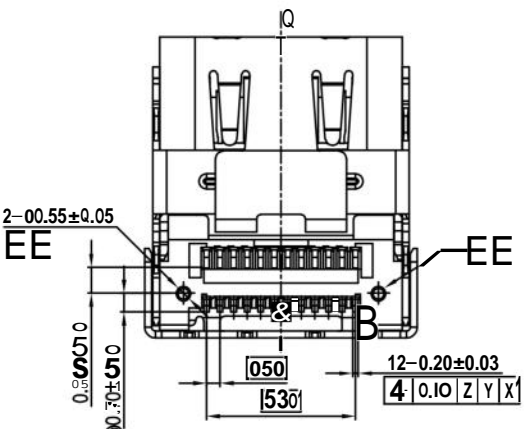
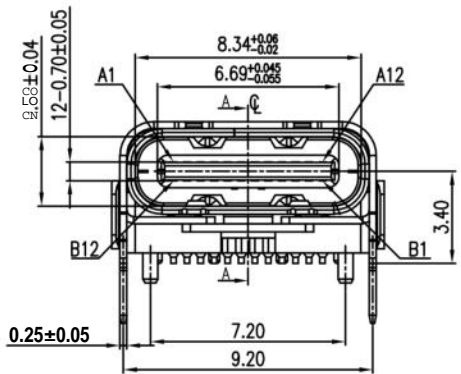
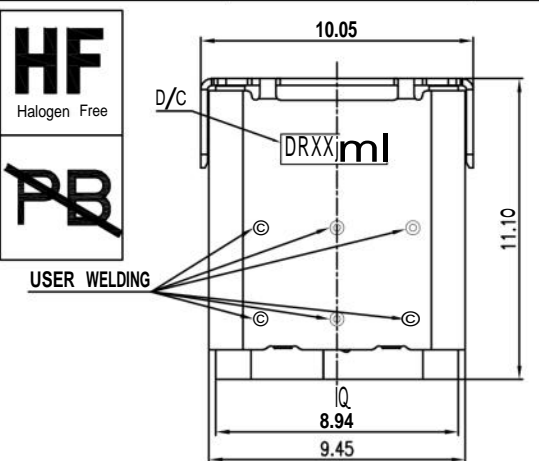


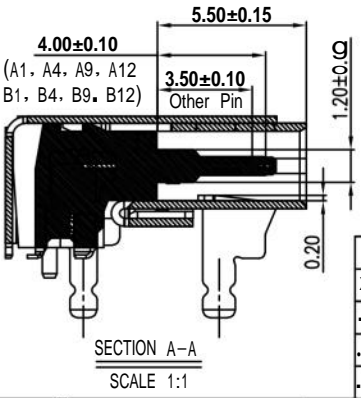
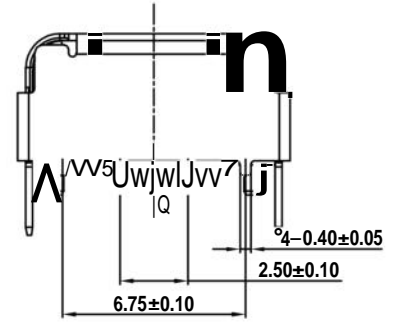
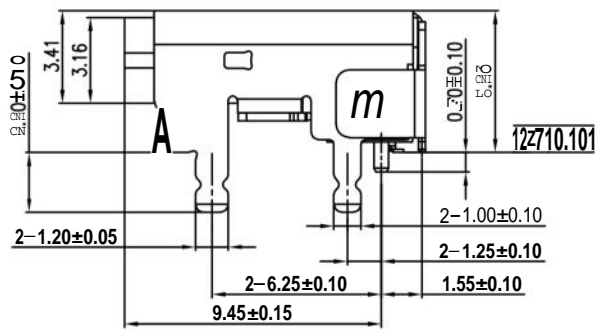
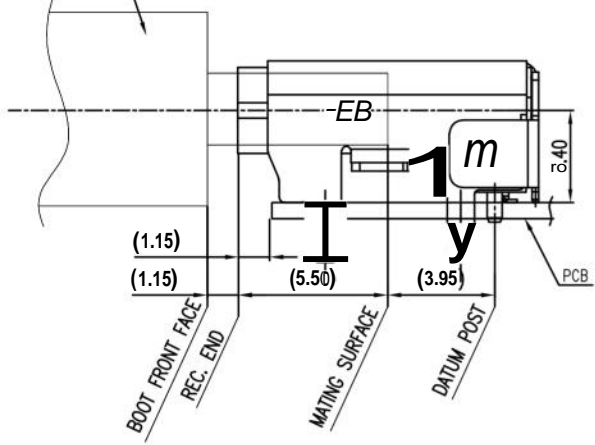
R  
A  
B  
C  
D  
E

