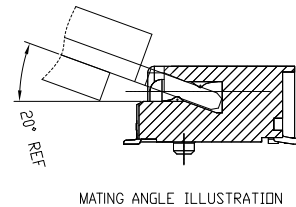
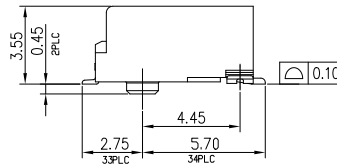
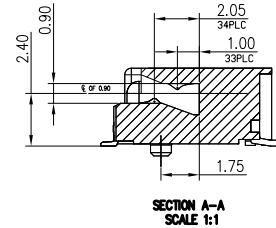
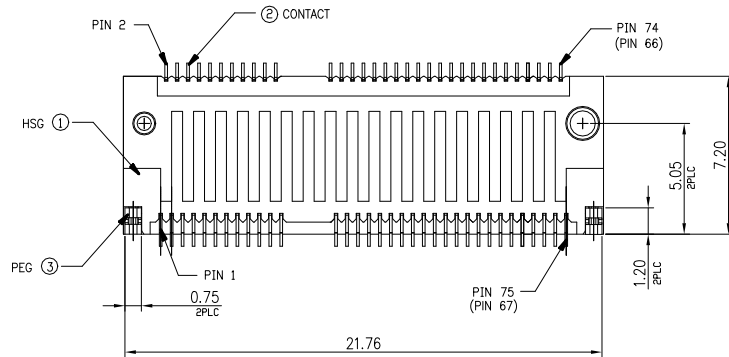
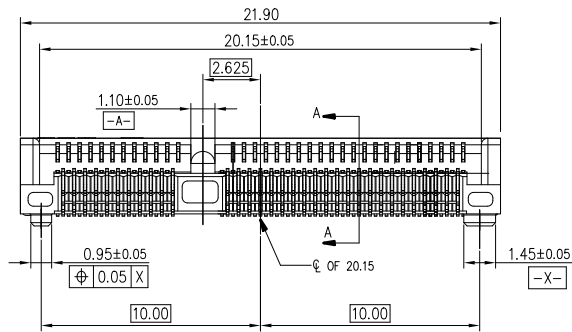
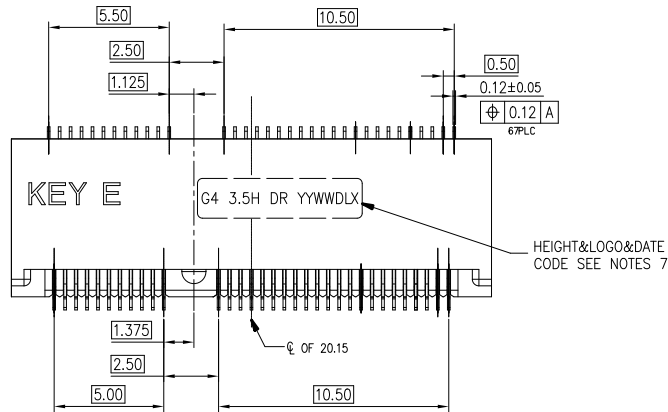


HF

Halogen Free



REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A			INITIAL RELEASE	2024.01.22	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: SEE NOTES10.
1.2 CONTACTS: PHOSPHOR BRONZE
1.3 FLOATING PEG: STAINLESS STEEL

2. FINISH:

2.1 CONTACT:

GOLD(SEE PART NOTE 10) PLATED ON CONTACT AREA AND GOLD 1u".
SOLDER AREA. 50u" MIN. NICKEL UNDERPLATING.

2.2 FLOATING PEG:

80u" MIN. MATTE-TIN. 50u"MIN. NICKEL UNDERPLATING.

3. REFLOW SOLDER CAPABLE TO 260°C 10SEC.

4. ELECTRICAL CHARACTERISTICS:

- 4.1 CONTACT CURRENT RATING: 0.5 AMPERE MAX, PER PIN,
4.2 VOLTAGE RATING: 50V AC.
4.3 INSULATION RESISTANCE: 500M OHM MIN.(INITIAL),
100M OHM MIN.(FINAL), AT 500V DC,
4.4 DIELECTRIC WITHSTANDING VOLTAGE: 300V AC RMS AT 60HZ, FOR
1 MINUTE.

