

REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A			INITIAL RELEASE	2023.12.05	Sid Guo
B			MODIFY	2024.04.02	Joe Lam

NOTES:
PRODUCT MUST MEET 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: YYWMDLX
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:0.5AMP.
- 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.RECOMENDED STENCIL THICKNESS:0.12MM MIN.

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

10.PART NUMBER DESCRIPTION:

40-42547-067 4 X R HF

- HALOGEN CODE:
HF:HALOGEN FREE
R: TAPE & REEL PACKING
PLATING CODE:
1: AuGF 2: Au5u"
3: Au10u" 4: Au15u" 5: Au30u"
KEY TYPE:
4: KEY E
PIN NUMBER CODE:
067: 67 PINS

TABLE 1:

PART NUMBER	DESCRIPTION	DIM	TOL	DIM	TOL
40-42547-06741RHF	Au G/F ON CONTACT AREA	.x.	±0.30	.x.	±2°
40-42547-06742RHF	Au 5u" ON CONTACT AREA	.x	±0.25	.x	±1°
40-42547-06743RHF	Au 10u" ON CONTACT AREA	.xx	±0.20		
40-42547-06744RHF	Au 15u" ON CONTACT AREA				
40-42547-06745RHF	Au 30u" ON CONTACT AREA				



DEREN

SHENZHEN DEREN ELECTRONIC CO.,LTD

DRAW NO.
SC1600798-2

REV. B

DESIGN: Joe Lam 2024.04.02
CHECK: Mike Chen 2024.04.02

APPROVAL: Bill Lin 2024.04.02

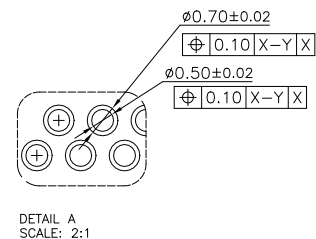
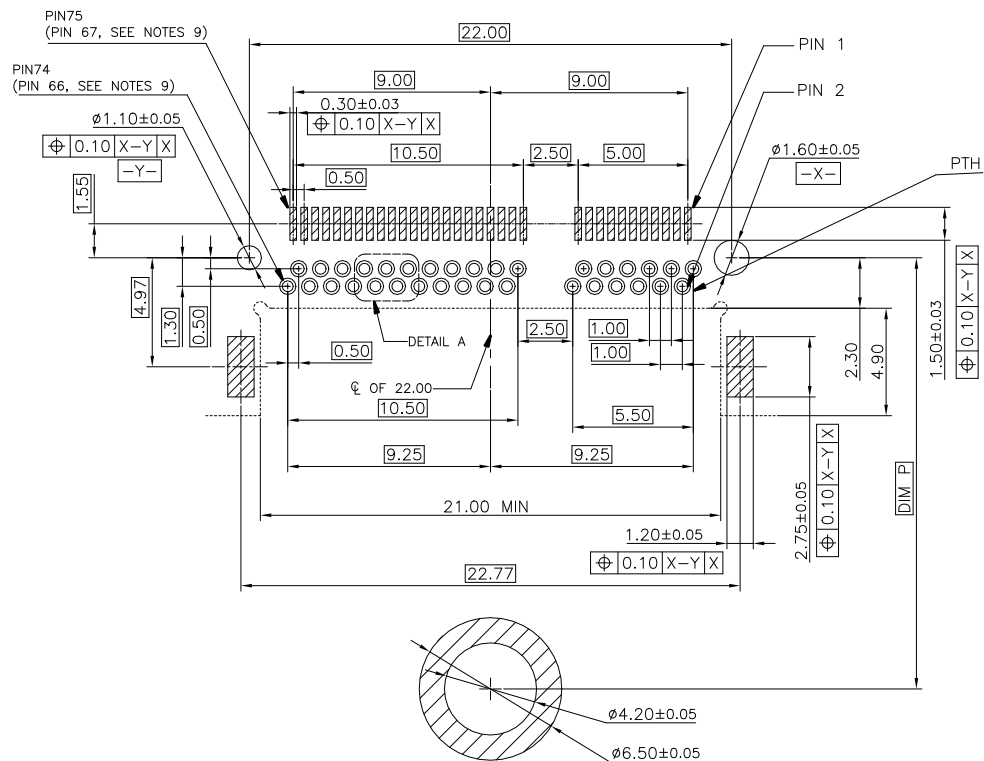
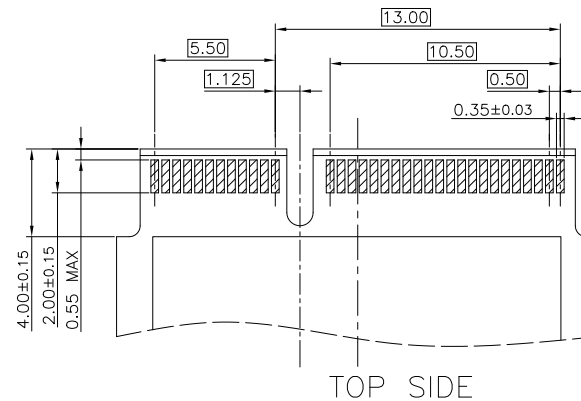
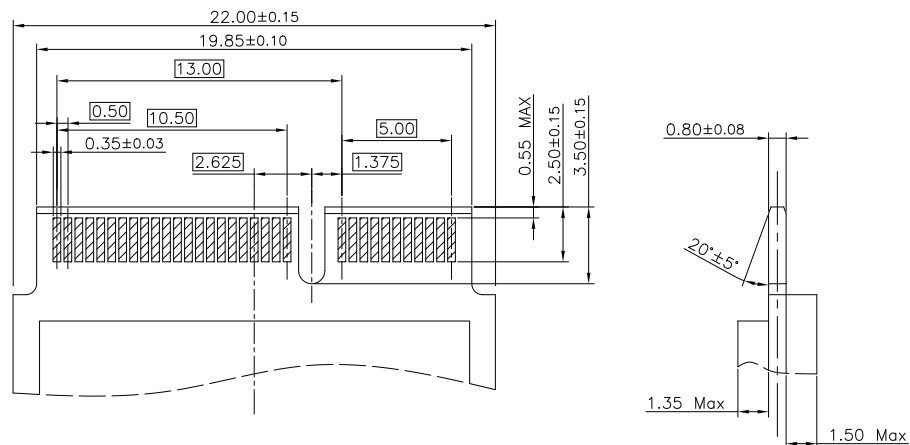
TITLE: NGFF 1.65H CH 0.60 KEY E
RVS

