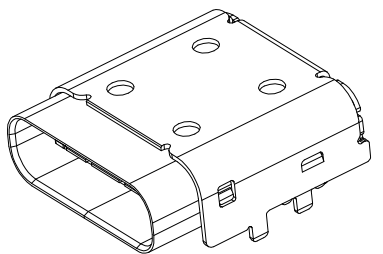
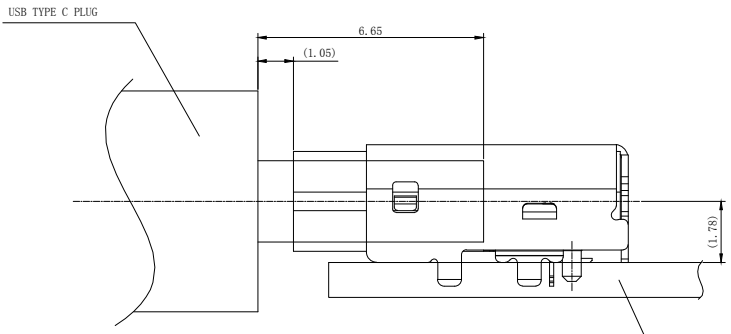
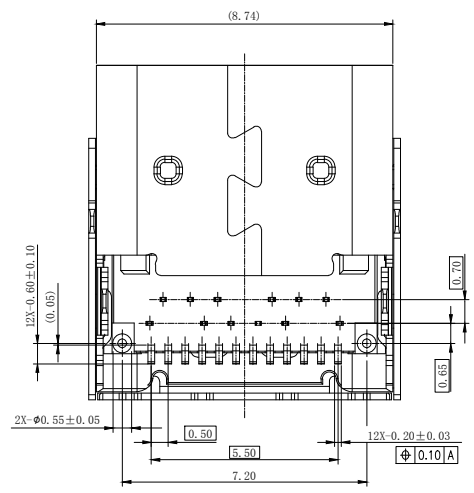
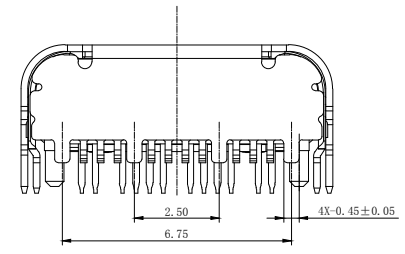
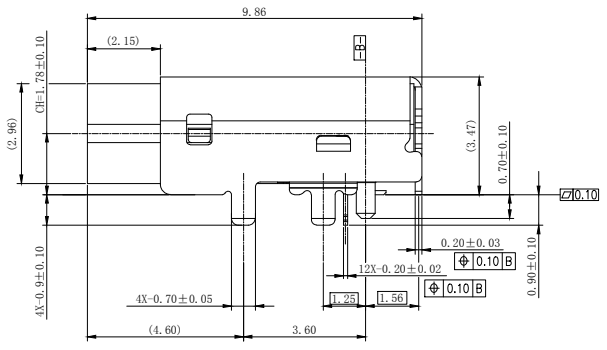
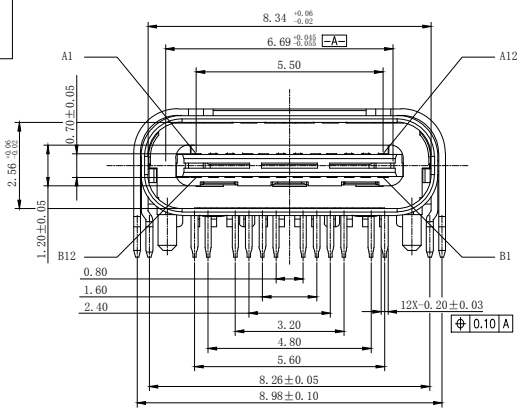


# HF

Halogen Free



REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
B2			UPDATE DRAWING	02/24'17	GAVIN
B3			DIMENSION MODIFICATION	03/28'17	GAVIN



NOTES :