1 2 3 4 5 6 7 8



USB TYPE-C PLUG

REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
A			PRELIMINARY RELEASED	06/16'20	Chen haibo
B		ⓑ	Hja/stifflswiteaiERt	H/19'20	Chen haibo
C		ⓒ	变更掏料方式	11/2/20	Chen haibo



NO.	PART NAME	MATERIAL	FINISH	Q'TY
6	OUTER SHELL	STAINLESS STEEL	50u"NI ALL OVER	1
5	INNER SHELL	STAINLESS STEEL	CLEAN	1
4	MID PLATE	STAINLESS STEEL	CLEAN	1
3	BOTTOM CONTACTS	COPPER ALLOY	50u"NI ALL OVER/Au SEE NOTES	12
2	TOP CONTACTS		MATTE TIN 80u" IN SOLDER TAIL	12
1	HOUSING	LCP	BLACK, UL 94V-0	1

DIM	TOL	DIM	TOL
.X	$\pm 0.30$	.x	$\pm 2'$
.X	$\pm 0.25$	.x	$\pm r$
.XX	$\pm 0.15$		
.XXX	$\pm 0.05$		



**DEREN**  
SHENZHEN DEREN ELECTRONIC CO., LTD

CUSTOMER DRAWING DATE: 11/2/20

DESIGN: Chen haibo

CHECK:

APPROVAL: Charles 11/2/20

DRAW NO. SC2006545

TITLE: USB TYPE C REC 24PIN CL=3.4MM DUAL SMT CONN

P/N: 40-42583-A3100RHF

SHEET: 1/3 # e3

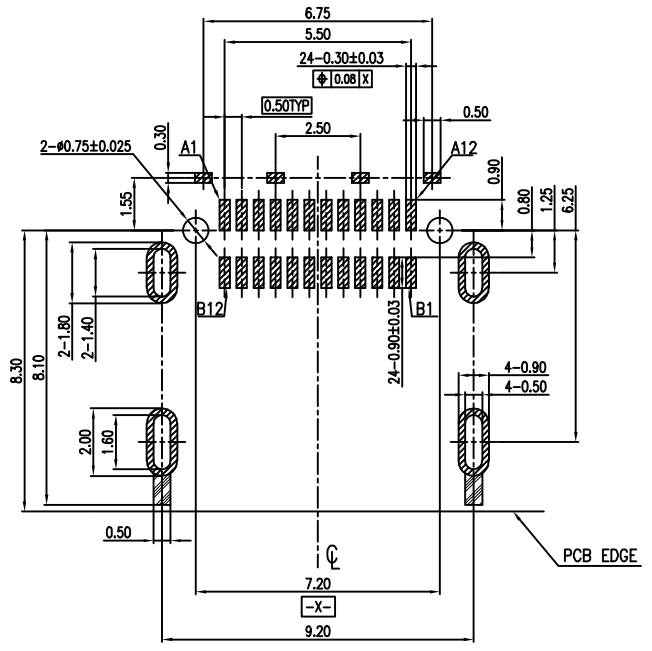
SCALE: 1:1 UNIT: mm

SECTION A-A  
SCALE 1:1

1 2 3 4 5 6 7 8

A  
B  
C  
D  
E  
J

REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
SEE PAGE 1					



1. ELECTRICAL :
  - 1-1.CONTACT CURRENT RATING :
    - 5.0A FOR VBUS AND GND.
    - (i.e., Pins A4,A9,B4,B9)
    - 1.25A FOR Vconn AND GND.
    - (i.e., Pins B5,A1,A12,B1,B12)
    - 0.25A FOR ALL THE OTHERS CONTACTS.
  - 1-2.INSULATION RESISTANCE :
    - 100 MEGAOHMS MIN. AT 250VDC.
  - 1-3.DIELECTRIC WITHSTANDING VOLTAGE :
    - 100VAC MIN.
  - 1-4.LOW LEVEL CONTACT RESISTANCE :
    - INITIAL 40mΩ MAX.
    - AFTER 50mΩ MAX.
- 2.MECHANICAL CHARACTERISTICS :
  - 2-1.INSERTION FORCE :5N~20N .
  - 2-2.EXTRACTION FORCE :
    - 8N~20N FROM 1 TO 1000 CYCLES.
    - 6~20N FROM 1001 TO 10000 CYCLE.
  - 2-3.DURABILITY :10,000 MATING CYCLES.
  - 2-4.OPERATING TEMPERATURE :-55°C TO +85°C
3. REFLOW SOLDER CAPABLE TO 260°C 10 SECONDS.
4. PART NUMBER DESCRIPTION:
  - 40-42583-A3100RHF

