

RoHS Compliant

NOTE:

1.MATERIAL SPECIFICATION:

- 1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
- 2.CONTACTS:COPPER ALLOY
- 3.MID 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)

GOLD FLASH PLATING ON SOLDER AREA

2-2.FRONT SHELL:

Ni 30u" MIN. UNDER PLATED OVER ALL.

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: 5A

VOLTAGE RATING: 20V

4-2.INSULATION RESISTANCE: 100MΩ MIN

4-3.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

5. ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -30℃~+80℃.

6.IR REFLOW:

THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260℃.

Ordering Information

USB31-C16A-S2B-F

1 2 3 4 5 6 7

1:—Series No.

2:—C:Type C

3:—No.of Positions

4:—A:Gold Flash

M:5u" GOLD PLATING ON CONTACT AREA,

GOLD FLASH PLATING ON SOLDER AREA

P:15u" GOLD PLATING ON CONTACT AREA,

GOLD FLASH PLATING ON SOLDER AREA

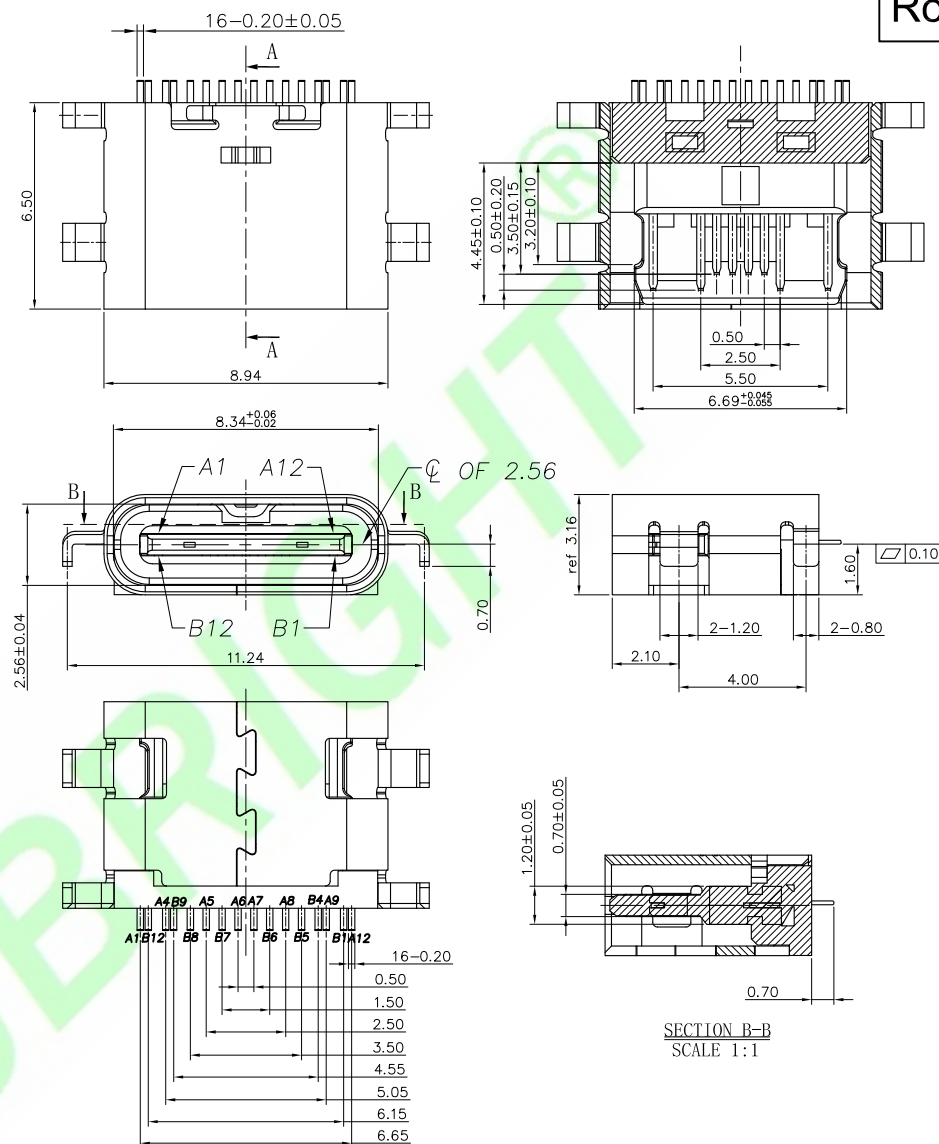
