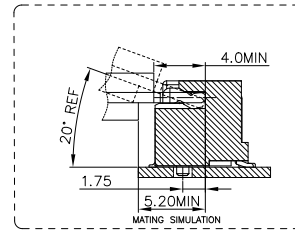
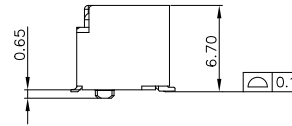
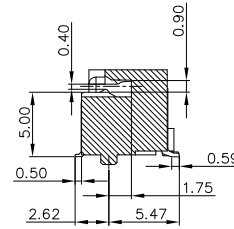
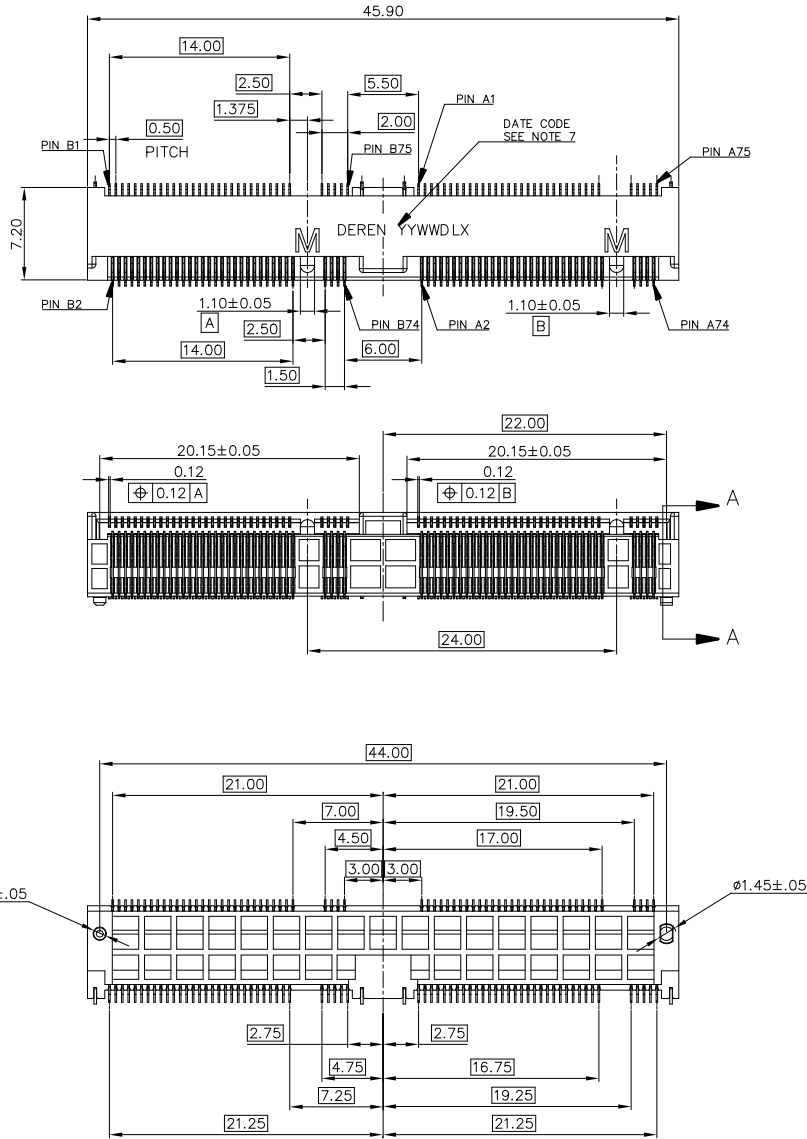


REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
X1			INITIAL RELEASE	2024.01.24	Sid Guo



