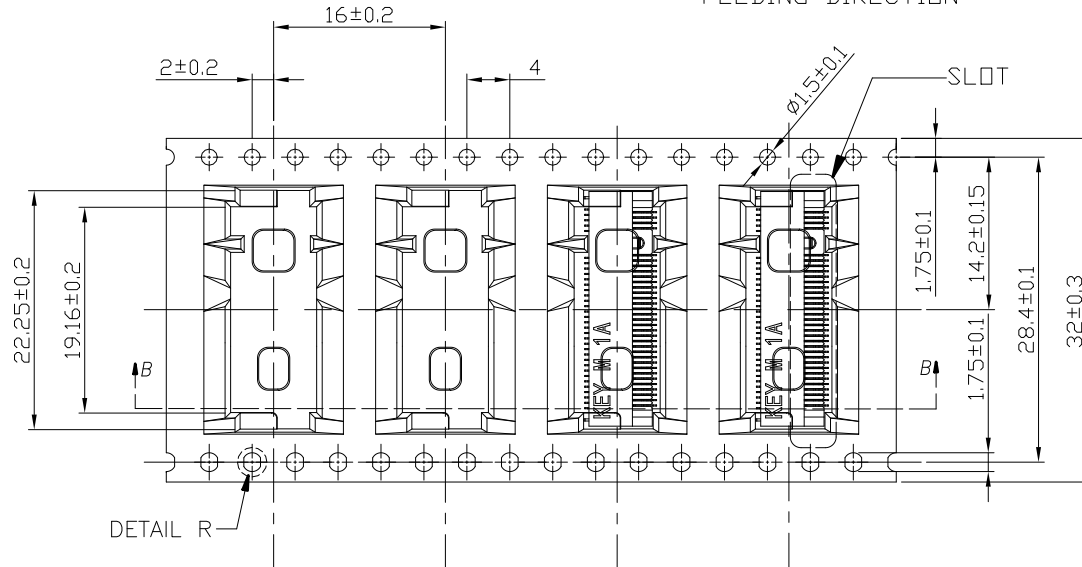
 DEREN SHENZHEN DEREN ELECTRONIC CO., LTD			
C-DWG:	TY	DATE	TITLE: NGFF 8.5H KEY M GEN4 1A
DRAW NO.	DESIGN:	Sid Guo	2024.03.21
SC2309575-3	CHECK:	Mike Chen	2024.03.21
REV.	X1	APPROVAL:	Bill Lin
			2024.03.21
			SHEET: 4/6
			SCALE: N/A
			UNIT: mm

DIM	TOL	DIM	TOL
x	±0.30	x	
x	±0.25	x	
xx	±0.20		
	±0.15		

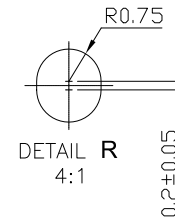
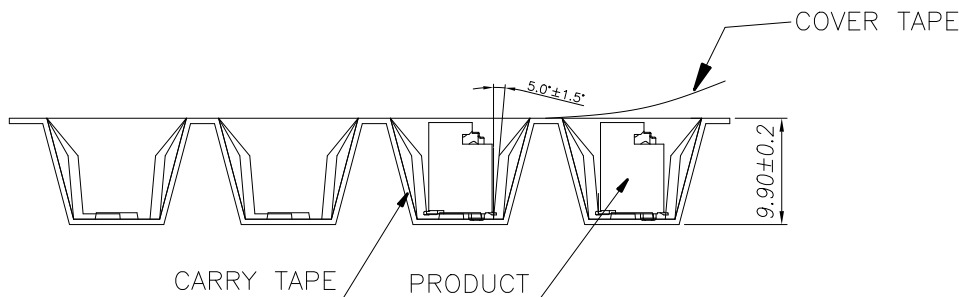
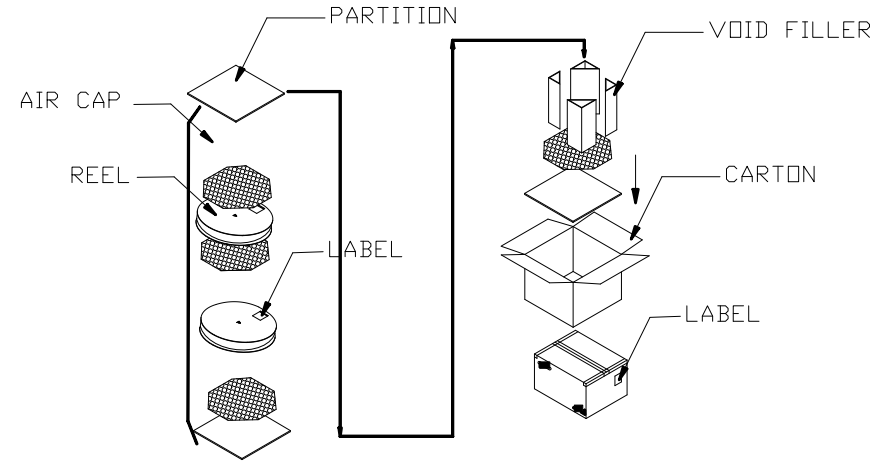
EMBOSS WIDTH 44mm,SLOT BACKWARD,5621D3-039HXB112



FEEDING DIRECTION →



DETAIL R



DIM	TOL	DIM	TOL
x	±0.30	x	
x	±0.25	x	
xx	±0.20		
	±0.15		

NOTES :

1. MATERIAL :

COVER TAPE : ANTISTATIC P.S T=0.05±0.01 ,COLOR:CLEAR
CARRIER TAPE : ANTISTATIC PET T=0.40±0.10,COLOR:CLEAR
REEL : PS UL94V-0
CARTON: CORRUGATED FIBER

2. DIMENSION :

REEL : SEE DRAWING
SHIPPING BOX: 385X385X295mm

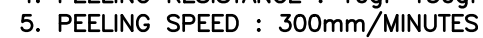
3. QUANTITY : SEE TABLE

4. PEELING RESISTANCE : 10gf~130gf (for 12~56mm)

5. PEELING SPEED : 300mm/MINUTES

500	6	3000
PCS/ REEL	REEL/ CARTON	PCS/ CARTON

	DEREN SHENZHEN DEREN ELECTRONIC CO.,LTD				
	C-DWG:	TY	DATE	TITLE: NGFF 8.5H KEY M GEN4 1A	
DRAW NO. SC2309575-3	DESIGN:	Sid Guo	2024.03.21	P/N: 5621D3-039HXB11X	
	CHECK:	Mike Chen	2024.03.21	SHEET: 5/6	
REV. X1	APPROVAL:	Bill Lin	2024.03.21	SCALE: N/A	UNIT: mm



		C—DWG:	TY	DATE	TITLE: NGFF 8.5H KEY M GEN4 1A			
DRAW NO.		DESIGN:	Sid Guo	2024.03.21	P/N: 5621D3—039HXB11X			
SC2309575—3		CHECK:	Mike Chen	2024.03.21	SHEET:		6/6	
REV.	X1	APPROVAL:	Bill Lin	2024.03.21	SCALE:		N/A	UNIT: mm

DIM	TOL	DIM	TOL
.x	± 0.30	.x	
.x	± 0.25	.x	
.xx	± 0.20		
	± 0.15		