4.5 CONTACT RESISTANCE: 55m OHM MAX(INITIAL)

ΔR 10m OHM MAX(FINAL)

5. OPERATION TEMPERATURE: -40°C TO +80°C

6. MATING FORCE: 2.04Kgf MAX.

EXTRACTION FORCE: 0.1Kgf MIN.

DURABILITY: 60 CYCLES

7. LOGO&DATE CODE :

G4: GEN4:

3.5H: HEIGHT OF CONNECTOR IS 3.5

LOGO: DR OR DEREN

DATECODE: 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

8. CONNECTOR ACTUAL PIN QUANTITY IS 67, AS THE KEY TAKING OUT 8 PINS.

9. RECOMMENDED STENCIL THICKNESS 0.12MM MIN

10. PART NUMBER DESCRIPTION:

5621D3-042 H 1 4 1 1 R

PACKING CODE:

R: EMBOSS WIDTH 32mm, SLOT FORWARD

Logo:

0: No Logo

1: DR Logo

Color:

1: Black

2: White

KEY TYPE:

4: KEY E

PLATING CODE:

1: Au GF 2: Au5u"

3: Au10u" 4: Au 15u" 5: Au30u"

HALOGEN CODE:

H: HALOGEN FREE



DEREN

SHENZHEN DEREN ELECTRONIC CO., LTD

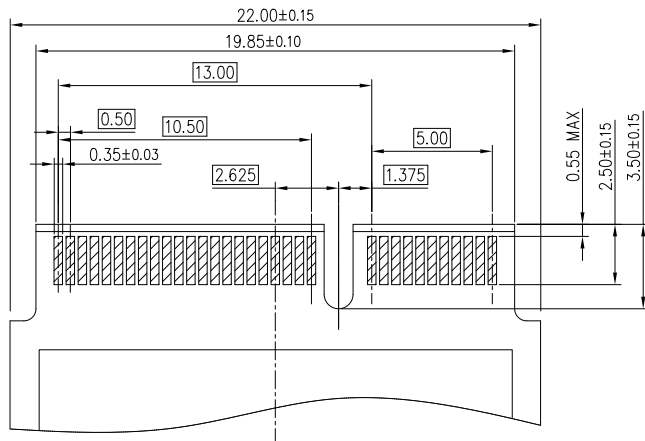
DIM	TOL	DIM	TOL
X	±0.30	X	±2°
.X	±0.25	.X	±1°
.XX	±0.15		

DRAW NO.		DESIGN:		CHECK:		APPROVAL:		TITLE: NGFF 3.5H KEY E GEN4	
SC2309644-6		Sid Guo		Mike Chen		Bill Lin		P/N: 5621D3-042H1411R	
REV. A		ES		2024.01.22		2024.01.22		SHEET: 1/3	
		DATE		2024.01.22		2024.01.22		SCALE: N/A	
								UNIT: mm	

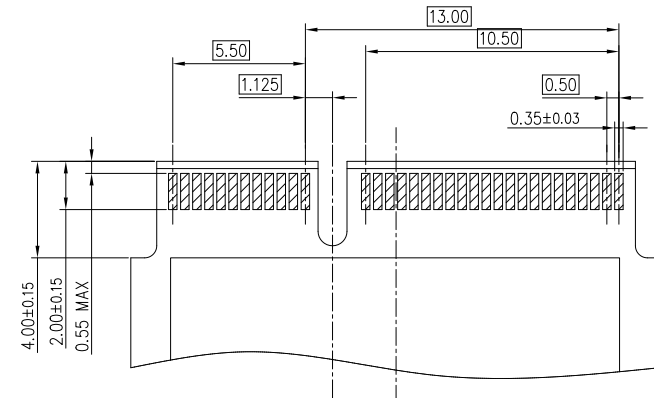
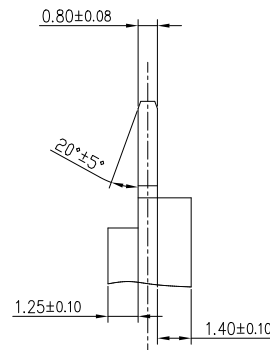
HF