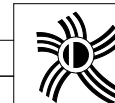
3D VIEW

- NOTES:
- PRODUCT MUST MEET CONTROLLED SUBSTANCES SPEC ROHS 2.0.
 - MATERIAL:
 - HOUSING: LCP, UL94V-0, COLOR: BLACK.
 - CONTACTS: PHOSPHOR BRONZE.
 - PEG: STAINLESS STEEL.
 - FINISH:
 - CONTACT:
 - 50u" MIN NICKEL UNDERPLATED ALL OVER, Au GF PLATING ON SOLDER TAIL.
 - GOLD PLATING (THICKNESS SEE NOTE 9) ON CONTACT AREA.
 - PEG:
 - 100u" MIN MATTE-TIN, 50u" MIN NICKEL UNDERPLATING.
 - REFLOW SOLDER CAPABLE TO 260°C 10 SEC.
 - ELECTRICAL CHARACTERISTICS:
 - CONTACT CURRENT RATING: 0.5 AMPERE MAX PER 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), 20m OHM MAX(FINAL).
 - OPERATION TEMPERATURE: -40°C TO +80°C.
 - RECOMMEND STENCIL THICKNESS 0.15MM.
 - DATE CODE 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.
8. CONNECTOR ACTUAL PIN QUANTITY IS 134 AS THE KEYS TAKING OUT 16 PINS.
9. PART NUMBER DESCRIPTION:
- 5642D3-002H-XB1R
- PACKING CODE:
R: TAPE & REEL
- RESERVED CODE 1
- KEY TYPE
B: KEY M
- PLATING CODE:
 - Au GF
 - Au 5u"
 - Au 10u"
 - Au 15u"
 - Au 30u"
- HALOGEN CODE:
HALOGEN FREE

TABLE 1:

PART NUMBER	DESCRIPTION
5642D3-002H-1B1R	Au G/F ON CONTACT AREA
5642D3-002H-2B1R	Au 5u" ON CONTACT AREA
5642D3-002H-3B1R	Au 10u" ON CONTACT AREA
5642D3-002H-4B1R	Au 15u" ON CONTACT AREA
5642D3-002H-5B1R	Au 30u" ON CONTACT AREA

