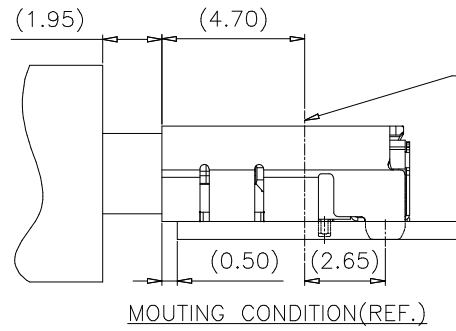
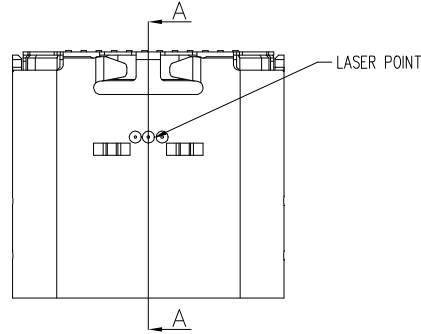
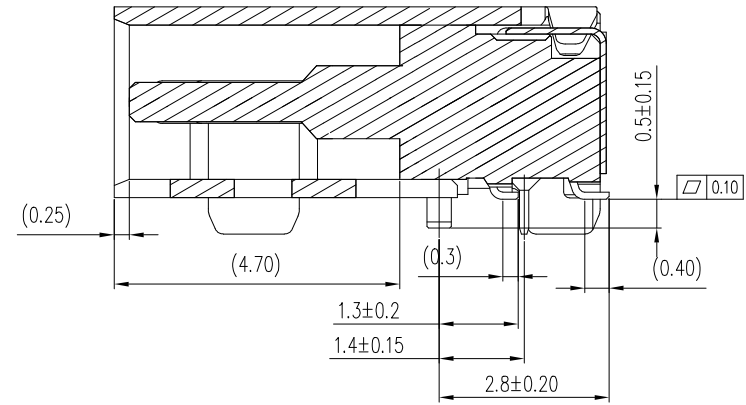


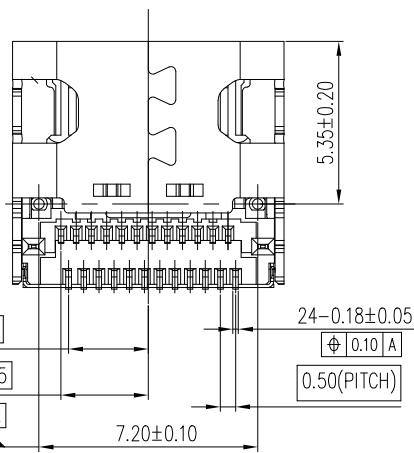
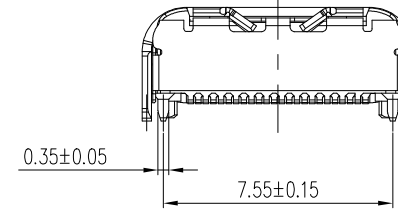
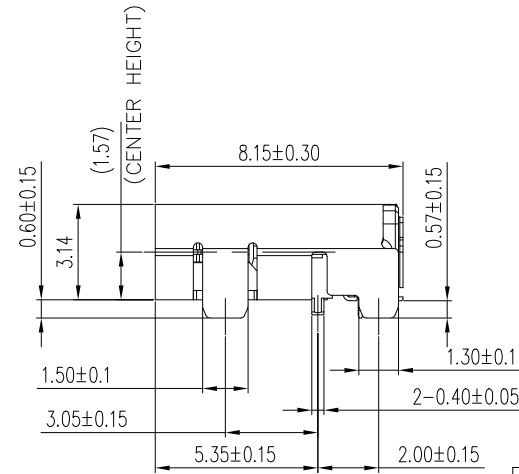
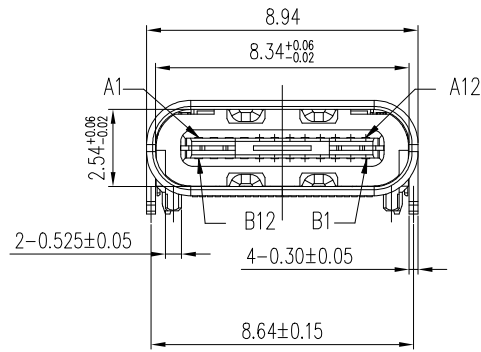
PRODUCT NUMBER
SEE PART NO. SCHEME



