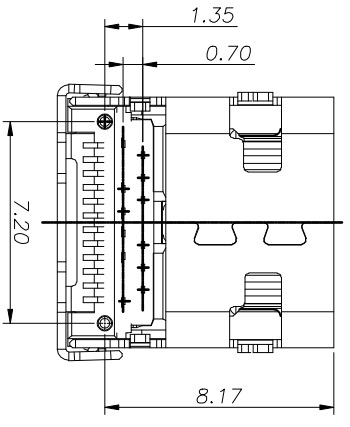
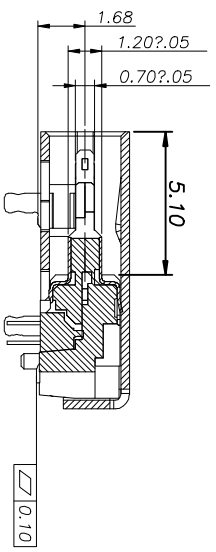
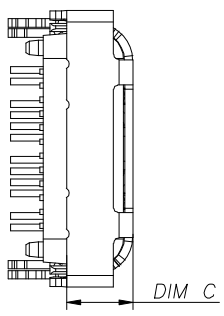
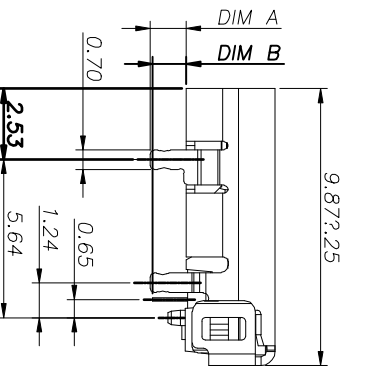
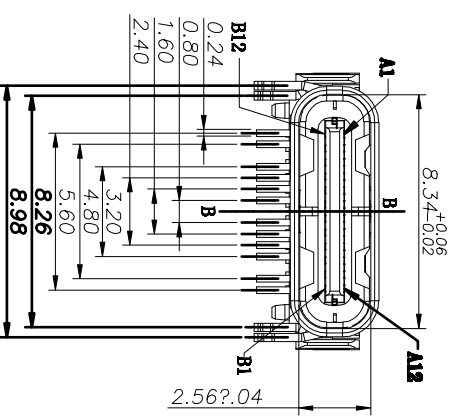
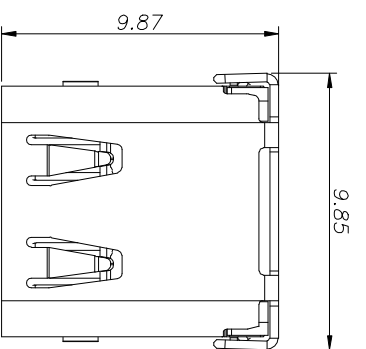
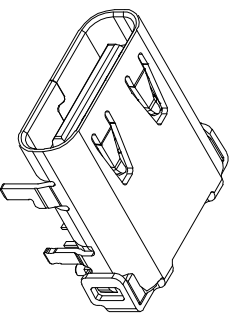


REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
02	ECN NO.	ADD THE NEW PART NUMBER	2019.12.17	Dave.Ye
A	ECN NO.	NEW RELEASE	2019.12.26	Dave.Ye



