

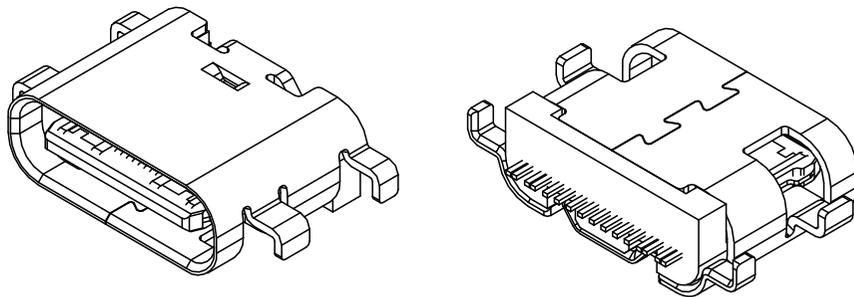
NOTES:

- MATERIAL SPECIFICATION:**
 - HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC, UL94 V-0.
 - CONTACTS: COPPER ALLOY
 - MID PLATE: STAINLESS STEEL
- PLATING SPECIFICATION:**
 - CONTACTS:
 - Ni 50 μ MIN. UNDER PLATED OVER ALL.
 - Au PLATED ON THE FUNCTIONAL AREA OF CONTACT. (GOLD PLATING THICKNESS FOLLOW THE P/N)
 - GOLD FLASH PLATING ON SOLDER AREA
 - FRONT SHELL:
 - Ni 30 μ MIN. UNDER PLATED OVER ALL.
- MECHANICAL PERFORMANCE,**
 - INSERTION FORCE: 0.5~2.0kgf.
 - REMOVAL FORCE: 0.8kgf~2.0kgf.
 - DURABILITY: 10000 CYCLES.
- ELECTRICAL PERFORMANCE,**
 - CURRENT RATING: 5A
VOLTAGE RATING: 20V
 - INSULATION RESISTANCE: 100M Ω MIN
 - DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1 MINUTE.
 - LOW CONTACT RESISTANCE: INITIAL 40m Ω
AFTER 50m Ω
- ENVIRONMENTAL PERFORMANCE:**
OPERATING TEMPERATURE: -30°C~+80°C.
- IR REFLOW:**
THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.
- Dimensions with \varnothing are IA Dimensions which should be measured and meet the spec during initial approval. Dimensions with \varnothing & * are MA Dimensions which should be measured and meet the spec all the time.

REV.	REVISION RECORD	DATE	GENERAL TOLERANCES	SCALE	NAME	DATE	PART NO.	DWG NO.
A0	NEW RELEASE	2020.11.8	LINER	1:1	SKY	2022.8.4	UCB12-16BB01ANL-HI	ENDE05
A1	Add 11.24 dimension tolerance +/-0.15	2021.3.22	0.0±0.35	APPROVED	GSQ	2022.8.4		
A2	Add IA/MA dimension tolerance	2022.8.4	0.00±0.25	DESIGNER	GSQ	2021.3.22	TITLE	USB TYPE C 16PIN,L-6.50mm SINK PLATE 1.60mm
			0.000±0.15	DRAWN	GSQ			

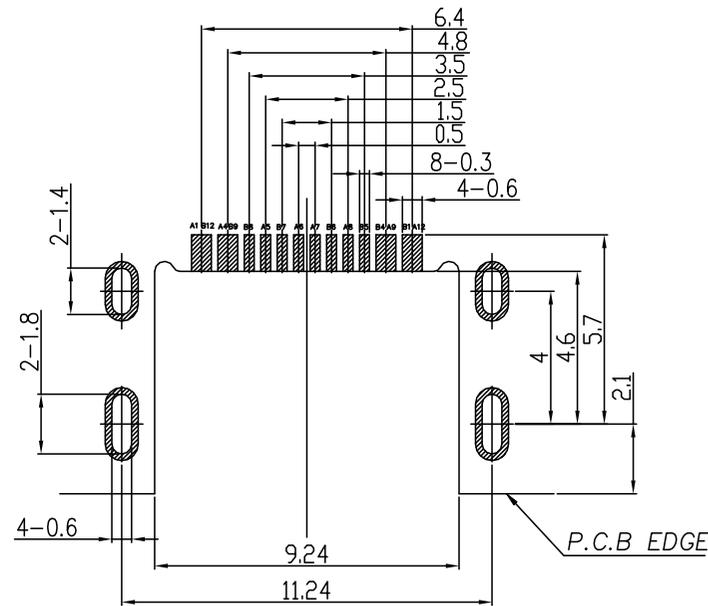


HF



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



RECOMMEND P.C.B LAYOUT (COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ± 0.05

UCB12-16BBO X A N L-H1

PIN NUMBER:
16PIN

CONTACT:

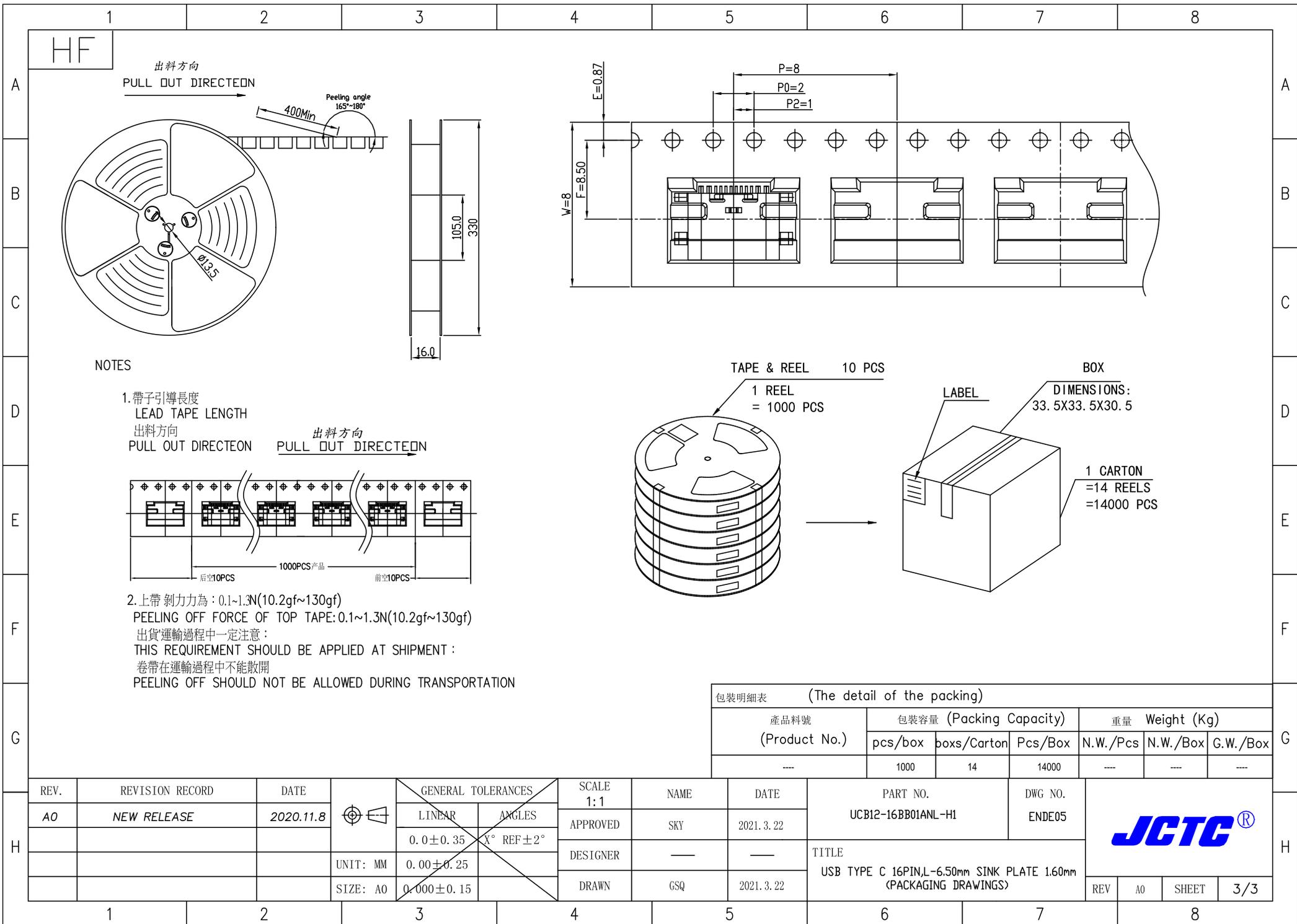
- 1: G/F CONTACT AREA
- 2: 3u" CONTACT AREA
- 4: 10u" CONTACT AREA
- 5: 15u" CONTACT AREA
- 6: 20u" CONTACT AREA
- 7: 30u" CONTACT AREA