MATING BOTTOM SURFACE



SECTION A-A(SCALE 2:1)



USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	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

⑦	TOP CONTACT	1 SET	COPPER ALLOY	Ni UNDER PLATING. MATTE TIN PLATING ON SOLDER AREA.
⑥	BOTTOM CONTACT	1 SET	COPPER ALLOY	GOLD PLATING ON CONTACT AREA. (SEE P/N SCHEME)
⑤	MID PLATE	1 PCS	STAINLESS	Ni PLATING OVERALL.
④	SHIELDING PLATE	1 PCS	STAINLESS	Ni PLATING OVERALL.
③	HOUSING	1 PCS	THERMOPLASTIC	UL94V-0, BLACK
②	REAL SHELL	1 PCS	STAINLESS	Ni PLATING OVERALL.
①	MIAN SHELL	1 PCS	STAINLESS	Ni PLATING OVERALL.

ITEM	PART NAME	QTY	MATERIAL	REMARK
mat'l. code		surface	tolerance	projection
ISO 1302		ISO 406	ISO 1101	product family
tolerances unless otherwise specified		±0.3	mm	HPL 511
angles		linear	scale 1:1	title
0°±3'				USB 3.1 GEN2 Type C RECEPT. R/A SMT AND DIP TAILS
dr		KENNY TAI	2015-09-21	dwg no
engr		Yuan-Yuan Bao	2021-03-02	sheet 1 of 3
chr		Li-Qing Lei	2021-03-02	size
appd		Tim Yao	2021-03-02	10137065
sheet		revision		type
index		sheet		Product Customer Drawing

PRODUCT NUMBER

SEE PART NO. SCHEME

NOTES:

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. GROUND TERMINALS(A1,A12,B1,B12)
& MID-PLATE & SHELL ARE
SHORT TOGETHER

- 1-3. INSULATION RESISTANCE:
100 MEGAOHMS MIN. AT 250VDC.

- 1-4. DIELECTRIC WITHSTANDING VOLTAGE:
100VAC MIN.

- 1-5. LOW LEVEL CONTACT RESISTANCE:
INITIAL: 40mΩ MAX.; AFTER ENVIRONMENTAL
TEST: MAX. CHANGE 10mΩ.

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 CYCLES.
- 2-3. DURABILITY:
10,000 MATING CYCLES.
- 2-4. OPERATING TEMPERATURE:
-55°C TO +85°C
- 2-5. STATE STORAGE TEMPERATURE:
-55°C TO +85°C

- 3. CAPABLE TO 260°C REFLOW SOLDER FOR 10 SEC.

