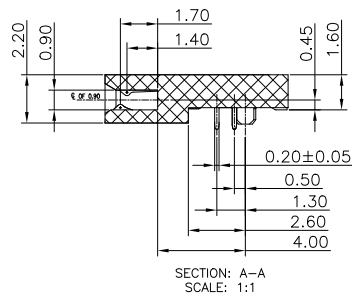
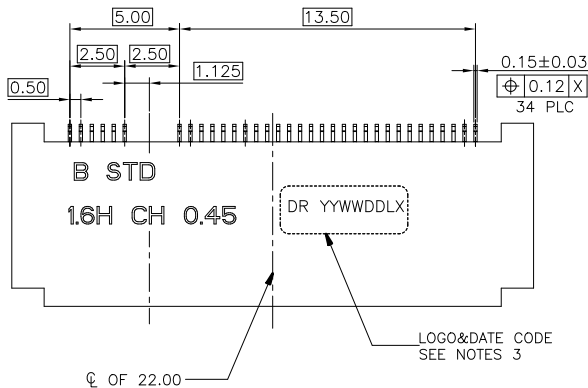


REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A			INITIAL RELEASE	2024.03.22	Sid Guo



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 SOLDER TAIL.
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: YYWDDLX
- 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:

40-42569-067 1 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 B
- PIN NUMBER CODE:
067: 67 PINS

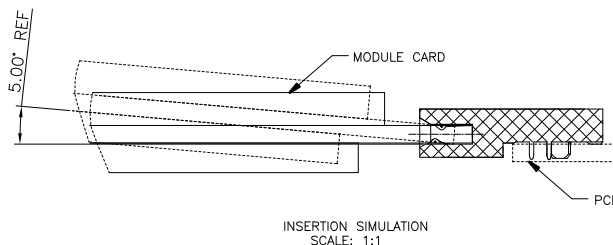
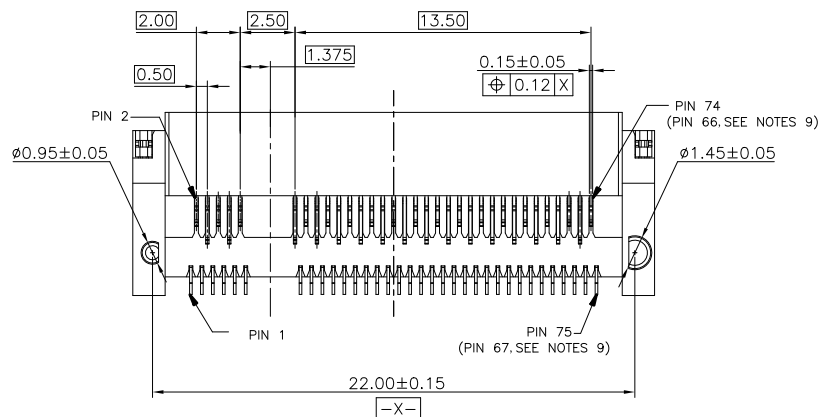
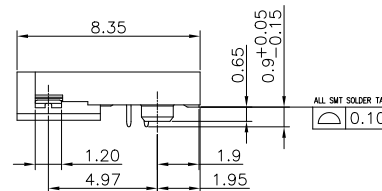
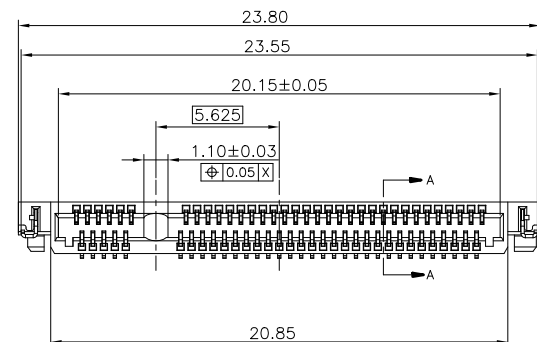


TABLE 1:

PART NUMBER	DESCRIPTION	DIM	TOL	DIM	TOL
40-42569-06711RHF	Au G/F ON CONTACT AREA	X.	±0.30	X.	±2*
40-42569-06712RHF	Au 5u" ON CONTACT AREA	.X	±0.25	.X	±1*
40-42569-06713RHF	Au 10u" ON CONTACT AREA	.XX	±0.20		
40-42569-06714RHF	Au 15u" ON CONTACT AREA				
40-42569-06715RHF	Au 30u" ON CONTACT AREA				

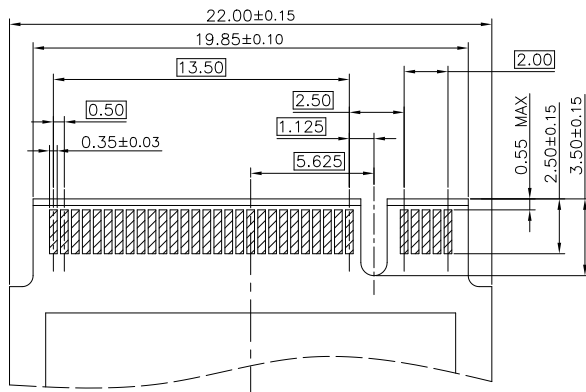


DEREN

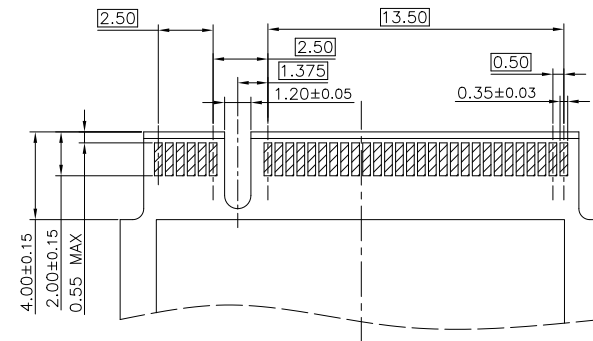
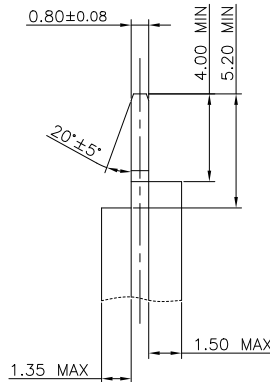
SHENZHEN DEREN ELECTRONIC CO., LTD

