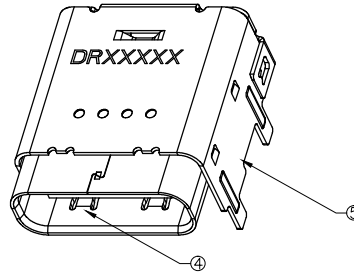
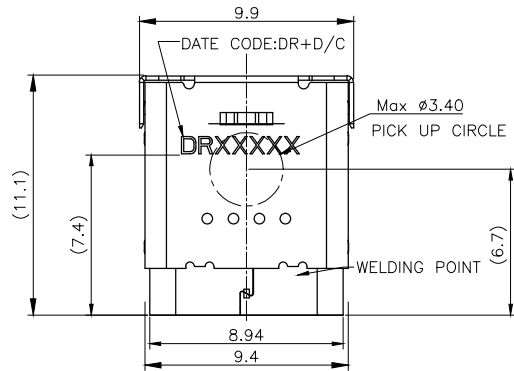


HF

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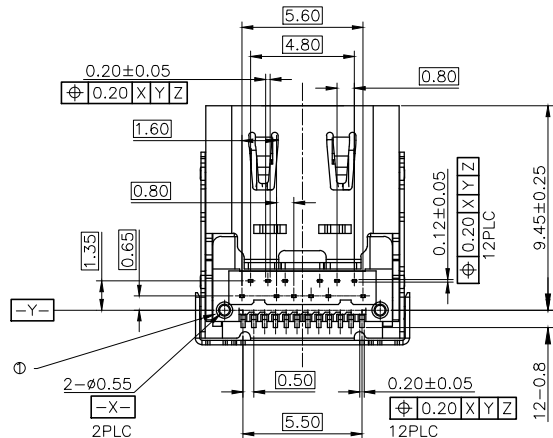
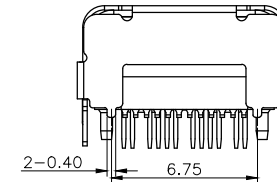
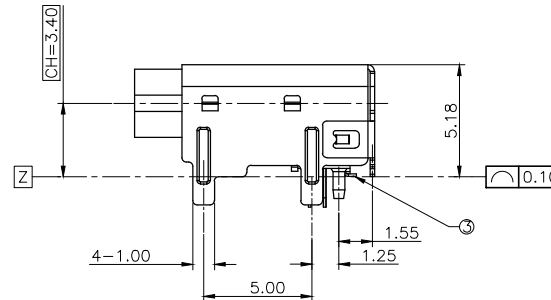
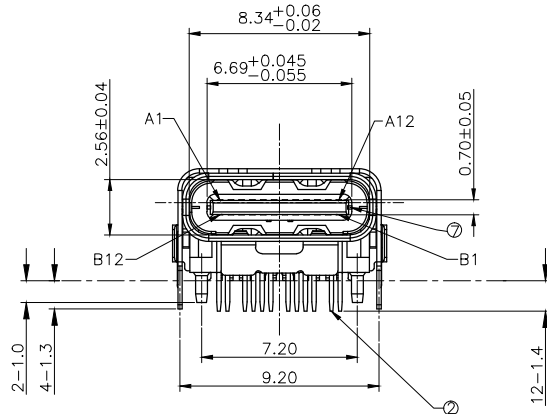


REV.	DESCRIPTION	DATE	DESIGN
X1	PRELIMINARY	01/29/'18	Alex



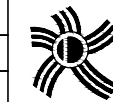
NOTES :

- 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 100VDC.
 - 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
3. REFLOW SOLDER CAPABLE TO 260°C 10 SECS.