- 4. PRODUCT SPECIFICATION: GS-12-1336

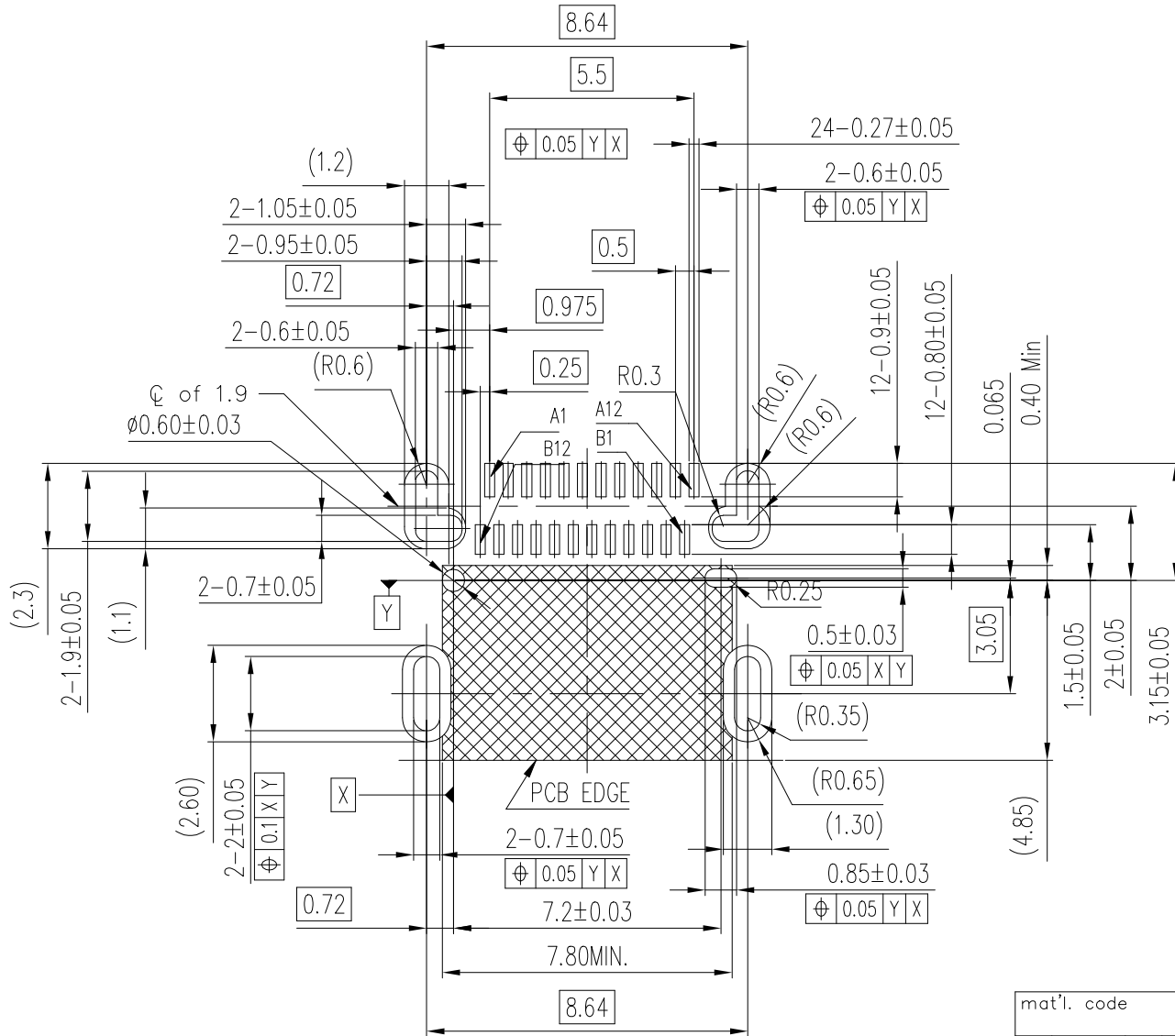
- 5. PACKAGE SPECIFICATION: GS-14-2487

PART NUMBER SCHEME:

10137065-000 X X LF

CONTACT PLATING
1. GOLD FLASH
2. 30u" Au

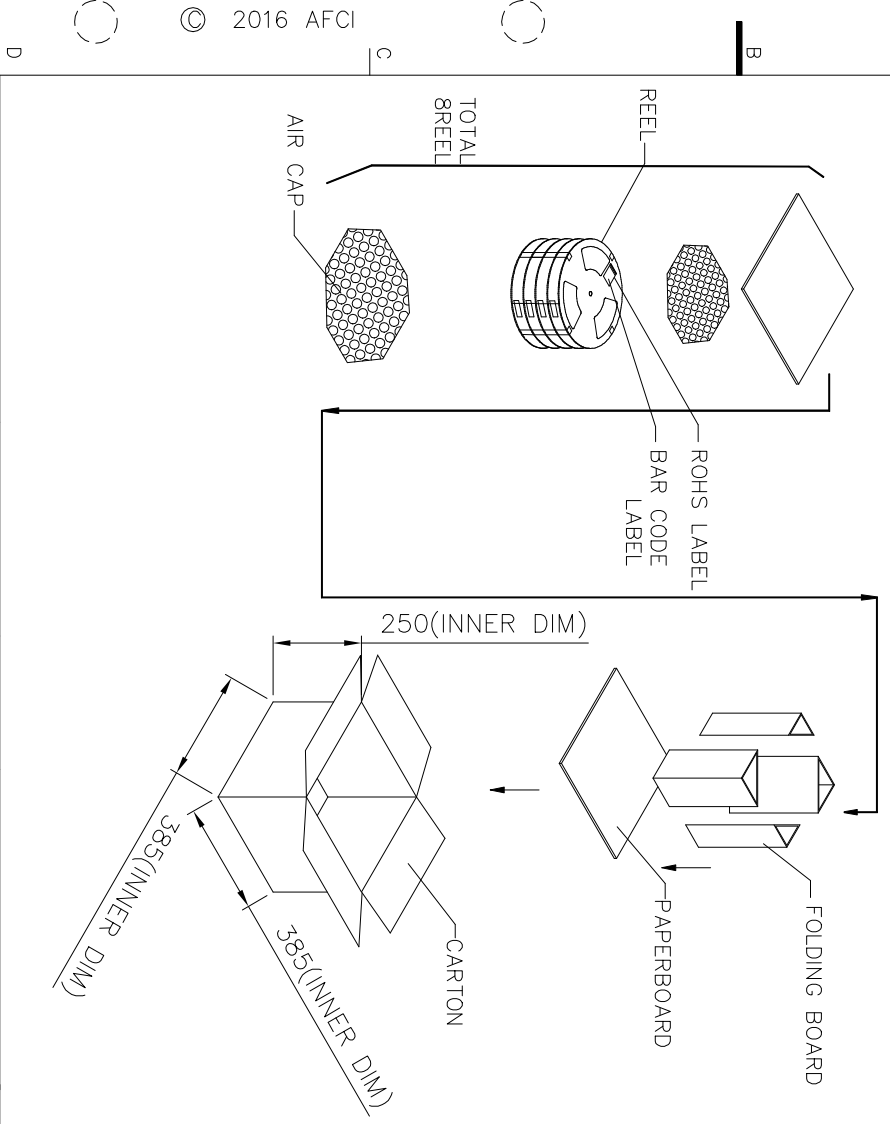
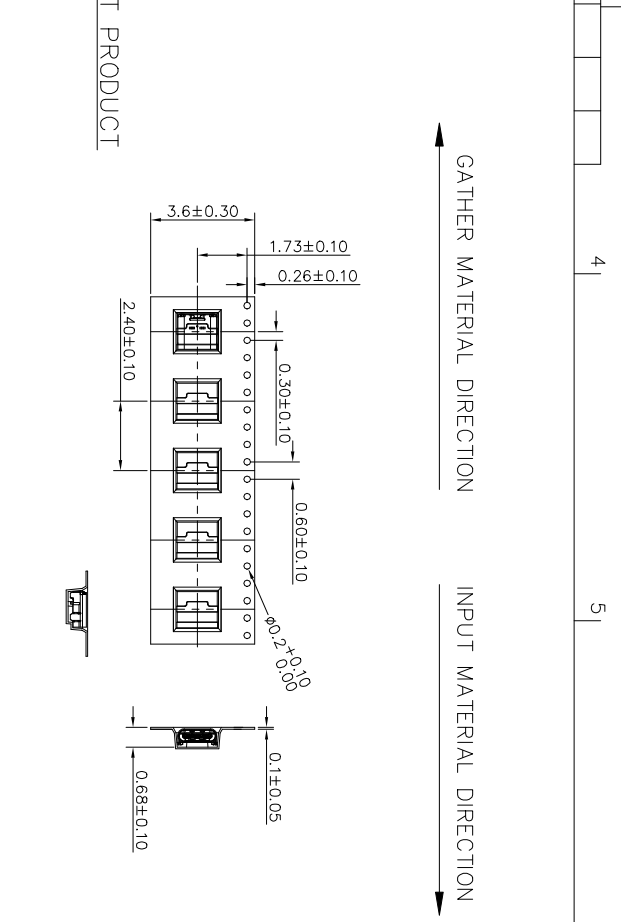
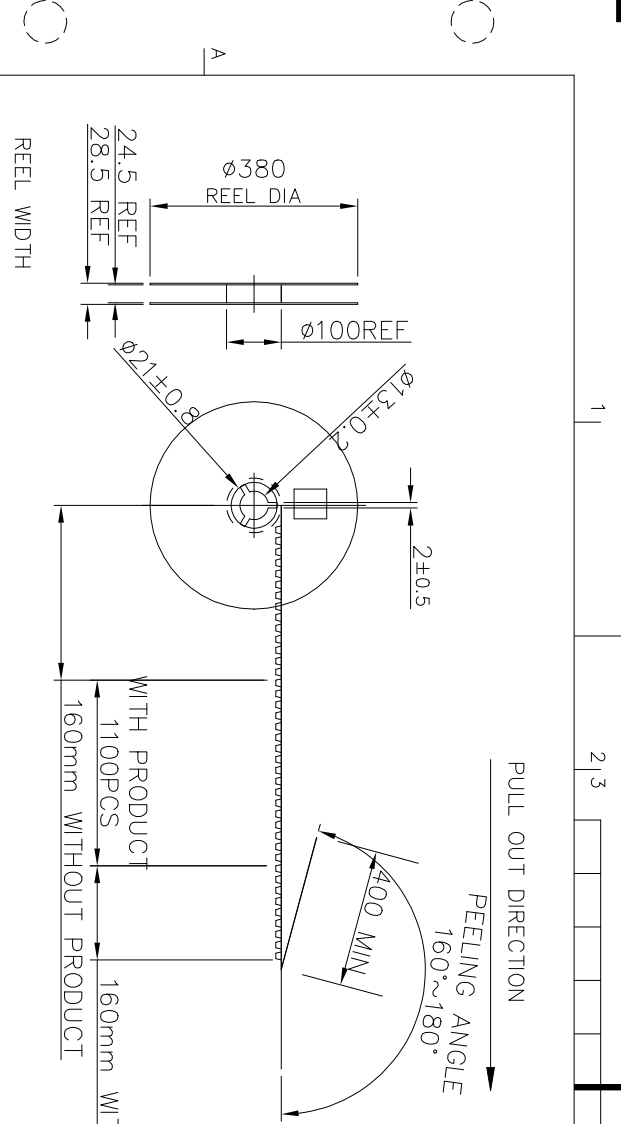
PACKAGING
1. TAPE AND REEL