Halogen Free

PLUG PCB

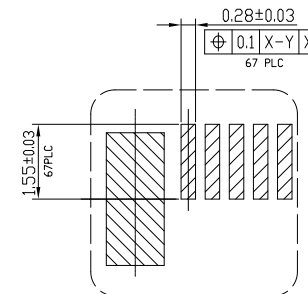
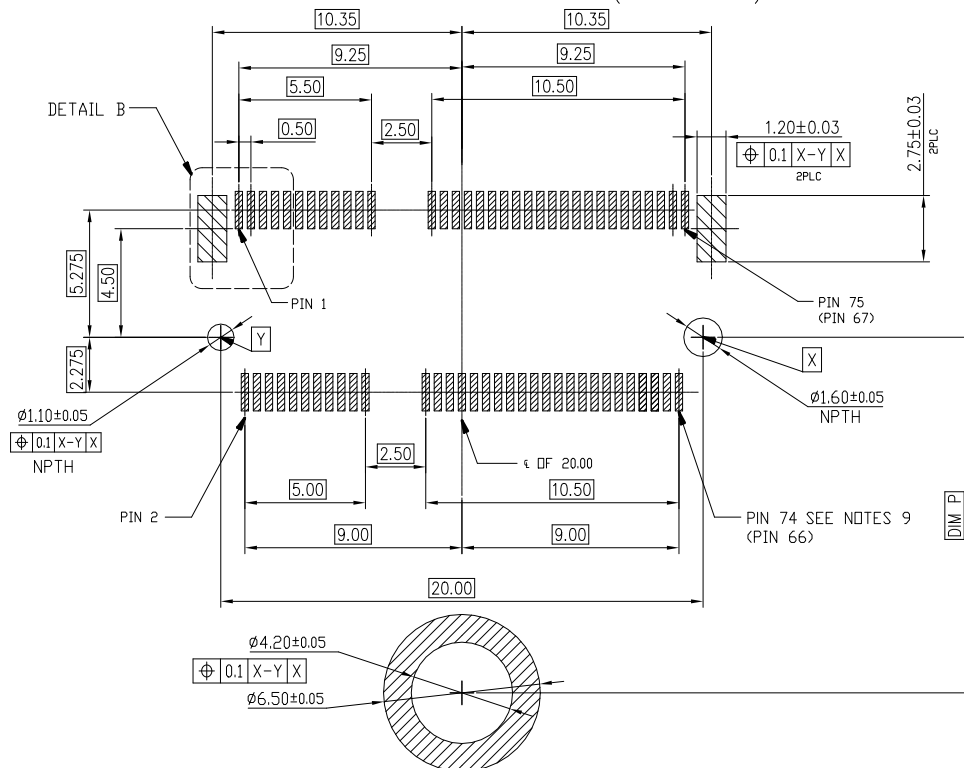


BOTTOM SIDE



TOP SIDE

RECOMMENDED PCB LAYOUT(TOP VIEW)



DETAIL B
SCALE 2:1

22110	108.25
2280	78.25
2260	58.25
2242	40.25
2230	28.25
3042	40.25
3030	28.25
MODULE TYPE	DIM P

DIM	TOL	DIM	TOL
X.	±0.20	X.	±2°
.X	±0.10	.X	±1°
.XX	±0.05		

 DEREN SHENZHEN DEREN ELECTRONIC CO.,LTD			
C-DWG:	ES	DATE	TITLE: NGFF 3.5H KEY E GEN4
DESIGN:	Sid Guo	2024.01.22	P/N: 5621D3-042H1411R
CHECK:	Mike Chen	2024.01.22	SHEET: 2/3
APPROVAL:	Bill Lin	2024.01.22	SCALE: N/A UNIT: mm

