

MATERIAL:

- 1.HOUSING: LCP, GLASS FIBER FILLED, BK
- 2.CONTACT: PHOSPHOR BRONZE (T=0.12mm)
- 3.GUARD PLATE:STAINLESS STEEL (T=0.10mm)
- 4.SHIELD: STAINLESS STEEL (T=0.30mm)

FINISH:

- CONTACT: GOLD PLATING ON CONTACT AREA
MATTE TIN PLATING ON SOLDER TAILS,
NICKEL UNDERPLATING OVER ALL
- SHELL: NICKEL PLATING

Ordering Code:

CU18 24 S * M 1 M D * R 1 -LF -HC
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬

① Series No.

② No of Circuits:

③ S= Socket

④ Plating option:

A= 1u" gold plated on Contact area,
Matte Tin plated on Solder tails,
Nickel underplating over all

B= 15u" gold plated on Contact area,
Matte Tin plated on Solder tails,
Nickel underplating over all

C= 30u" gold plated on Contact area,
Matte Tin plated on Solder tails,
Nickel underplating over all

⑤ Contact tail style:
M= Middle mount Right angle

⑥ Insulator Color: 1= Black

⑦ Contact Solder Style: M= SMT Type

⑧ Shell Solder Style: D= DIP Type

⑨ Transmission speeds:

0= For Gen1(Gold 15u")

1= For Gen2(Gold 30u")

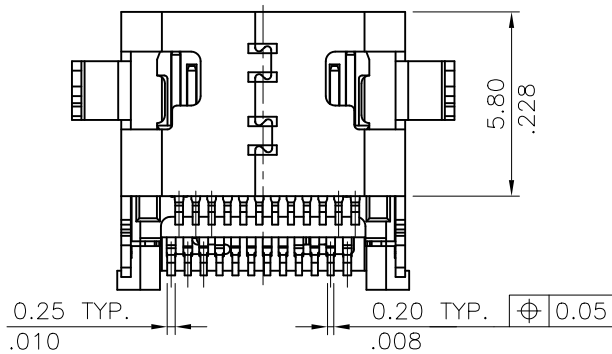
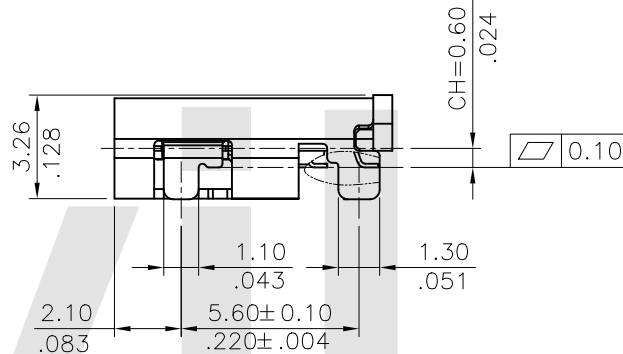
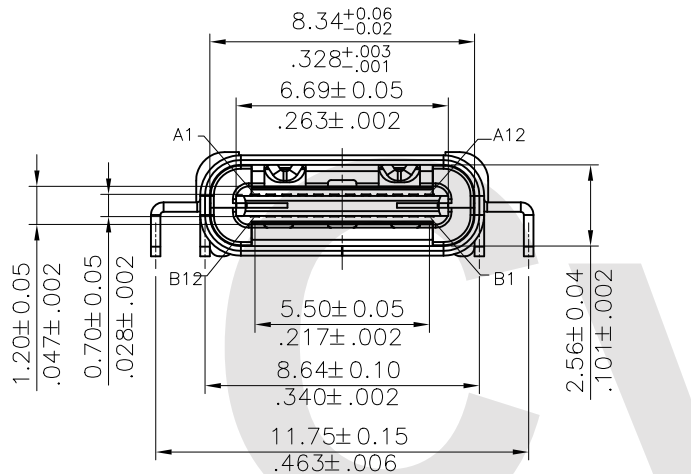
2= For USB 2.0(Gold 1u")