RECOMMENDED PCB LAYOUT

- 1. TOP VIEW, PCB TOLERANCE: ±0.05
- 2. Hatched area CLEAR OF COMPONENTS, VIAS AND ROUTING.

mat'l. code				surface ISO 1302 ✓	tolerance ISO 406 ISO 1101	projection 1101	product family HPL 511
ltr	ecn no	dr	date	tolerances unless otherwise specified		mm	title USB 3.1 GEN2 Type C RECEPT. R/A SMT AND DIP TAILS
D				angles linear	±0.3	mm	scale 1:1
				0°±3'			
		dr	KENNY TAI	2015-09-21			dwg no
		engr	Yuan-Yuan Bao	2021-03-02			sheet2 of 3
		chr	Li-Qing Lei	2021-03-02			size 10137065
		appd	Tim Yao	2021-03-02			A3
sheet index	revision sheet						type Product Customer Drawing



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	10137065-00XXXXL
PCS/ REEL	REEL/ BOX	PCS/ BOX	PART NUMBER

mat'l. code surface tolerance projection title
 ISO 1302 ISO 406 ISO 1101
 tolerances unless otherwise specified
 angles linear ±0.3 mm
 0±.3 scale 1:1

product family HPL 511
 title USB 3.1 GEN2 Type C RECEPT.
 R/A SMT AND DIP TAILS

sheet revision sheet index
 dr KENNY TAI 2015-09-21
 engr Yuan-Yuan Bao 2021-03-02
 chr Li-Qing Lei 2021-03-02
 qppd Tim Yoo 2021-03-02

type Product Customer Drawing
 sheet 3 of 3 size A3