- NOTE:
- 1.MATERIAL SPECIFICATION:
 - 1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
 - 2.CONTACTS: COPPER ALLOY
 - 3.MID PLATE: STAINLESS STEEL
 - 4.FRONT SHELL: STAINLESS STEEL
 - 5.EMI PLATE: STAINLESS STEEL
- 2.PLATING SPECIFICATION:
- 2-1.CONTACTS:
Ni: 50u" MIN. UNDER PLATED OVER ALL.
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
(GOLD PLATING THICKNESS FOLLOW THE P/N)
PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N
 - 2-2.FRONT SHELL:
PLATING SPECIFICATIONS FOLLOW THE P/N
 - 2-3.MID PLATE&EMI PLATE:
CLEAR ONLY
- 3.MECHANICAL PERFORMANCE,
3-1.INSERTION FORCE: 0.5~2.0kgf.
3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
3-3.DURABILITY: 10000 CYCLES.
 - 4.ELECTRICAL PERFORMANCE:
4-1. CURRENT RATING:5.0A
VOLTAGE RATING:5.0V
 - 4-2. LCCR:
VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
SHIELD: 50mΩ/MAX.
LCCR MAX. CHANGE OF ALL PINS: 10mΩ.
 - 4-3.INSULATION RESISTANCE: 100MΩ MIN
 - 4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
 5. ENVIRONMENTAL PERFORMANCE:
OPERATING TEMPERATURE: -25#~+85#I.
 - 6.IR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

TOLERANCE	NAME(INTENDED USE) CUSTOMER DRAWING	DRAWG NO.
X.X ±0.30 X' ±10'	PART NO.	TITLE: USB C F 24PIN DIP+SMT WITH SPRING&POST
.XX ±0.20 X' ±8'	SEE TABLE1	
XXX ±0.10 XX ±5'	DESIGN: Dave.Ye	
UNITS mm	CHEG:	
MATERILA	APPD:	
FINISH		



DRAWG NO. GAP-ACF005-1R
SCALE SHEET REV. 1:1 1/3 A

6 5 4 3 2 1

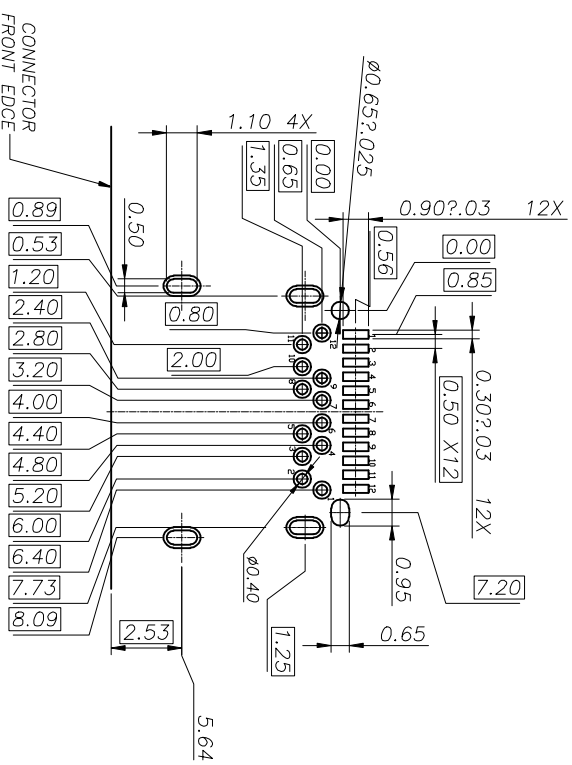
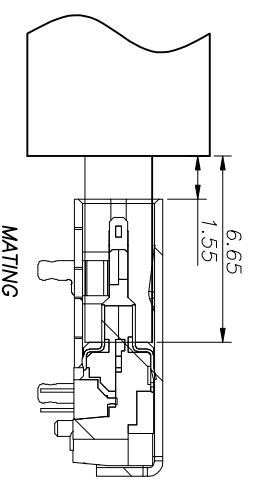
REV. ECN NO.	DESCRIPTION	DATE	DESIGN
02 ECN NO.	ADD THE NEW PART NUMBER	2019.12.17	Dave.Ye
A ECN NO.	NEW RELEASE	2019.12.26	Dave.Ye