DIM	TOL	DIM	TOL
X.	±0.30	X.	±2°
.X	±0.25	.X	±1°
.XX	±0.20		



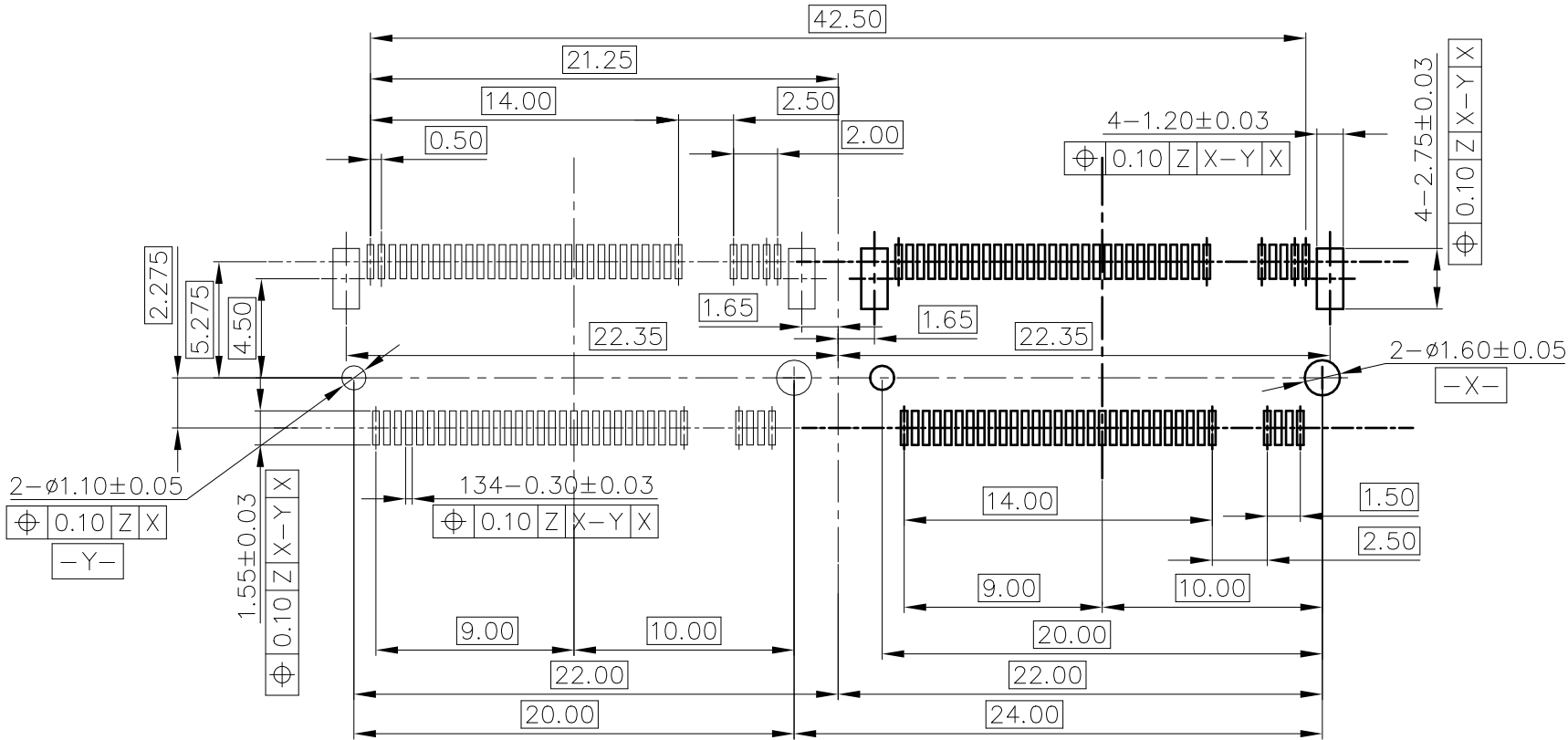
DEREN

SHENZHEN DEREN ELECTRONIC CO., LTD

C-DWG	HQ	DATE	TITLE: M.2 150PIN 6.7H DUAL KEY M GEN4 CONNECTOR
DESIGN:	Sid Guo	2024.01.24	P/N: SEE TABLE 1
CHECK:	Mike Chen	2024.01.24	SHEET: 1/5