H: HF

PACK:
L: TAPE REEL
B: TRAY
G: TUBE
P: BAG

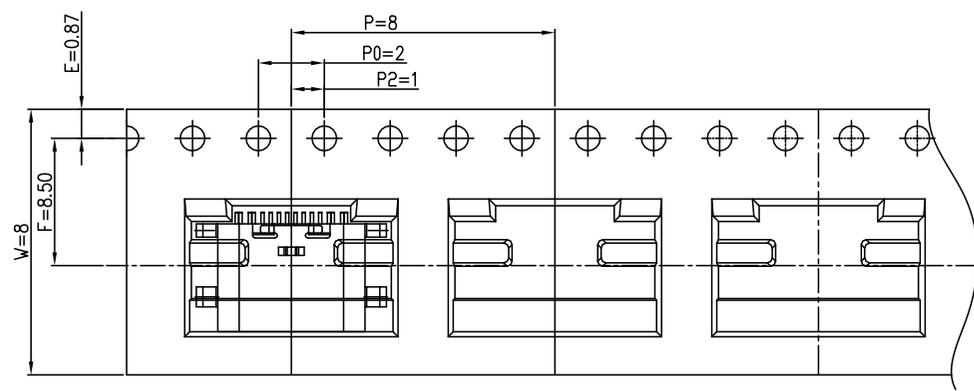
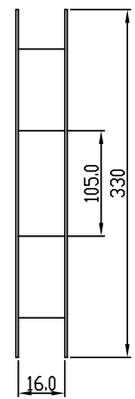
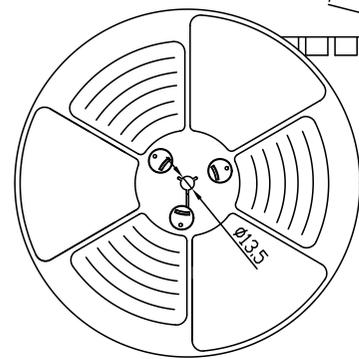
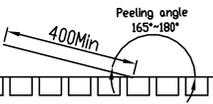
COLOR:
A: Black

REV.	REVISION RECORD	DATE	UNIT: MM	GENERAL TOLERANCES		SCALE	NAME	DATE	PART NO.	DWG NO.	
A0	NEW RELEASE	2020.11.8		LINEAR	ANGLES	1:1					
A1	Add 11.24 dimension tolerance +/-0.15	2021.3.22	0.0 ± 0.35	X° REF ± 2°	APPROVED	SKY	2022.8.4	UCB12-16BB01ANL-H1	ENDE05	TITLE USB TYPE C 16PIN,L-6,50mm SINK PLATE 1.60mm	
A2	Add 1A/MA dimension tolerance	2022.8.4	0.00 ± 0.25		DESIGNER	GSQ	2022.8.4				
			SIZE: A2	0.000 ± 0.15		DRAWN	GSQ	2021.3.22			REV A2 SHEET 2/3



HF

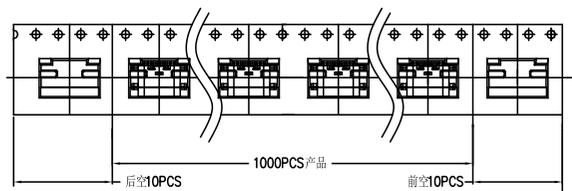
出料方向
PULL OUT DIRECTEON



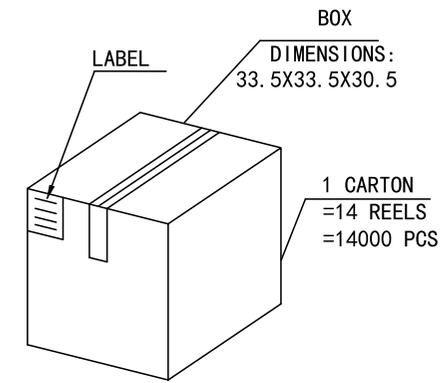
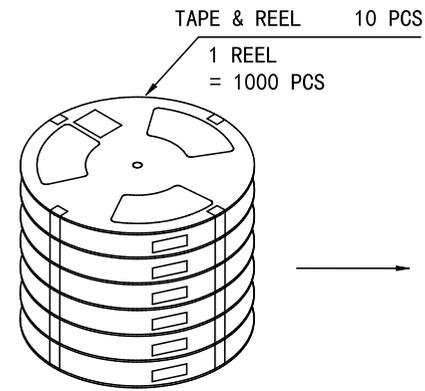
NOTES

1. 帶子引導長度
LEAD TAPE LENGTH
出料方向
PULL OUT DIRECTEON

出料方向
PULL OUT DIRECTEON



2. 上帶剝力力為：0.1~1.3N(10.2gf~130gf)
PEELING OFF FORCE OF TOP TAPE: 0.1~1.3N(10.2gf~130gf)
出貨運輸過程中一定注意：
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT：
卷帶在運輸過程中不能散開
PEELING OFF SHOULD NOT BE ALLOWED DURING TRANSPORTATION



包裝明細表 (The detail of the packing)						
產品料號 (Product No.)	包裝容量 (Packing Capacity)			重量 Weight (Kg)		
	pcs/box	boxs/Carton	Pcs/Box	N.W./Pcs	N.W./Box	G.W./Box
---	1000	14	14000	---	---	---

REV.	REVISION RECORD	DATE	UNIT: MM	GENERAL TOLERANCES		SCALE 1:1	NAME	DATE	PART NO.	DWG NO.							
AO	NEW RELEASE	2020.11.8		LINEAR	ANGLES	APPROVED	SKY	2021. 3. 22	UCB12-16BB01ANL-HI	ENDE05							
			0.0±0.35	X° REF±2°	DESIGNER	---	---	TITLE	USB TYPE C 16PIN,L-6.50mm SINK PLATE 1.60mm (PACKAGING DRAWINGS)					REV	AO	SHEET	3/3
			0.00±0.25		DRAWN	GSQ	2021. 3. 22										