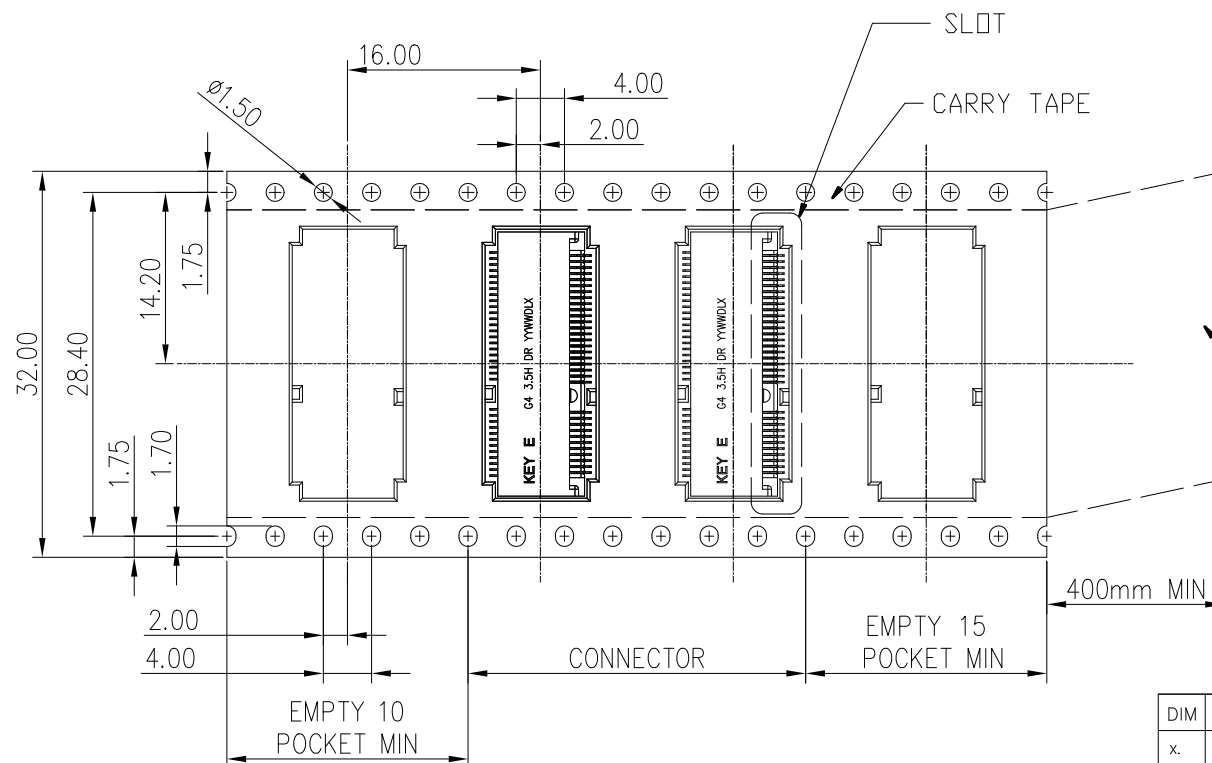
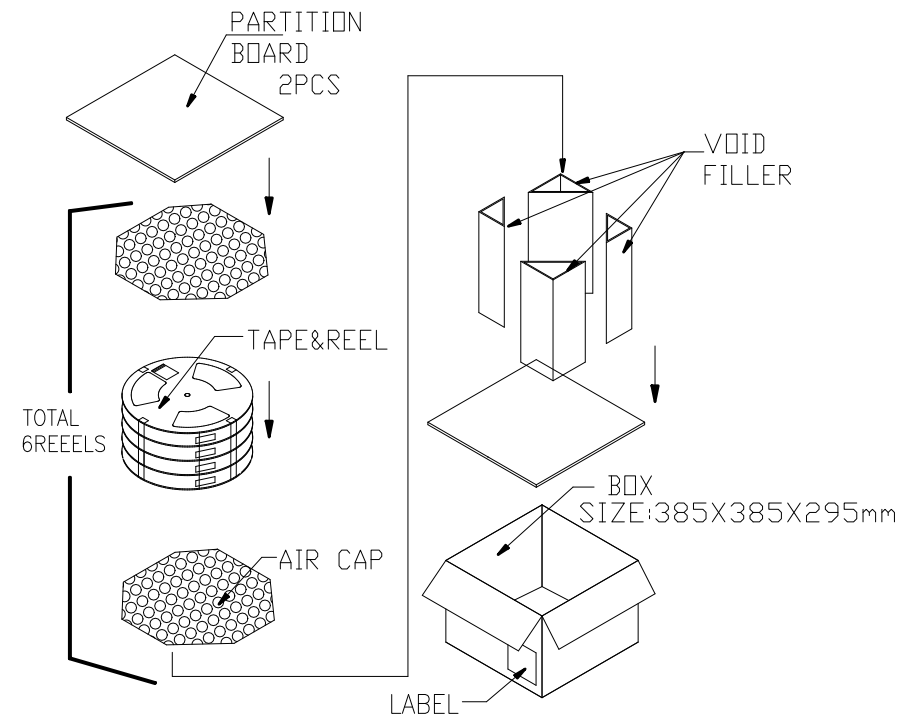
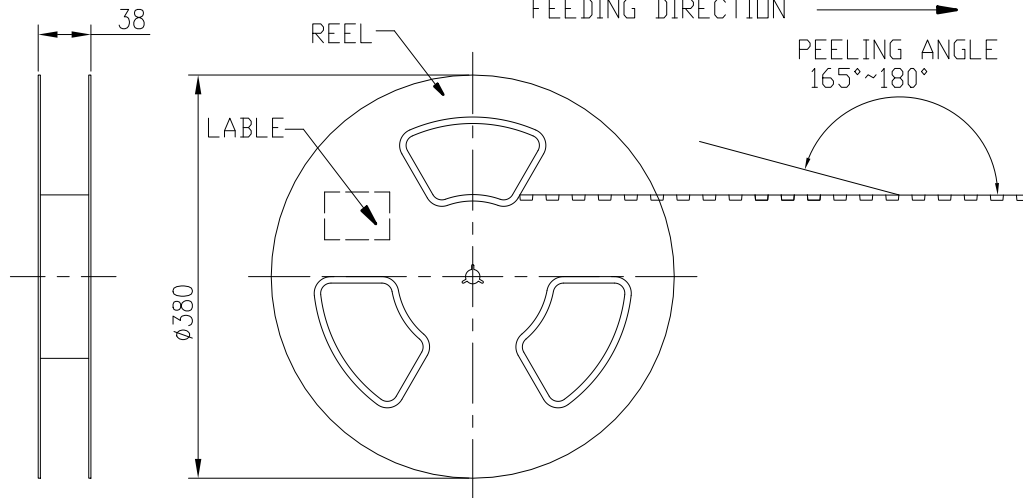
HF

Halogen Free

EMBOSS WIDTH 32mm, SLOT FORWARD

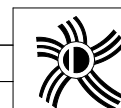
FEEDING DIRECTION

PEELING ANGLE
165°~180°



1200	6	7200
PCS/ TAPE	REELS/ BOX	PCS/BOX

DIM	TOL	DIM	TOL
.X	±0.30	.X	±2°
.X	±0.20	.X	±1°
.XX	±0.15		



DEREN

SHENZHEN DEREN ELECTRONIC CO.,LTD

DRAW NO.
SC2309644-6
REV. A

C-DWG:	ES	DATE	TITLE: NGFF 3.5H KEY E GEN4
DESIGN:	Sid Guo	2024.01.22	P/N: 5621D3-042H1411R
CHECK:	Mike Chen	2024.01.22	SHEET: 3/3
APPROVAL:	Bill Lin	2024.01.22	SCALE: N/A UNIT: mm