REV.	X1	APPROVAL: Bill Lin	2024.01.24
		SCALE: N/A	UNIT: mm

HF

Halogen Free



PCB LAYOUT FOR RECOMMENDATION(TOP VIEW)
DATUM Z: PCB SOLDER SURFACE



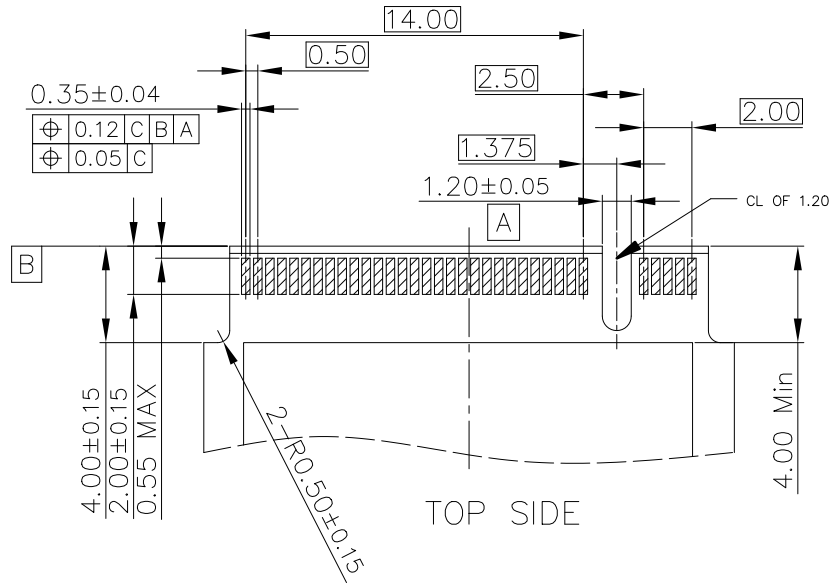
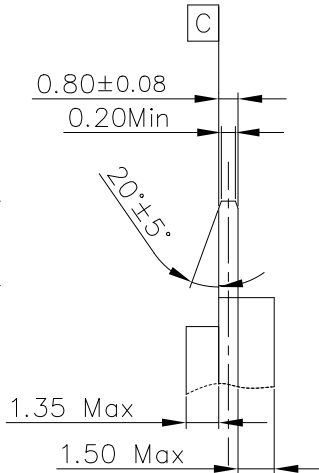
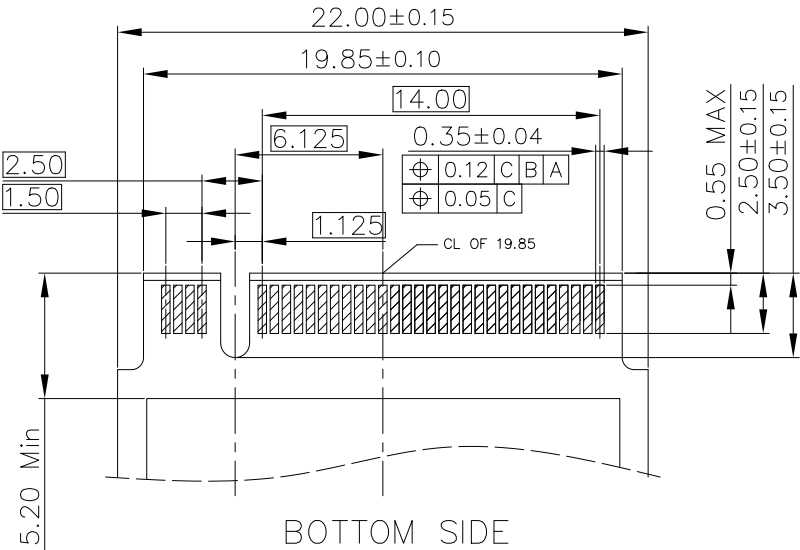
DEREN

