

REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
A	---	THE OFFICIAL RELEASE	2018.04.23	Hank Pei
B	---	UPDATE THE DRAWING	2019.05.25	Hank Pei

NOTE:

1.MATERIAL SPECIFICATION:

- 1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,U194 V-0.
- 2.CONTACTS:COPPER ALLOY
- 3.MID PLATE: STAINLESS STEEL
- 4.FRONT SHELL: 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:
Ni 30u" MIN. UNDER PLATED OVER ALL.
- 2-3.SHIELD 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,

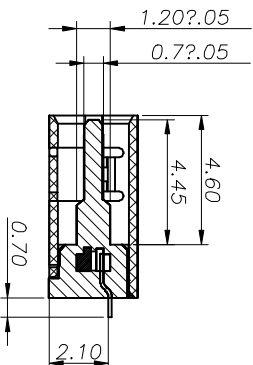
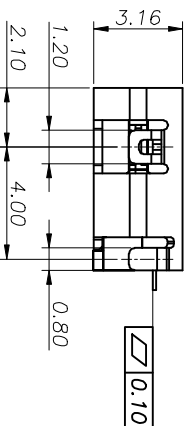
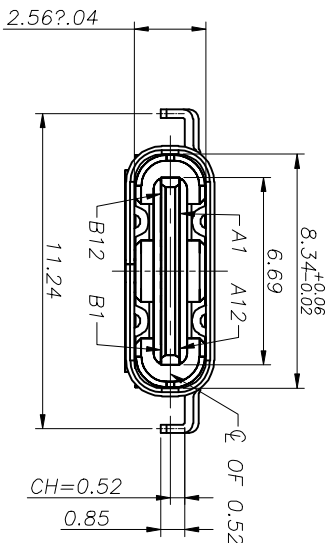
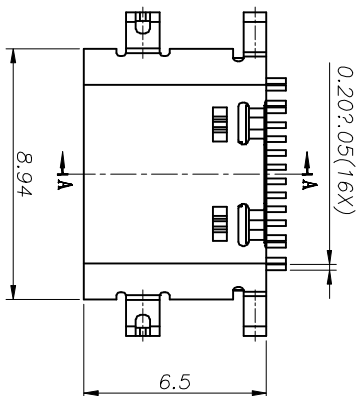
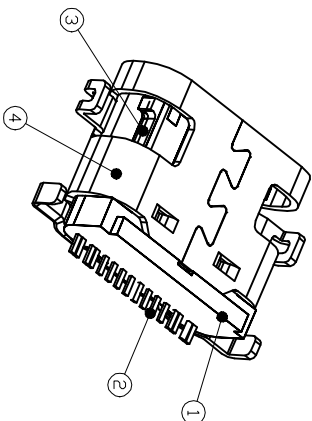
- 4-1. CURRENT RATING:3.0A
- 4-2. VOLTAGE RATING:5.0V

- 4-2. VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
SHIELD: 50mΩ/MAX.
LCR MAX. CHANGE OF ALL PINS: 10mΩ.

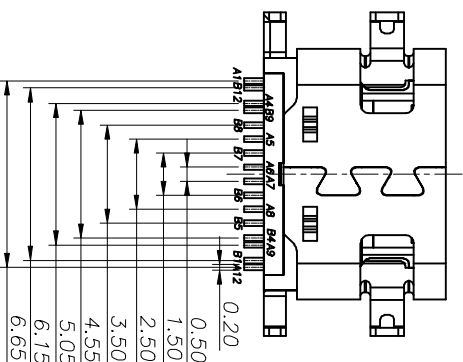
- 4-3.INSULATION RESISTANCE: 100MΩ MIN
- 4-4.DIELECTRIC WITHSTAND VOLTAGE:AC 100V FOR 1 MINUTE.

5. ENVIRONMENTAL PERFORMANCE:

- 6.OPERATING TEMPERATURE: -25~+85℃.
- 6.IR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260°C.