⑩ Packing Option: R= Reel Packing

⑪ Option: 1= MID Type 1

⑫ -LF= For Lead Free IR Reflow Process

⑬ -HC= For High Current




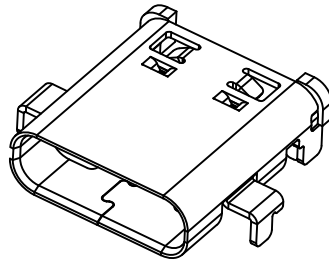
Lead Free Process

RoHS compliant

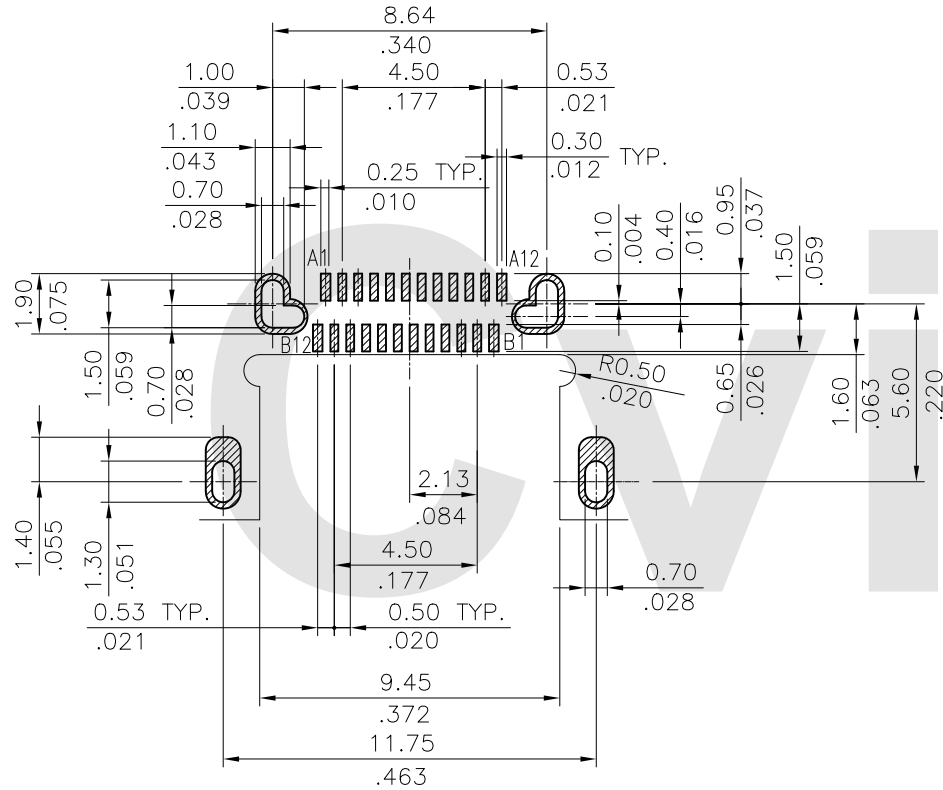
CIVILUX CORP
2017.06.15
ISSUED

④					DATE	UNIT: mm / inch	TITLE: U.S.B TYPE C SOCKET SMT Middle mount Right angle
③				DRAWN BY: Yan	5/15-17'	TOLERANCE UNLESS OTHERWISE SPECIFIED	MATERIAL: FINISH:
②				ENGINEER: Yan	5/15-17'	.X ± 0.25/.010 X' ± 4'	
①				CHECKED BY: Andy	5/15-17'	.XX ± 0.20/.008 X' ± 2'	
SYM	NAME	DATE	REVISIONS	APPROVED BY: Andy	5/15-17'	.XXX ± 0.10/.004 .XX' ±	

 瀚荃股份有限公司 CviLux Corporation			
DRAWING NO.	CU1829SA	PART NO.	CU1824S*M1MD*R1-LF-HC
SCALE	4 / 1	SHEET	1 OF 3



USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS



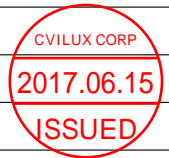
RECOMMENDED P.C.B. LAYOUT (T:1.00mm)
TOLERANCE ±0.05mm

PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTXp1	Positive half of first SuperSpeed TX differential pair	B11	SSRXp1	Positive half of first SuperSpeed RX differential pair
A3	SSTXn1	Negative half of first SuperSpeed TX differential pair	B10	SSRXn1	Negative half of first SuperSpeed RX differential pair
A4	Vbus	Bus Power	B9	VBUS	Bus Power
A5	CC1	Configuration Channel	B8	SBU2	Sideband Use(SBU)
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dn2	Negative half of the USB 2.0 differential pair-Position 2
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2
A8	SBU1	Sideband Use(SBU)	B5	CC2	Configuration Channel
A9	VBUS	Bus Power	B4	VBUS	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSTXn2	Negative half of second SuperSpeed TX differential pair
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	B2	SSTXp2	Positive half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return

Lead Free Process

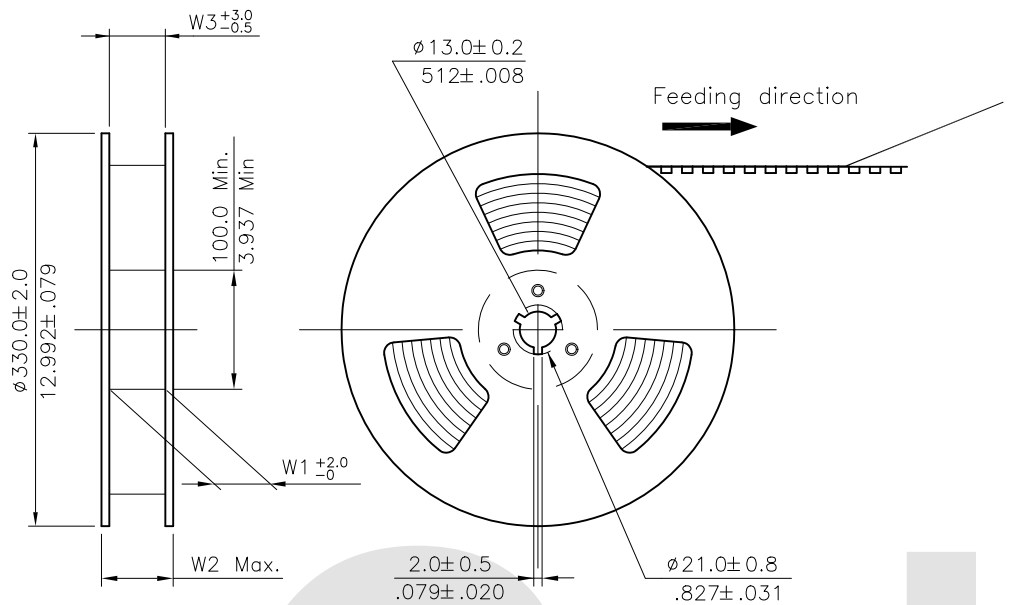
RoHS Compliant

4					DATE	UNIT: mm / inch	TITLE: U.S.B TYPE C SOCKET SMT Middle mount Right angle
3				DRAWN BY: Yan	5/15-17'	TOLERANCE UNLESS OTHERWISE SPECIFIED	MATERIAL:
2				ENGINEER: Yan	5/15-17'		
1				CHECKED BY: Andy	5/15-17'	.XX ± 0.20/008 X' ± 2'	FINISH:
SYM	NAME	DATE	REVISIONS	APPROVED BY: Andy	5/15-17'	.XXX ± 0.10/004 XX' ±	