SHENZHEN DEREN ELECTRONIC CO., LTD

DIM	TOL	DIM	TOL
X	± 0.30	X	$\pm 2^\circ$
.X	± 0.25	.X	$\pm 1^\circ$
.XX	± 0.20		

C-DWG		HQ	DATE	TITLE: M.2 150PIN 6.7H DUAL KEY M GEN4 CONNECTOR
DESIGN: Sid Guo		2024.01.24	P/N: SEE TABLE 1	
CHECK: Mike Chen		2024.01.24	SHEET: 2/5	
APPROVAL: Bill Lin		2024.01.24	SCALE: N/A	UNIT: mm

RECOMMENDED M.2 CARD

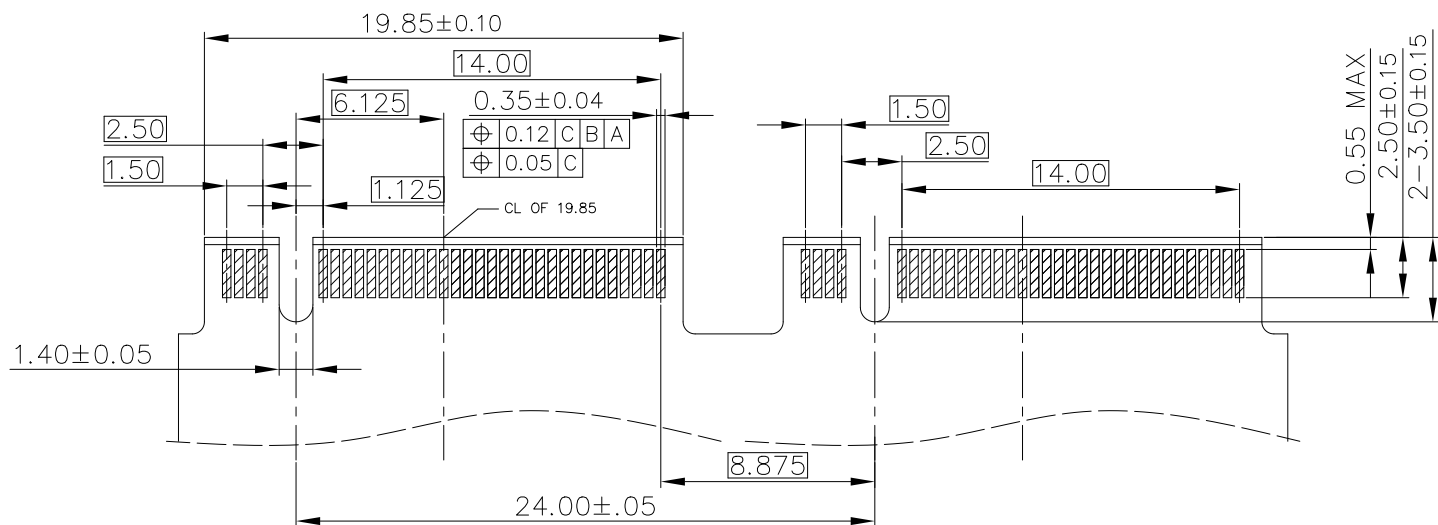


DIM	TOL	DIM	TOL	 DEREN SHENZHEN DEREN ELECTRONIC CO., LTD			
x	± 0.30	x	$\pm 2^\circ$	C-DWG	HQ	DATE	TITLE: M.2 150PIN 6.7H DUAL KEY M GEN4 CONNECTOR
.x	± 0.25	.x	$\pm 1^\circ$	DRAW NO.	DESIGN:	Sid Guo 2024.01.24	P/N: SEE TABLE 1
.xx	± 0.20			SC2308955-4	CHECK:	Mike Chen 2024.01.24	SHEET: 3/5 
				REV. X1	APPROVAL:	Bill Lin 2024.01.24	SCALE: N/A UNIT: mm