NO.	PART NAME	MATERIAL	FINISH	Q'TY
6	MID PLATE	STAINLESS STEEL	CLEAN	1
5	OUTER SHELL	STAINLESS STEEL	50u"NI ALL OVER/MATTE SN100u" SOLDER TAIL	1
4	INNER SHELL	STAINLESS STEEL	CLEAN	1
3	BOTTOM CONTACTS	COPPER ALLOY	50u"NI ALL OVER/30 u" Au MIN CONTACT AREA 1 u" Au SOLDER AREA	12
2	TOP CONTACTS	COPPER ALLOY	50u"NI ALL OVER/30 u" Au MIN CONTACT AREA 1 u" Au SOLDER AREA	12
1	HOUSING	HIGH TEMPERATURE THERMOPLASTIC	BLACK, UL 94V-0	3

DIM	TOL	DIM	TOL
x.	±0.30	x.	±2'
.x	±0.25	.x	±1'
.xx	±0.15		
.xxx	±0.05		



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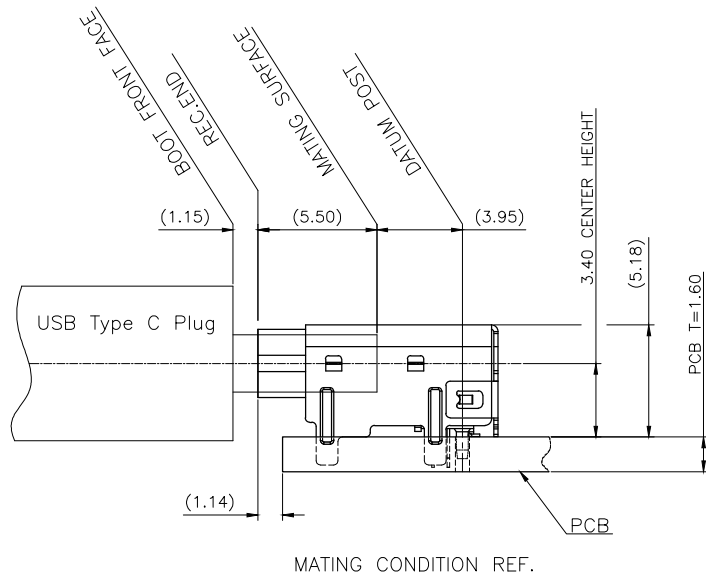
DRAW NO. SC1804063	DESIGN:	Alex	DATE	01/29/'18	TITLE:	UC REC 24PIN DIP+SMT SHELL 2 SMT FEET CH=3.40mm CONN.
	CHECK:				P/N:	560Q08-006H
REV.	X1	APPROVAL:			SHEET:	1/3
					SCALE:	N/A
					UNIT:	mm

HF

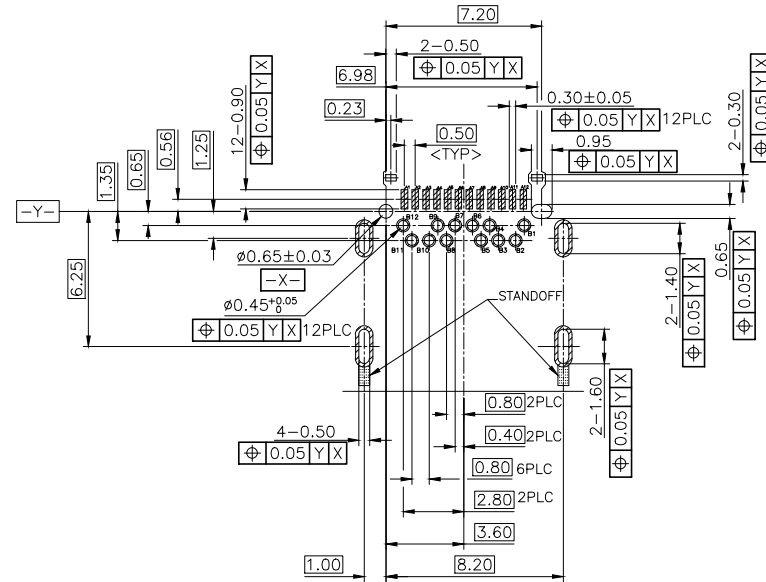
Halogen Free



REV.	DESCRIPTION	DATE	DESIGN
SEE PAGE 1/3			



MATING CONDITION REF.