TABLE 1

ITEM	P/N	DIM"A"	DIM"B"	DIM"C"	HOUSING CLOER	MATING AREA	PLATING	SOLDER AREA
1	ACF005-1A1H1A103-0HR	1.30	1.20	1.96		BALCK	Au:3u"	Au:G/F
2	ACF005-1A1H1A103-1HR	1.55	1.45	2.36		BALCK	Au:3u"	Au:G/F
3	ACF005-1A1H1A115-0HR	1.30	1.20	1.96		BALCK	Au:15u"	Au:G/F
4	ACF005-1A5H1A103-0HR	1.30	1.20	1.96		NATURAL	Au:3u"	Au:G/F
5	ACF005-1A1H1A130-0HR	1.30	1.20	1.96		NATURAL	Au:3u"	Au:G/F
6	ACF005-1A1H1A130-1HR	1.55	1.45	2.36		BALCK	Au:30u"	Au:G/F
7	ACF005-1A1H1A130-2HR	0.90	0.80	2.36		BALCK	Au:30u"	Au:G/F

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	TX1+	B11	TX1+
A3	TX1-	B10	TX1-
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	RX2-	B3	TX2-
A11	RX2+	B2	TX2+
A12	GND	B1	GND



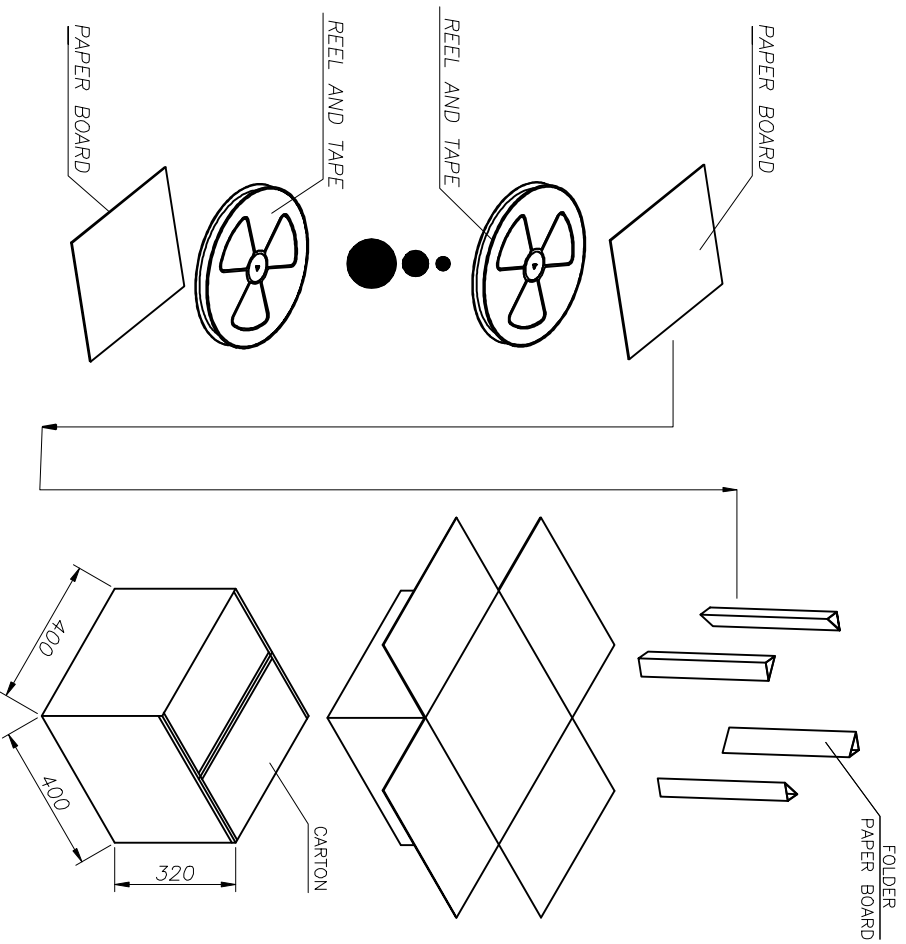
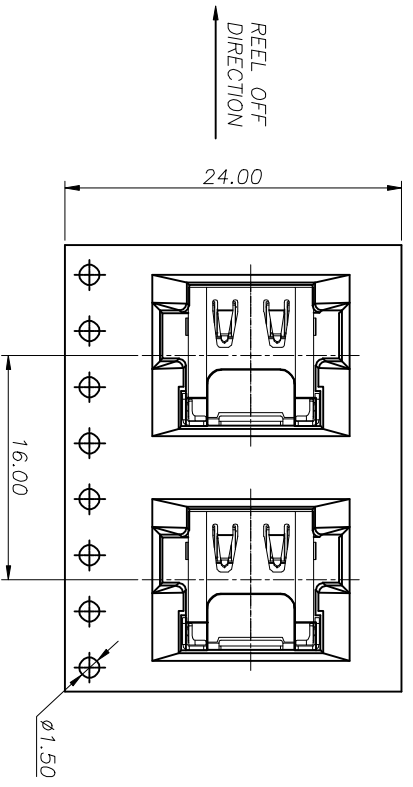