- ELECTRICAL :
  - 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.
  - INSULATION RESISTANCE : 100 MEGAOHMS MIN. AT 250VDC.
  - DIELECTRIC WITHSTANDING VOLTAGE : 100VAC MIN.
  - LOW LEVEL CONTACT RESISTANCE : INITIAL 40mΩ MAX, AFTER 50mΩ MAX.
- MECHANICAL CHARACTERISTICS :
  - INSERTION FORCE : 5N~20N
  - EXTRACTION FORCE : 8N~20N FROM 1 TO 1000 CYCLES 6~20N FROM 1001 TO 10000 CYCLE.
  - DURABILITY : 10,000 MATING CYCLES.
  - OPERATING TEMPERATURE : -55°C TO +85°C
- REFLOW SOLDER CAPABLE TO 260°C 10 SECS.
- PART NUMBER INFORMATION:  
40-42407-0246300RHF

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:  
 024: 24 PINS

⑦	TOP CONTACT	1 SET	COPPER ALLOY	50u" MIN. Ni UNDER PLATING.
⑥	BOTTO CONTACT	1 SET	COPPER ALLOY	80u" MIN. MATTE TIN PLATING ON SOLDER AREA. GOLD PLATING ON CONTACT AREA.(SEE PART NUM)
⑤	GND PLATE	2 PCS	STAINLESS	N/A
④	MID PLATE	1 PCS	STAINLESS	50u" MIN. SOLDERABLE Ni PLATING OVERALL.
③	HOUSING	1 PCS	LCP	UL94V-0
②	SHELL	1 PCS	STAINLESS	50u" MIN. SOLDERABLE Ni PLATING OVERALL.
①	TOP SHELL	1 PCS	STAINLESS	50u" MIN. SOLDERABLE Ni PLATING OVERALL.
ITEM	PART NAME	QTY	MATERIAL	REMARK

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

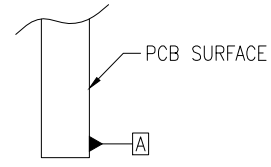
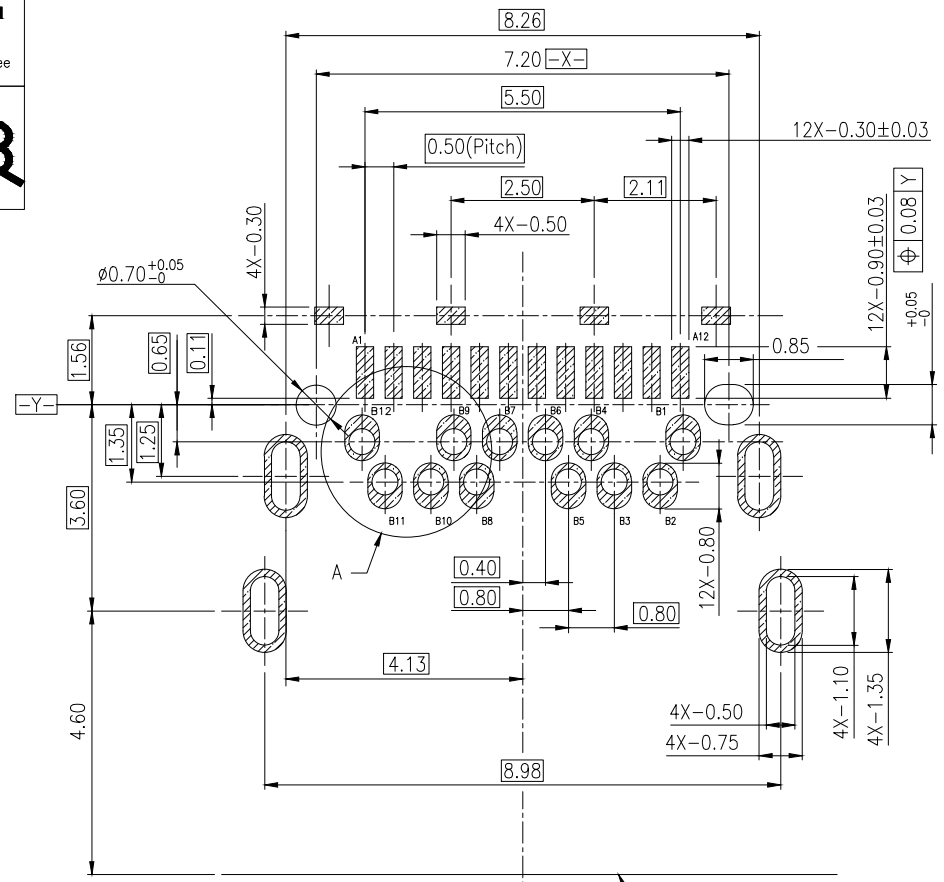
CUSTOMER DRAWING	DATE	TITLE
DESIGN: Gavin	02/20/17	USB TYPE C REC Top-Mount Hybrid CH=1.78mm CONNECTOR
CHECK: Gavin	02/20/17	P/N: 40-42407-0246300RHF
APPROVAL: ERIC	02/20/17	SHEET: 1/3
		SCALE: N/A UNIT: mm