RECOMENED P.C.B LAYOUT

NO PATTERN. VIA HOLE IN THIS AREA

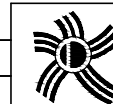
THICKNESS=1.60mm

TOLERANCE: ±0.05

TOP VIEW

PIN DEFINE:

Pin	Signal Name	Description	Mating Sequence	Pin	Signal Name	Description	Mating Sequence
A1	GND	Ground return	First	B12	GND	Ground return	First
A2	SSTXP1	Positive half of first Super Speed TX differential pair	Second	B11	SSRXp1	Negative half of first Super Speed RX differential pair	Second
A3	SSTXn1	Negative half of first Super Speed TX differential pair	Second	B10	SSRXn1	Positive half of first Super Speed RX differential pair	Second
A4	VBUS	Bus Power	First	B9	VBUS	Bus Power	First
A5	CC1	Configuration Channel	Second	B8	SBU2	Sideband Use(SBU)	Second
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	Second	B7	Dn2	Negative half of the USB 2.0 differential pair-Position 2	Second
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	Second	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2	Second
A8	SBU1	Sideband Use(SBU)	Second	B5	CC2	Configuration Channel	Second
A9	VBUS	Bus Power	First	B4	VBUS	Bus Power	First
A10	SSRXn2	Negative half of second Super Speed RX differential pair	Second	B3	SSTXn2	Positive half of second Super Speed TX differential pair	Second
A11	SSRXp2	Positive half of second Super Speed RX differential pair	Second	B2	SSTXp2	Negative half of second Super Speed TX differential pair	Second
A12	GND	Ground return	First	B1	GND	Ground return	First



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

DRAW NO. SC1804063		DESIGN: Alex	DATE: 01/29/'18	TITLE: UC REC 24PIN DIP+SMT SHELL 2 SMT FEET CH=3.40mm CONN.	
REV. X1	APPROVAL:	CHECK:		P/N: 560Q08-006H	
				SHEET: 2/3	
				SCALE: N/A	UNIT: mm

HF

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REV.	DESCRIPTION	DATE	DESIGN
SEE PAGE 1/3			