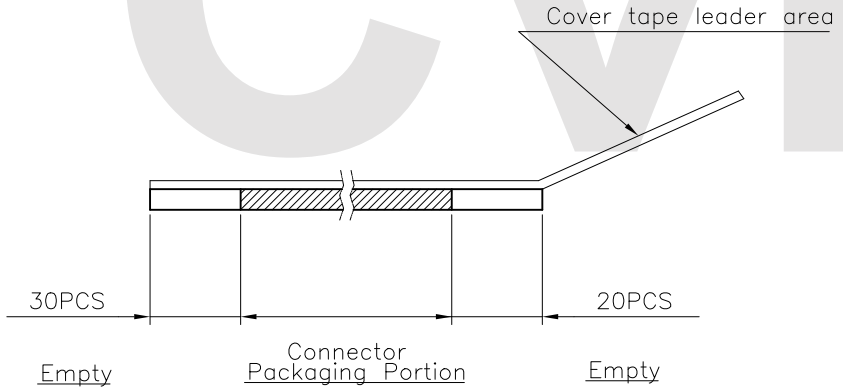
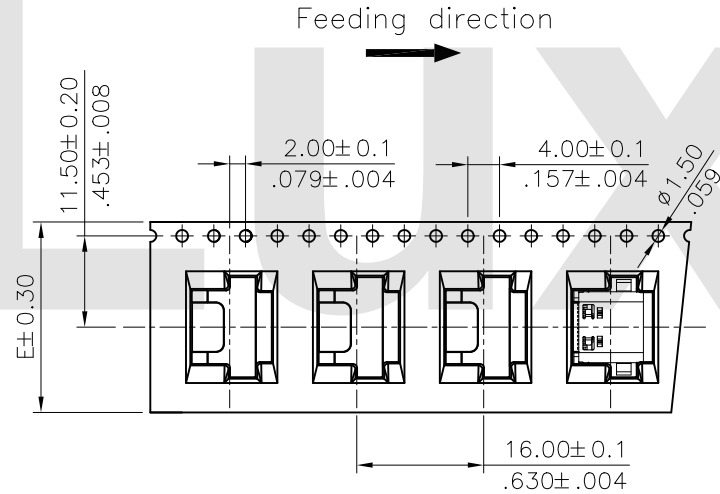
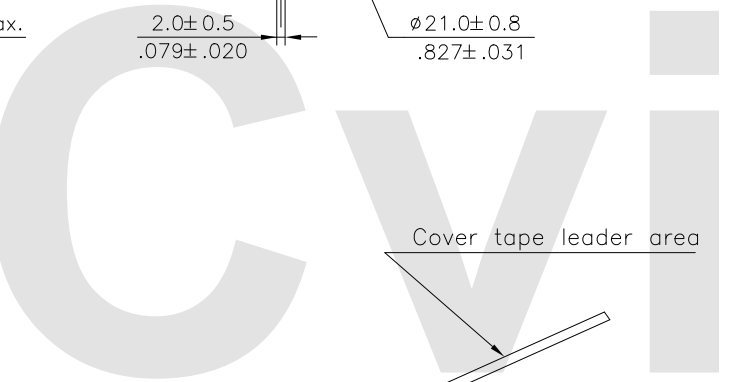
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CviLux Corporation

DRAWING NO.	CU1829SA	PART NO.	CU1824S*1MD*R1-LF-HC
SCALE	2 / 1	SHEET	2 OF 3



- NOTE :
- * Reel Material : HIPS
 - * Carrier Material : Clear, Conductive Polystyrene Alloy
 - * Cover Tape Material : Polyester
 - * Cover Tape Peel Strength : 0.1N – 1.3N
 - * Carrier camber is within 1mm in 250mm
 - * All dimensions meet EIA-481-B requirements.
 - * Quantity : 900 PCS/Reel

Dimension				Packing (Reel/Carton)
E	W1	W2	W3	
24.0(.945)	24.5(.965)	30.5(1.201)	24.5(.965)	8



WIDTH : 24 mm Carrier

RoHS Compliant

4						DATE	UNIT: mm / inch	TITLE: U.S.B TYPE C SOCKET SMT Middle mount Right angle	 瀚荃股份有限公司 CviLux Corporation	
3					DRAWN BY: Yan	5/15-17'	TOLERANCE UNLESS OTHERWISE SPECIFIED			MATERIAL:
2					ENGINEER: Yan	5/15-17'	.X ±	X' ± 1'		
1					CHECKED BY: Andy	5/15-17'	.XX ±	.X ±	FINISH:	
SYM	NAME	DATE	REVISIONS		APPROVED BY: Andy	5/15-17'	.XXX ±	.XX ±	DRAWING NO. CU1829SA	PART NO. CU1824S*M1MD*R1-LF-HC
									SCALE	SHEET 3 OF 3