HF:HALOGEN FREE  
 PACKAGE CODE:  
 R:TAPE&REEL PACKING  
 RESERVED CODE: 0  
 LOGO CODE:  
 0: W/ DEREN LOGO  
 1: W/O LOGO  
 CONTACT PLATING CODE:  
 1: Au 30u"  
 2: Au 2u" & Pd/Ni 30u"  
 3: Gold Flash  
 FORM CODE:  
 PIN NUMBER CODE:  
 A: 24 PINS

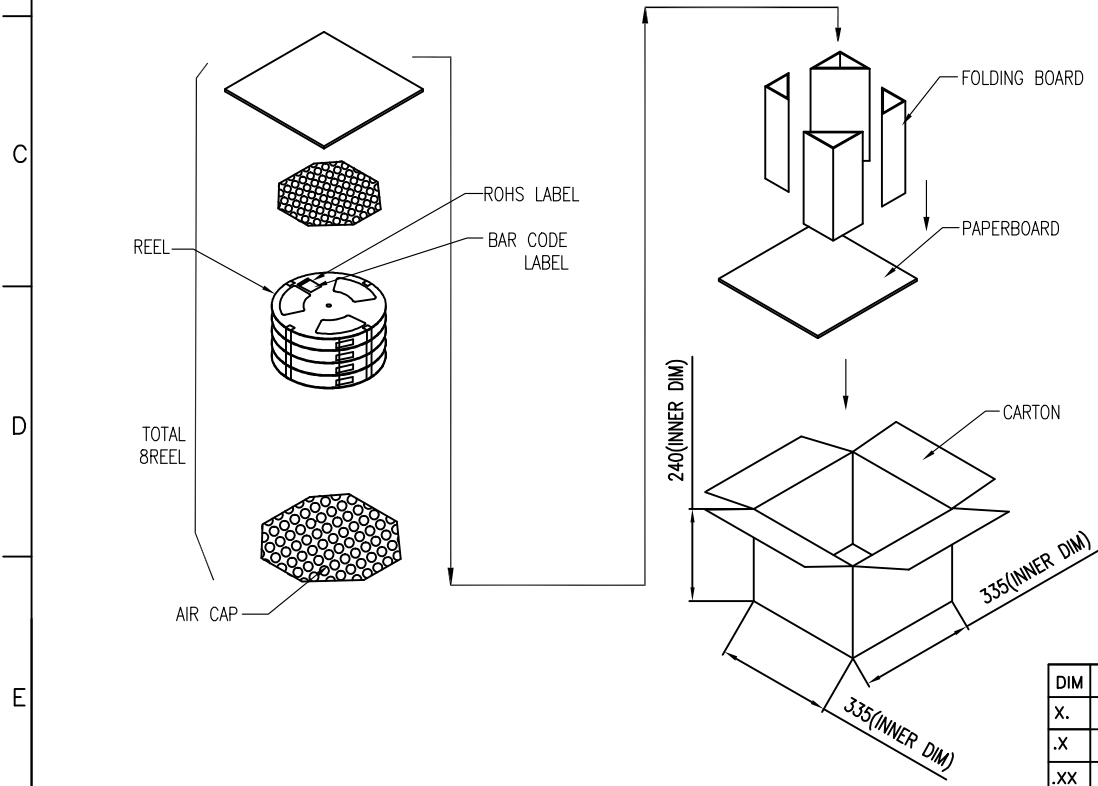
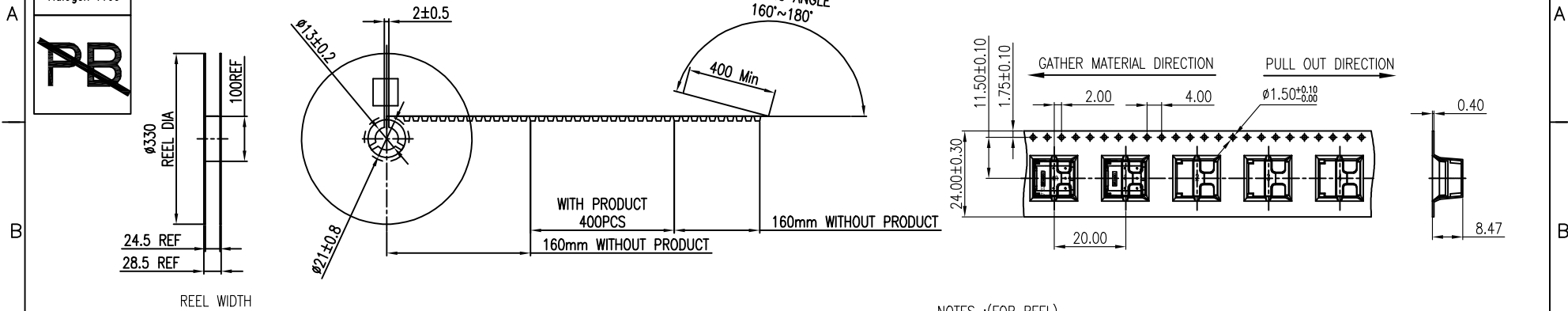
**RECOMENED P.C.B LAYOUT**  
 TOLERANCE: ±0.05