**HF**

Halogen Free

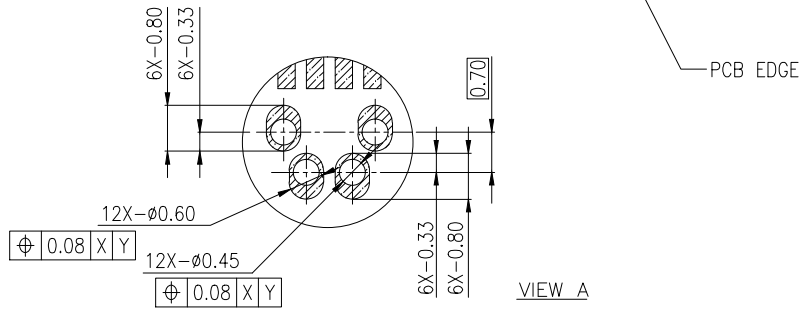


REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
B1			UPDATE DRAWING	2/24/17	GAVIN
B3			SEE PAGE 1		



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

RECOMMENDED PCB LAYOUT TOLERANCE ±0.05



DIM	TOL	DIM	TOL
x.	±0.30	x.	±3°
.x		x.	±2°
.xx			
.xxx			



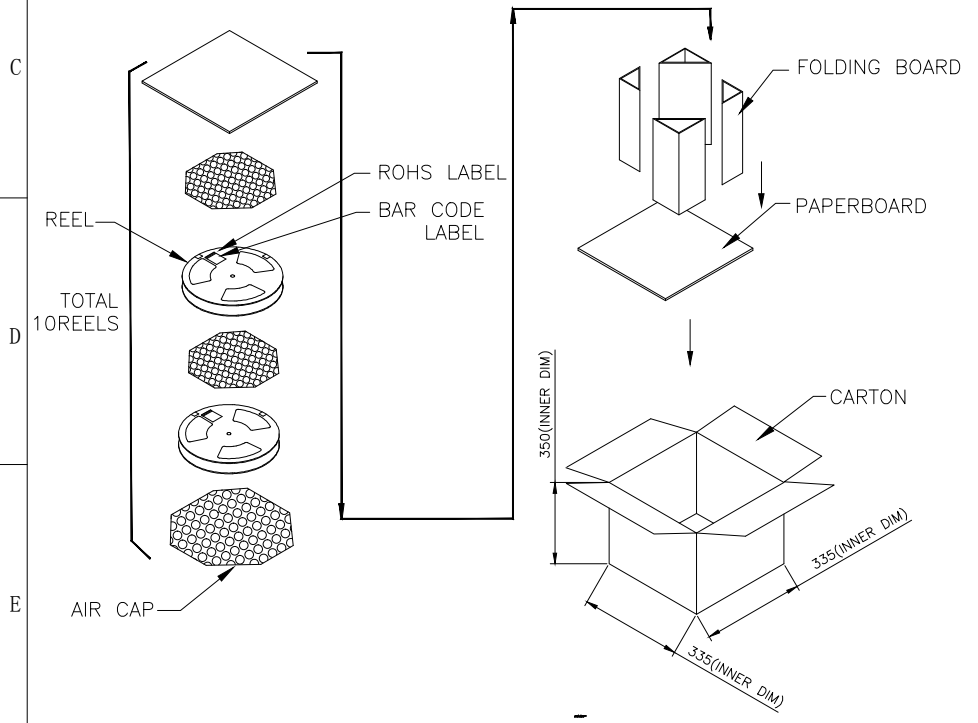
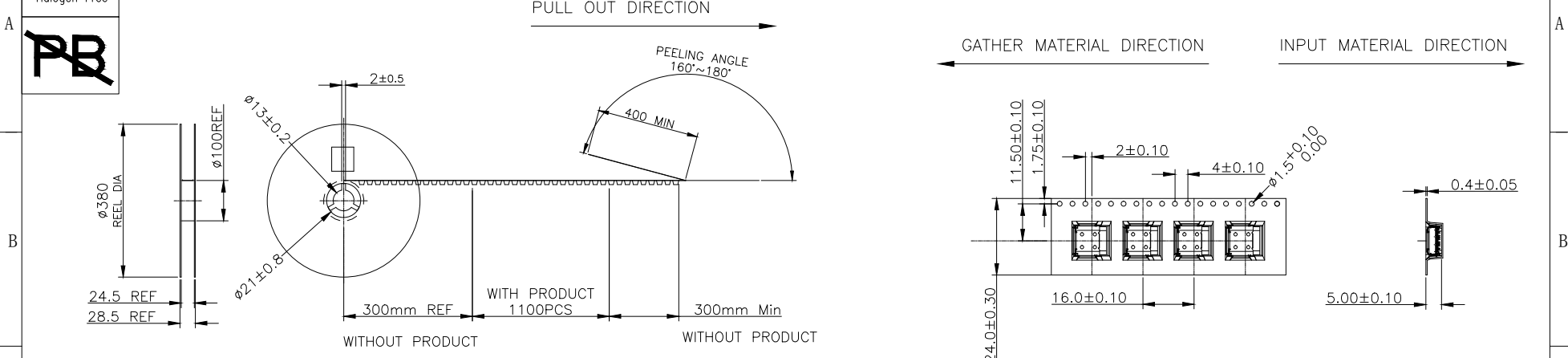
**DEREN**  
SHENZHEN DEREN ELECTRONIC CO., LTD

CUSTOMER DRAWING	DATE	TITLE: USB TYPE C REC Top-Mount Hybrid CH=1.78 CONNECTOR
DESIGN: Gavin	02/20/17	P/N:40-42407-0246300RHF
CHECK: Gavin	02/20/17	SHEET: 2/3
APPROVAL: ERIC	02/20/17	SCALE: 1:1 UNIT: mm

DRAW NO. T-XX-00XX  
REV. B1



REV.	ECN NO.	LOCATION	DESCRIPTION	DATE	DESIGN
B1			UPDATE DRAWING	02/24'17	GAVIN