P/N: SEE TABLE 1

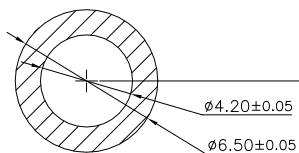
SHEET: 1/3

SCALE: N/A UNIT: mm

PLUG PCB



22110	114.00
2280	84.00
2260	64.00
2242	46.00
2230	34.00
3042	46.00
3030	34.00
MOUDULE TYPE	DIM P



RECOMMENDED NGFF PCB LAYOUT(TOP VIEW)

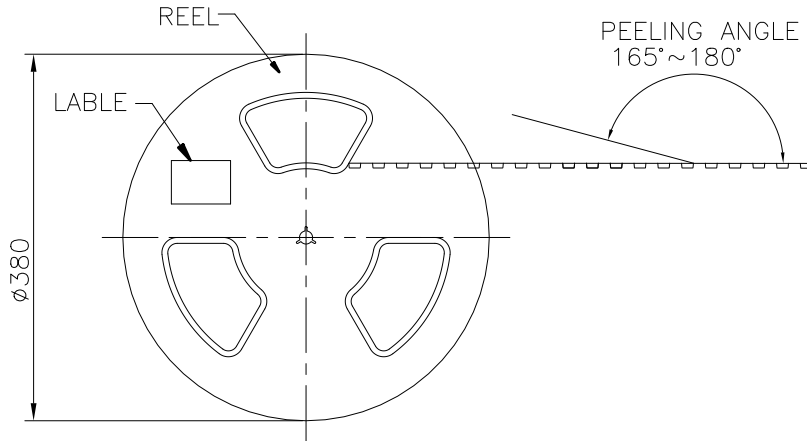


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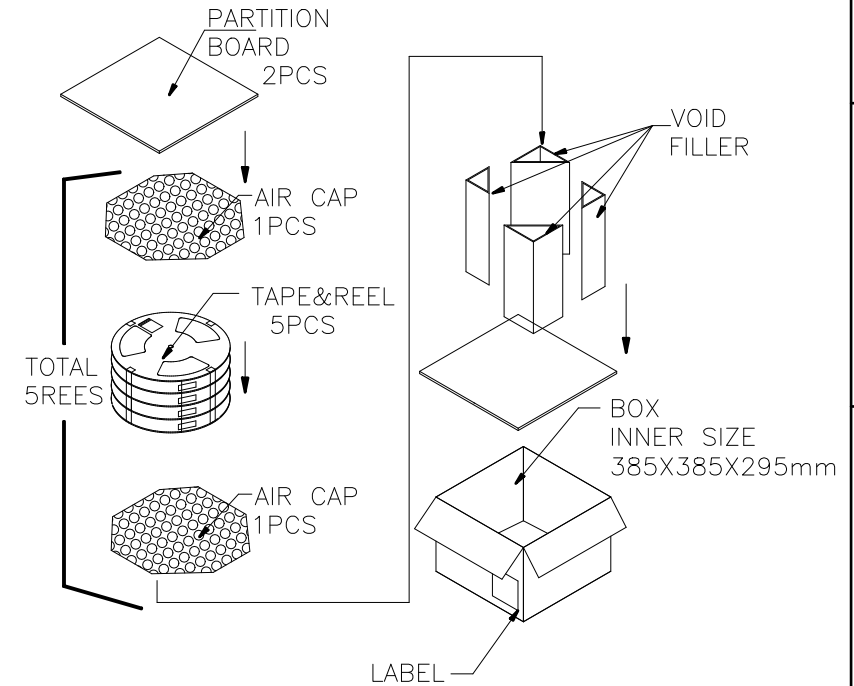
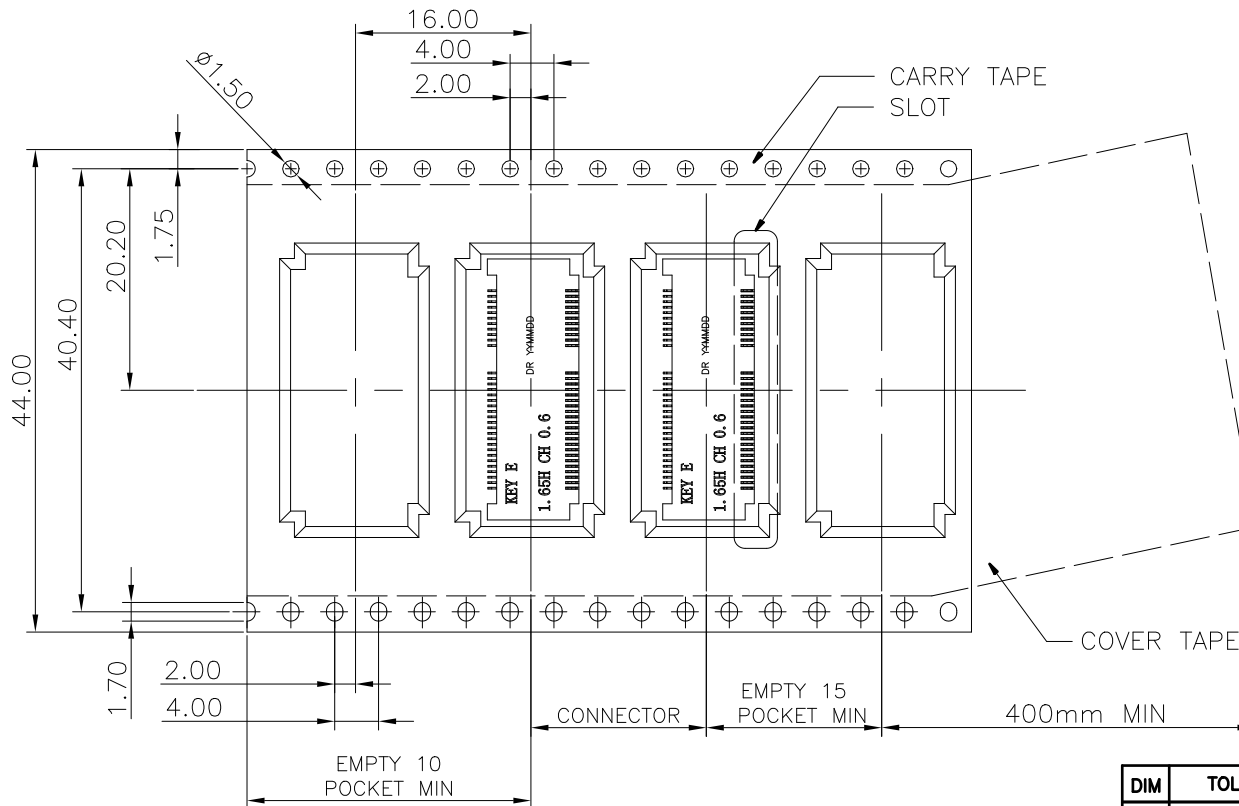
SHENZHEN DEREN ELECTRONIC CO., LTD

DIM		TOL		 SHENZHEN DEREN ELECTRONIC CO., LTD	
x	±0.20	x	±2°		
.x	±0.10	.x	±1°		
.xx	±0.05				
				DRAW NO.	
				SC1600798-2	
				REV.	B
				C-DWG:	TY
				DATE	
				DESIGN:	Joe Lam
				CHECK:	Mike Chen
				APPROVAL:	Bill Lin
				DATE	
				TITLE: NGFF 1.65H CH 0.60 KEY E	
				P/N: SEE TABLE 1	
				SHEET:	2/3
				SCALE:	N/A
				UNIT:	mm

48



FEEDING DIRECTION



- NOTES :
1. MATERIAL :
COVER TAPE : ANTISTATIC P.S T=0.05±0.01 ,COLOR:CLEAR
CARRIER TAPE : ANTISTATIC P.S 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

1500	5	7500
PCS/ TAPE	REELS/ BOX	PCS/BOX

DEREN
SHENZHEN DEREN ELECTRONIC CO., LTD

C-DWG:	TY	DATE	TITLE: NGFF 1.65H CH 0.60 KEY E RVS
DESIGN:	Joe Lam	2024.04.02	P/N: SEE TABLE 1
CHECK:	Mike Chen	2024.04.02	SHEET: 3/3
APPROVAL:	Bill Lin	2024.04.02	SCALE: N/A UNIT: mm

DIM	TOL	DIM	TOL
x	±0.30	x	±2°
.x	±0.25	.x	±1°
.xx	±0.15		

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