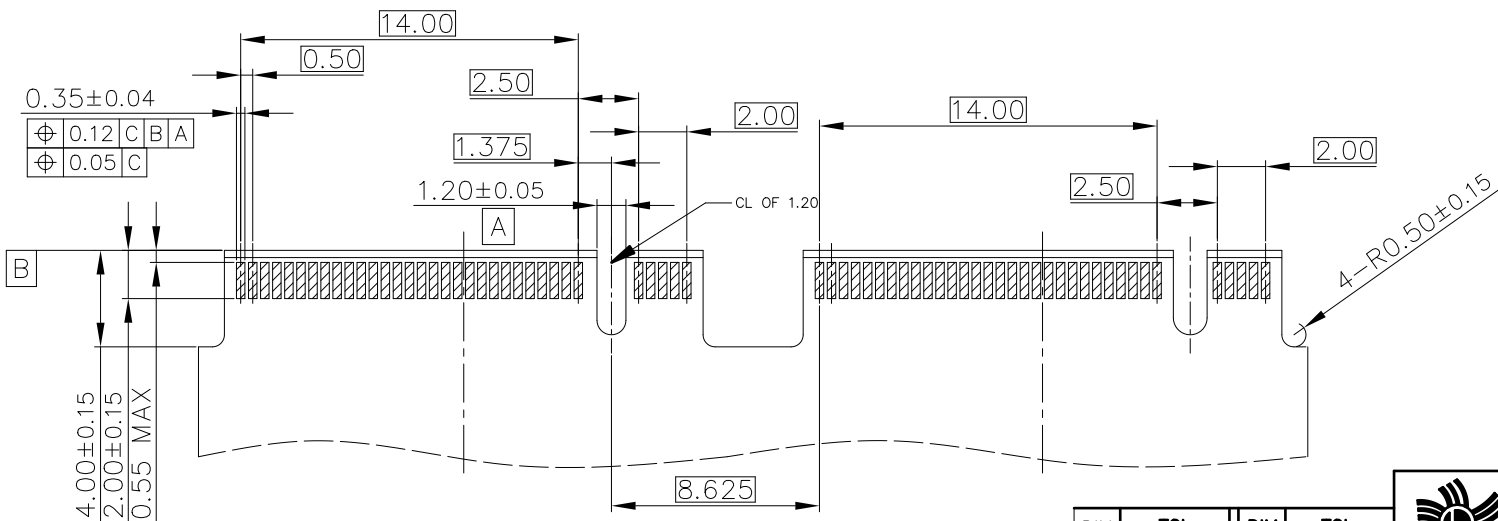
HF

Halogen Free

RECOMMENDED M.2 CARD



BOTTOM SIDE



TOP SIDE

DIM	TOL	DIM	TOL
x	± 0.30	x	$\pm 2^\circ$
.x	± 0.25	.x	$\pm 1^\circ$
.xx	± 0.20		



DEREN

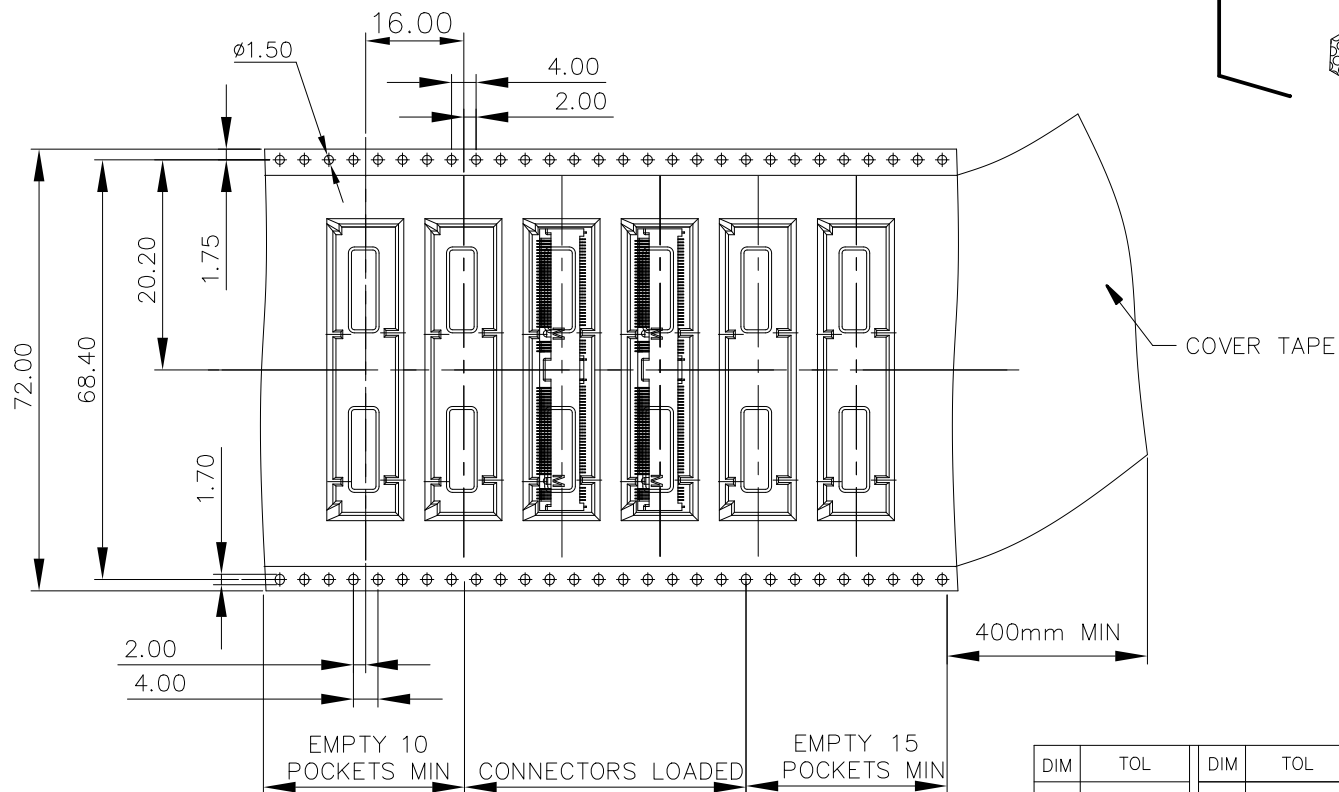
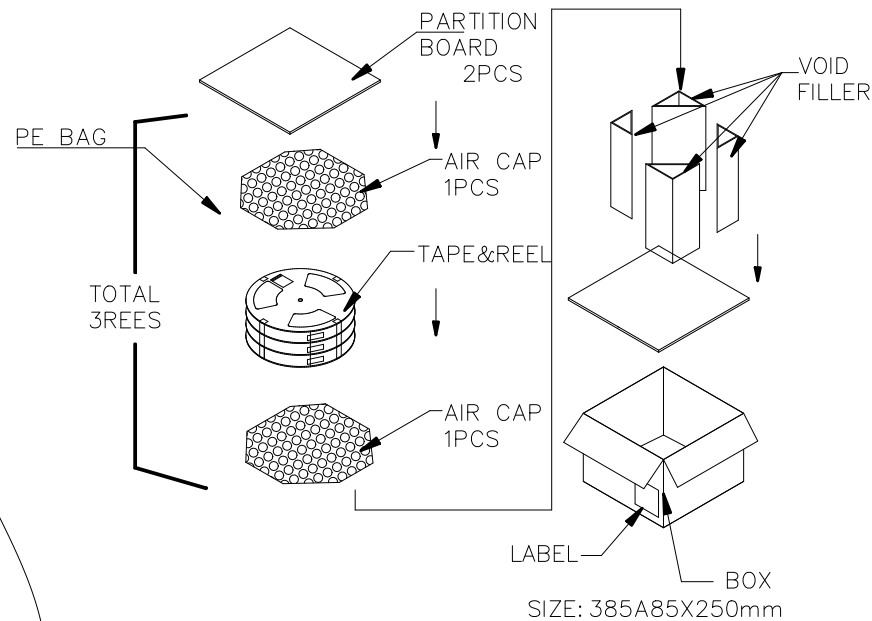
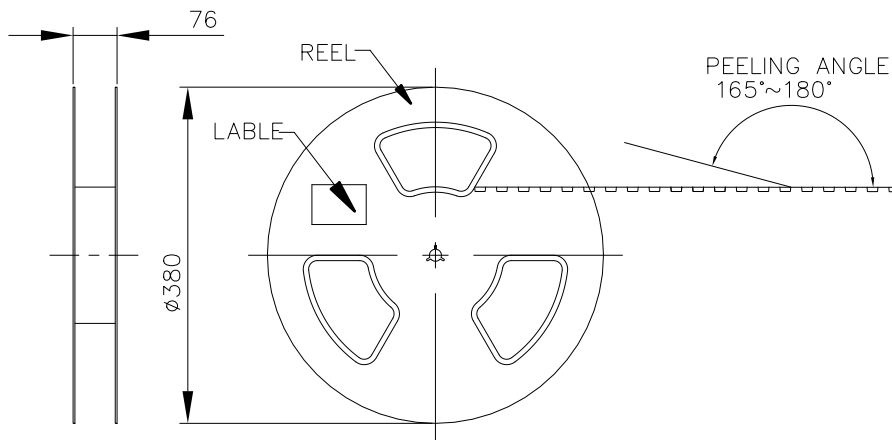
SHENZHEN DEREN ELECTRONIC CO., LTD

C-DWG	HQ	DATE	TITLE: M.2 150PIN 6.7H DUAL KEY M GEN4 CONNECTOR
DESIGN:	Sid Guo	2024.01.24	P/N: SEE TABLE 1
CHECK:	Mike Chen	2024.01.24	SHEET: 4/5
APPROVAL:	Bill Lin	2024.01.24	SCALE: N/A UNIT: mm

HF

Halogen Free

FEEDING DIRECTION →



600	3	1800
PCS/REEL	REELS/BOX	PCS/BOX

DIM	TOL	DIM	TOL
X.	± 0.30	X.	$\pm 2^{\circ}$
.X	± 0.25	.X	$\pm 1^{\circ}$
.XX	± 0.20		



DEREN

SHENZHEN DEREN ELECTRONIC CO., LTD

C-DWG	HQ	DATE	TITLE: M.2 150PIN 6.7H DUAL KEY M GEN4 CONNECTOR
DESIGN:	Sid Guo	2024.01.24	P/N: SEE TABLE 1
CHECK:	Mike Chen	2024.01.24	SHEET: 5/5
APPROVAL:	Bill Lin	2024.01.24	SCALE: N/A UNIT: mm