B3			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.

1. MATERIAL :

COVER TAPE : ANTISTATIC P.S T=0.05±0.01 ,COLOR: CLEAR

CARRIER TAPE : ANTISTATIC P.S T=0.40mm ±0.05 , COLOR: BLACK

REEL : PS UL94V-0

SHIPPING BOX: CORRUGATED FIBER

2. DIMENSION :

REEL : SEE DRAWING

BOX : SEE DRAWING

3. QUANTITY : SEE TABLE

4. WEIGHT : SEE TABLE

5. PEELING RESISTANCE : 10gf~130gf (for 12~56mm)

6. PEELING SPEED : 300mm/MINUTES

1100	8	8800	40-42407-0246300RHF
PCS/REEL	REEL/BOX	PCS/BOX	PART NUMBER

DIM	TOL	DIM	TOL
.x	/	.x	/
.x	/	.x	/
.xx	/		

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

CUSTOMER DRAWING	DATE	TITLE: USB TYPE C REC Top-Mount Hybrid CH=1.78mm CONNECTOR
DESIGN: Gavin	02/20'17	P/N: 40-42407-0246300RHF
CHECK: Gavin	02/20'17	SHEET: 3/3
APPROVAL: ERIC	02/20'17	SCALE: 1:1 UNIT: mm