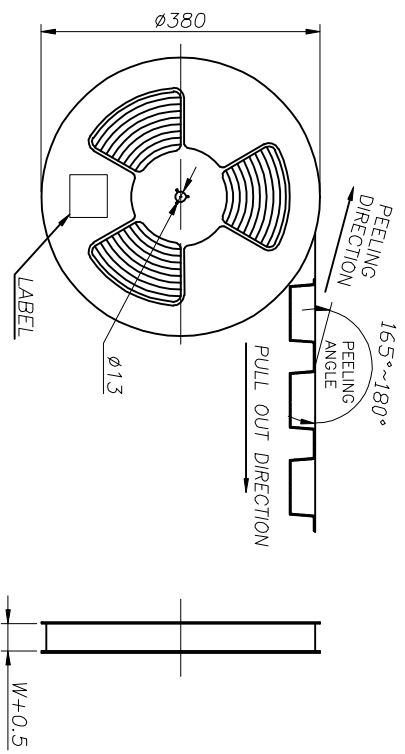
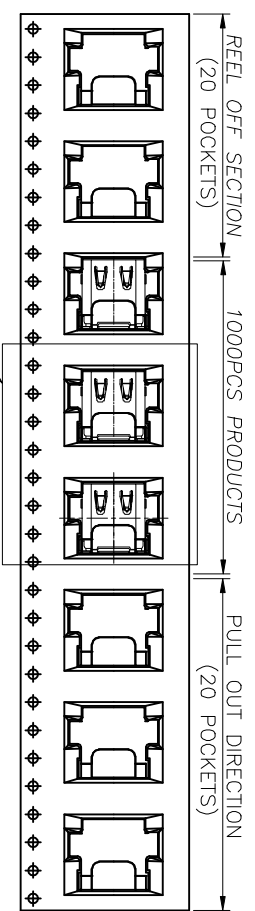
RECOMMENDED P.C.B. LAYOUT (T=1.00mm)
TOLERANCE UNSPECIFIED ±0.05mm

TOLERANCE	NAME (INTENDED USE)	
X.X ±0.30 X.X' ±10'	CUSTOMER DRAWING	
.XX ±0.20 X.X' ±8'	PART NO.	TITLE: USB C F 24PIN DIP+SMT WITH SPRING&POST
XXX ±0.10 .XX' ±5'	DESIGN: Dave.Ye	DRAWG NO. GAP-ACF005-1R
UNITS mm	CHED:	SCALE SHEET REV.
MATERILA	APPD:	1:1 2/3 A
FINISH		



6 5 4 3 2 1

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CONNECTOR (PCS)	REEL/TRAY	CARTON
1000		10000

TOLERANCE	NAME (INTENDED USE)	TITLE: USB C F 24PIN DIP+SMT WITH SPRING&POST
X.X ±0.30 X.' ±10'	PART NO.	
.XX ±0.20 X.' ±8'	SEE TABLE 1	
XXX ±0.10 .XX' ±5'	DESIGN: Dave.Ye	
UNITS mm	CHED:	DRAWG NO. GAP-ACF005-1R
MATERILA	APPD:	SCALE SHEET REV.
FINISH		1:1 3/3 A