C-DWG:	TY	DATE	TITLE: NGFF 1.60H KEY B STD CH 0.45
DESIGN:	Sid Guo	2024.03.22	P/N: SEE TABLE 1
CHECK:	Mike Chen	2024.03.22	SHEET: 1/3
APPROVAL:	Bill Lin	2024.03.22	SCALE: N/A UNIT: mm

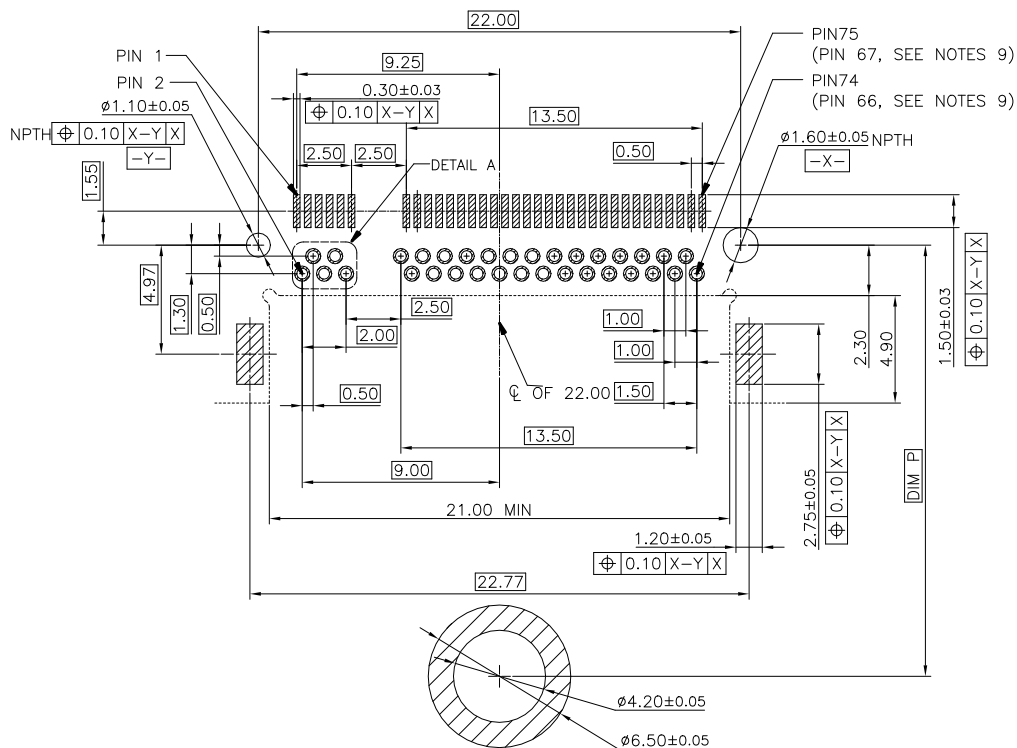
PLUG PCB



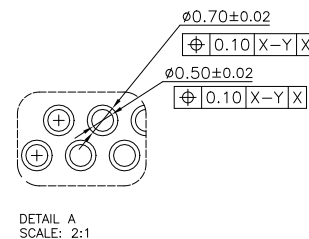
BOTTOM SIDE



TOP SIDE



RECOMMEDND NGFF PCB LAYOUT(TOP VIEW)



DETAIL A
SCALE: 2:1

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

DIM		TOL	DIM		TOL	 DEREN SHENZHEN DEREN ELECTRONIC CO., LTD			
x	±0.30	x	±2°	DRAW NO.		C-DWG:	TY	DATE	TITLE: NGFF 1.60H KEY B STD CH 0.45
.x	±0.25	.x	±1°	SC1600397-1		DESIGN:	Sid Guo	2024.03.22	P/N: SEE TABLE 1
.xx	±0.15					CHECK:	Mike Chen	2024.03.22	SHEET: 2/3
				REV. A		APPROVAL:	Bill Lin	2024.03.22	SCALE: N/A UNIT: mm

48

LABLE

REEL

PEELING ANGLE
165°~180°

ø380

FEEDING DIRECTION

16.00

4.00

2.00

CARRY TAPE
SLOT

ø1.50

44.00

40.40

20.20

1.75

B STD
16H CH 0.45
OR YIMODX

B STD
16H CH 0.45
OR YIMODX

COVER TAPE

1.70

2.00

4.00

EMPTY 10
POCKET MIN

CONNECTOR

EMPTY 15
POCKET MIN

400mm MIN

PARTITION
BOARD
2PCS

AIR CAP
1PCS

TAPE&REEL
5PCS

TOTAL
5REES

AIR CAP
1PCS

VOID
FILLER

BOX
INNER SIZE
385X385X295mm

LABEL

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



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. SC1600397-1		DESIGN: Sid Guo	DATE 2024.03.22	TITLE: NGFF 1.60H KEY B STD CH 0.45	
CHECK: Mike Chen		2024.03.22		P/N: SEE TABLE 1	
REV. A		APPROVAL: Bill Lin		2024.03.22	SHEET: 3/3
				SCALE: N/A	UNIT: mm