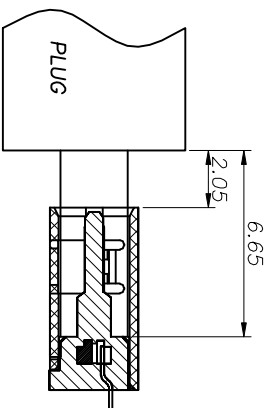


SECTION:A-A



TOLERANCE	NAME(INTENDED USE) CUSTOMER DRAWING	Goldconn	
X.X ±0.30 .XX ±0.20 XXX ±0.10 UNITS MATERILA FINISH	X.X' ±10' .X' ± 8' .XX' ± 5' mm CHED: APPD:	PART NO. SEE TABLE1 DESIGN: Hank Pei	TITLE: USB CF 16PIN (L=6.5) MID MOUNT 2.1MM DRAWG NO. GAP-ACF002-4R
		SCALE 1:1	SHEET 1/3
		REV. B	

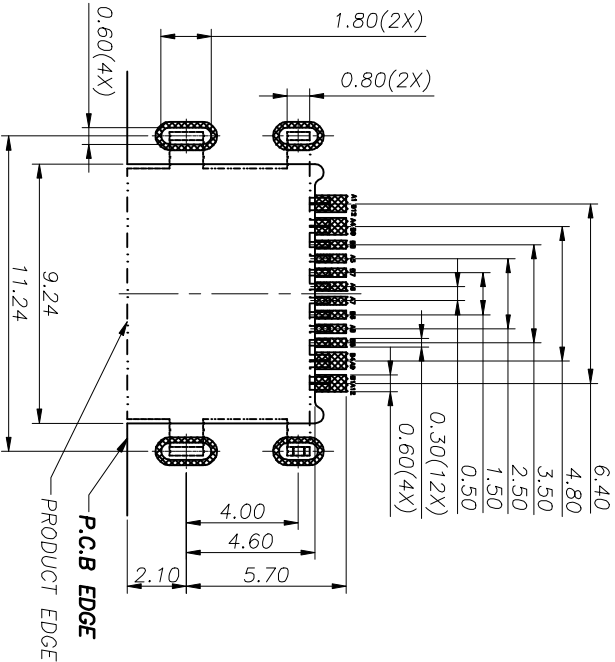
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AFTER MATING