A

B

C

D

E

A

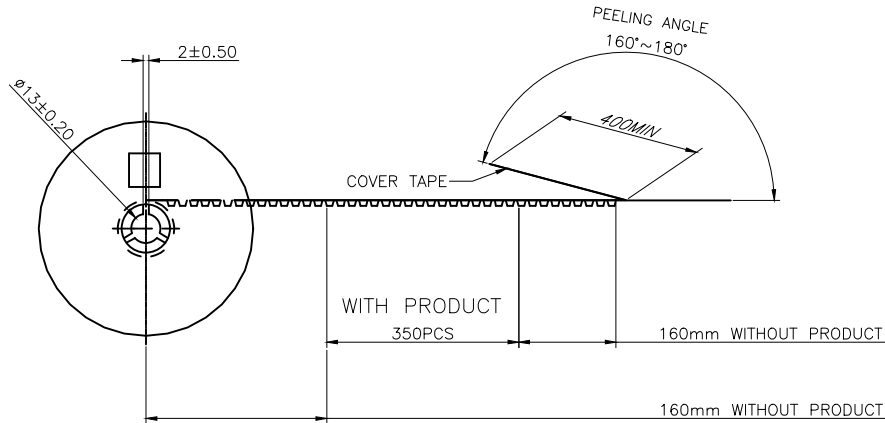
B

C

D

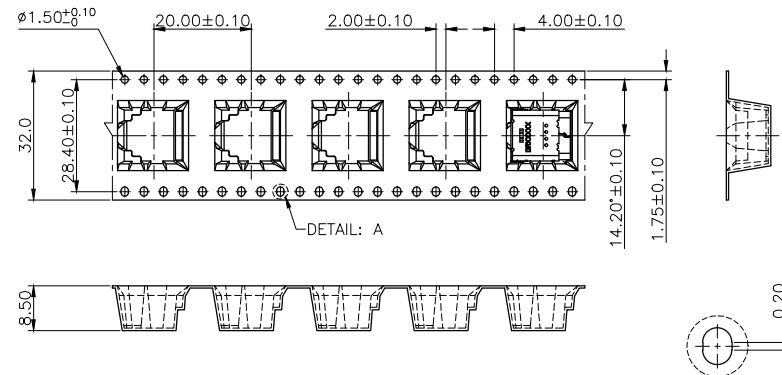
E

PULL OUT DIRECTION →



GATHER MATERIAL DIRECTION ←

INPUT MATERIAL DIRECTION →



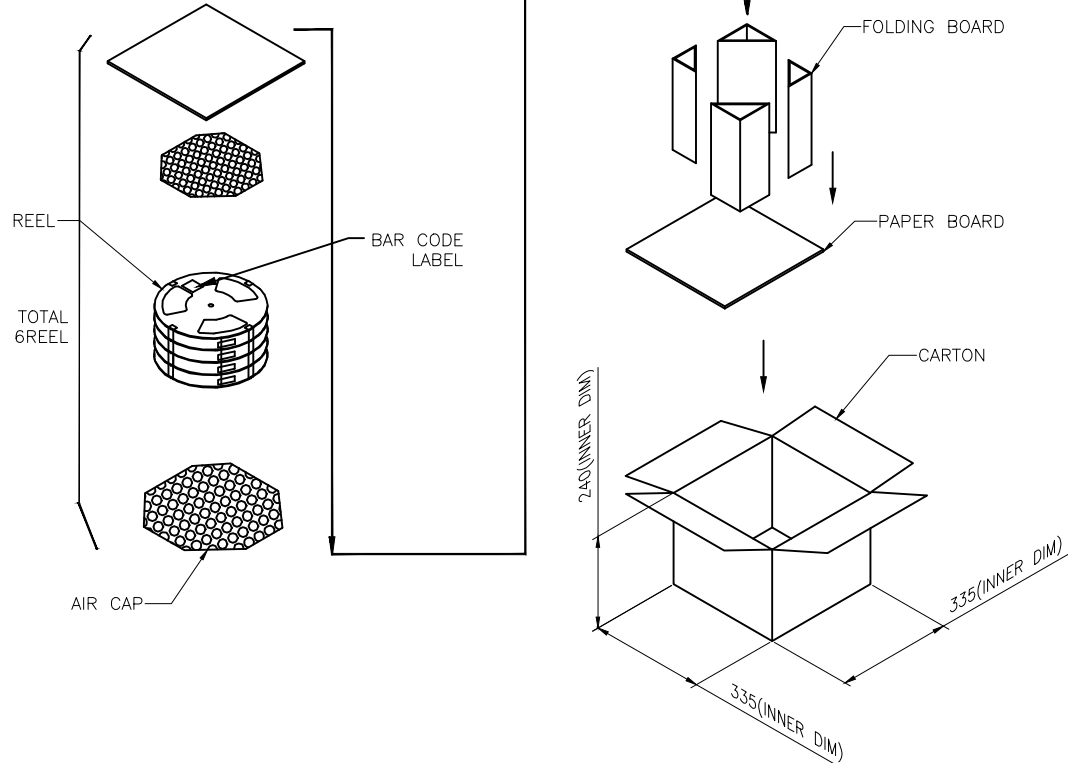
NOTES:(FOR REEL)

PRODUCT MUST MEET CONTROLLED SUBSTANCES SPEC. ROHS 2.0
PACKAGING MATERIAL IN PLASTIC, RUBER, INK, PIGMENT AND PAINT
MUST MEET CONTROLLED SUBSTANCES SPEC PER 230-702.

- * CADMIUM AND CADMIUM COMPOUNDS NOT TO EXCEED: 5 PPM.
- * LED, 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: WHITE
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

350	6	2100	560Q08-006H
PCS/REEL	REEL/BOX	PCS/BOX	PART NUMBER



DIM	TOL	DIM	TOL
x.	N/A	x.	N/A
.x	N/A	.x	N/A
.xx	N/A		
		REV.	X1

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CUSTOMER DRAWING	DATE	TITLE: UC REC 24PIN DIP+SMT SHELL 2 SMT FEET CH=3.40mm CONN.
DESIGN: Alex	01/29/18	P/N: 560Q08-006H
CHECK:		SHEET: 3/3
APPROVAL:		SCALE: N/A UNIT: mm

1 2 3 4 5 6 7 8