NO PATTERN. VIA HOLE IN THIS AREA

Pin	SIGNAL NAME	Pin	SIGNAL NAME
A1	GND	B12	GND
A2	SSTXp1	B11	SSRXp1
A3	SSTXn1	B10	SSRXn1
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	SSRXn2	B3	SSTXn2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND

D	E	<b>DEREN</b> SHENZHEN DEREN ELECTRONIC CO., LTD	CUSTOMER DRAWING		DATE	TITLE: USB TYPE C REC 24PIN CL=3.4MM DUAL SMT CONN P/N: 40-42583-A3100RHF
			DESIGN: Chen haibo	11/27'20	SHEET: 2/3	
		DRAW NO. SC2006545	CHECK:	APPROVAL: Charles	11/27'20	SCALE: 1:1
		REV. C				UNIT: mm

REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
SEE PAGE 1					



NOTES :(FOR REEL)  
 PRODUCT MUST MEET CONTROLLED SUBSTANCES SPEC. ROHS 2.0  
 PACKAGING MATERIAL IN PLASTIC, RUBBER, INK, PIGMENT AND PAINT  
 MUST MEET CONTROLLED SUBSTANCES SPEC PER 230-702.  
 \* CADMIUM AND CADMIUM COMPOUNDS NOT TO EXCEED: 5 PPM.  
 \* LEAD, CADMIUM, CHROM VI AND MERCURY NOT TO EXCEED: 100 PPM (COMBINED).  
 \* CARRIER TAPES, COVER TAPES, REELS AND TAPED COMPONENTS MUST MEET THE  
 REQUIREMENTS DEFINED PER EIA-481-B.

- MATERIAL :  
 COVER TAPE : ANTISTATIC P.S T=0.05±0.01 ,COLOR: CLEAR  
 CARRIER TAPE : ANTISTATIC P.S T=0.40mm ±0.05 , COLOR: CLEAR  
 REEL : PS UL94V-0  
 SHIPPING BOX: CORRUGATED FIBER
- DIMENSION :  
 REEL : SEE DRAWING  
 BOX : SEE DRAWING
- QUANTITY : SEE TABLE
- WEIGHT : SEE TABLE
- PEELING RESISTANCE : 10gf~130gf (for 12~56mm)
- PEELING SPEED : 300mm/MINUTES

400	8	3200	40-42583-A3100RHF
PCS/ REEL	REEL/ BOX	PCS/ BOX	PART NUMBER

DIM	TOL	DIM	TOL
.X	±0.30	x	±2'
.X	±0.25	.x	±1'
.XX	±0.15		
.XXX	±0.05		

**DEREN**  
 SHENZHEN DEREN ELECTRONIC CO., LTD

DRAW NO. SC2006545	DESIGN:	Chen haibo	DATE	11/27'20	TITLE: USB TYPE C REC 24PIN CL=3.4MM DUAL SMT CONN P/N: 40-42583-A3100RHF
	CHECK:		SHEET:	3/3	
REV. C	APPROVAL:	Charles	DATE	11/27'20	SCALE: 1:1
				UNIT:	mm