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND



RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05

TABLE 1

ITEM	P/N	HOUSING COLOR	FUNCTIONAL AREA	SOLDER AREA
1	ACF002-4A1H1A103-OHR	BLACK	Au:3u"	Au G/F

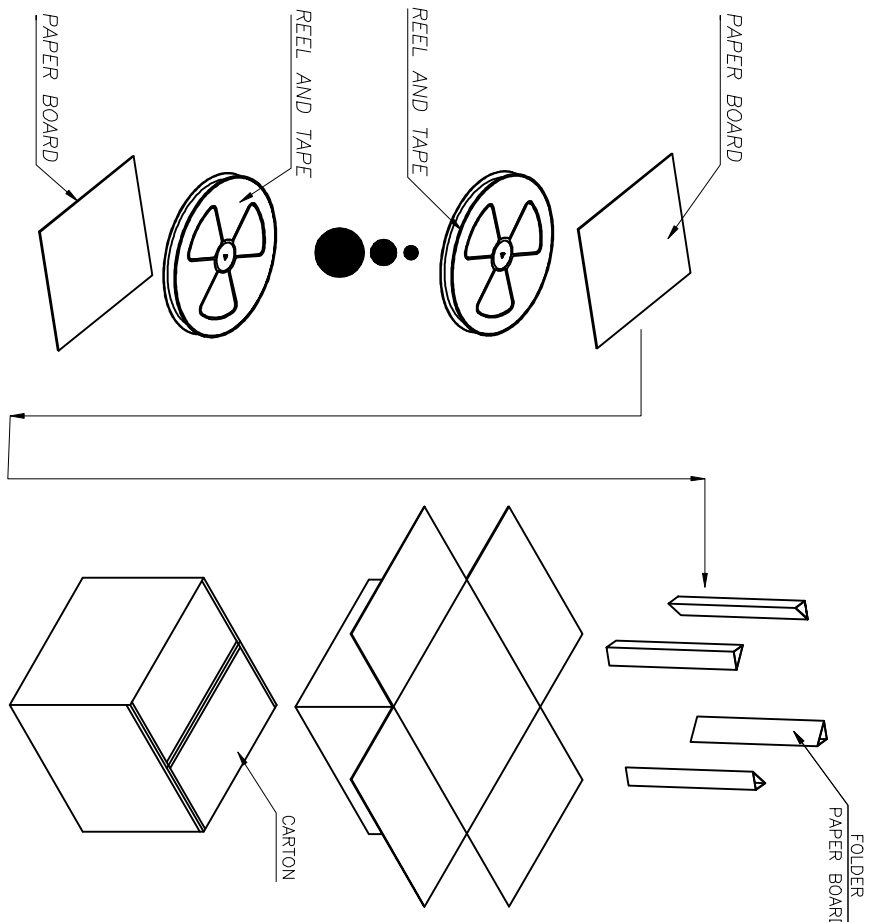
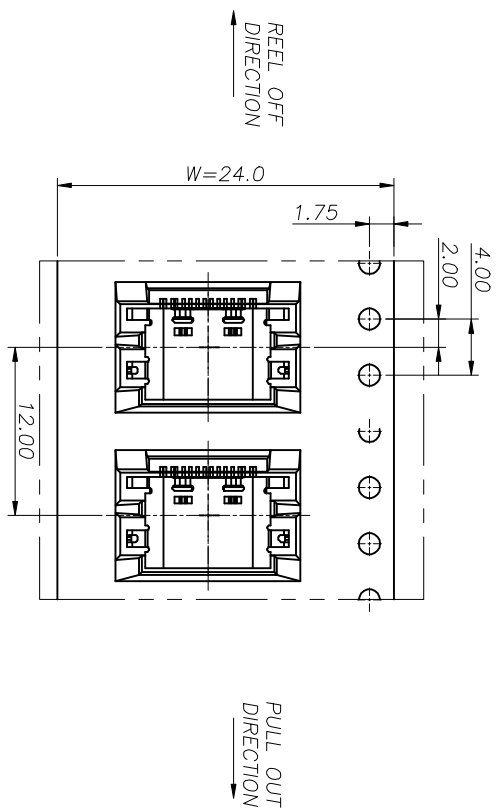
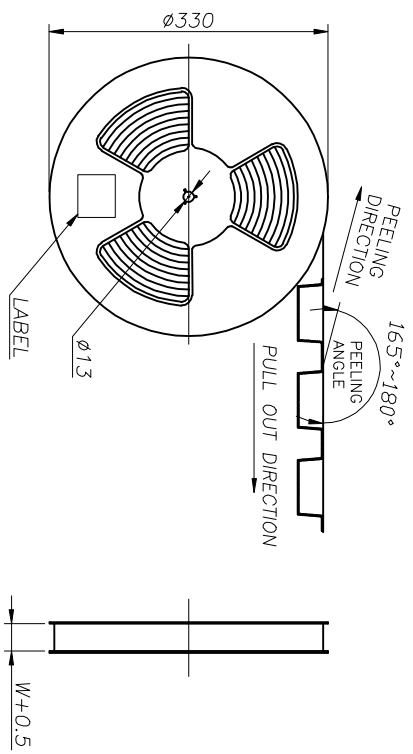
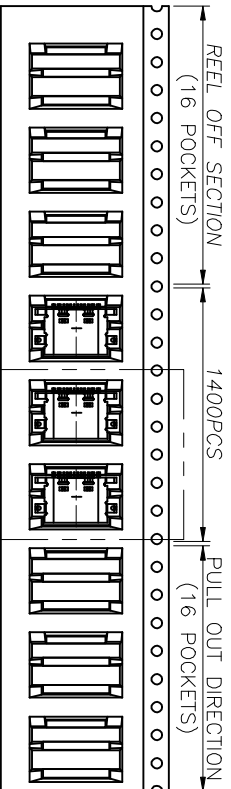
TOLERANCE		NAME(INTENDED USE) CUSTOMER DRAWING	DRAWG NO.	
X.X	±0.30	X.X	±10'	PART NO.
.XX	±0.20	.X'	± 8'	SEE TABLE1
.XXX	±0.10	.XX'	± 5'	DESIGN: Hank Pei
UNITS	mm			CHED:
MATERILA	-----			APPD:
FINISH	-----			

Goldconn

TITLE: USB CF 16PIN (L=6.5)
MID MOUNT 2.1MM

SCALE SHEET REV.
1:1 2/3 B

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CONNECTOR (PCS)	REEL	CARTON
1400	1400	14000

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X.X ±0.30 X' ±10'	PART NO.	
.XX ±0.20 .X' ± 8'	SEE TABLE1	
.XXX ±0.10 .XX' ± 5'	DESIGN: Hank Pei	
UNITS mm	CHED:	DRAWG NO. GAP-ACF002-4R
MATERILA	APPD:	SCALE SHEET REV.
FINISH		1:1 3/3 B

Goldconn