U:30u" GOLD PLATING ON CONTACT AREA,

GOLD FLASH PLATING ON SOLDER AREA

5:—S2:Sunken Type2

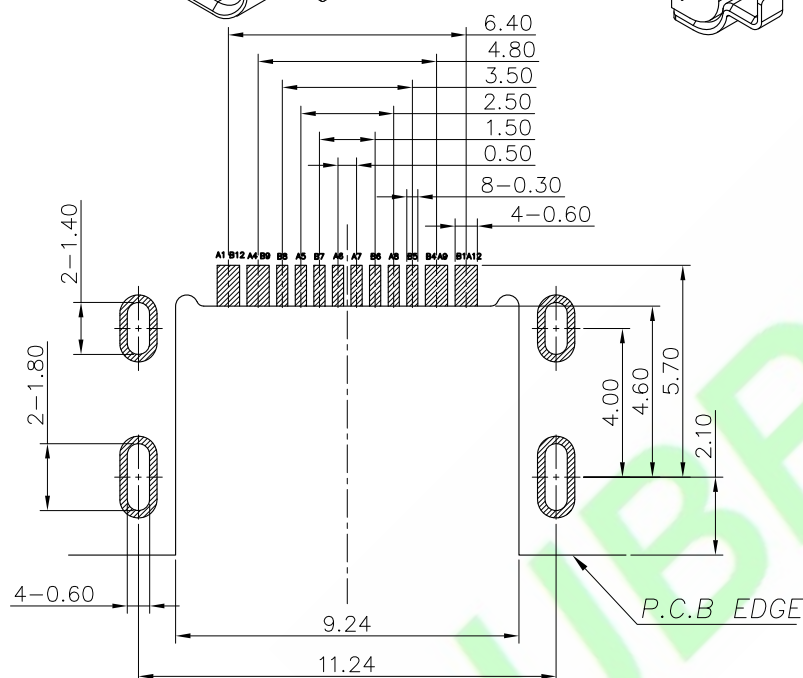
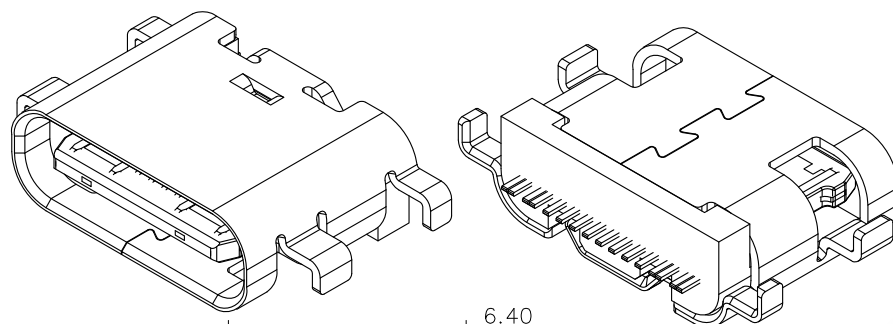
6:—B:Black N:Natural

7:—F:In Tape&Reel



5X				DR.BY:	GENERAL TOLERANCE:	PART NO : USB31-C16A-S2B-F	HJBRIGHT® 东莞市華晶電子有限公司 BRIGHT-E ELECTRONIC TECHNOLOGY LIMITED SHEET: 1/2 SCALE: 1:1 UNIT: mm THIRD ANGLE PROJECTION A4
4X				Sophia	LINEAR	DWG. NO.:	
3X				CHKD.:	ANGLES	TITLE :	
2X				Kenry	x.: ±	x.: ±2.0°	
1X	ORIGINAL	Sophia		APPD.:	x.x: ±0.35	x.x: ±2.0°	
REV.	DESCRIPTION	DR.BY	ECN. NO	Billy	x.xx: ±0.25	x.xx: ±2.0°	USB3.1 TYPE C 16PIN, L=6.50mm沉板1.6mm DATE: 30-Mar-2020
					x.xxx: ±0.15	x.xxx: ±2.0°	

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USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME
A1	GND
A4	VBUS
A5	CC1
A6	Dp1
A7	Dn1
A8	SBU1
A9	VBUS
A12	GND

PIN NUMBER	SIGNAL NAME
B12	GND
B9	VBUS
B8	SBU2
B7	Dn2
B6	Dp2
B5	CC2
B4	VBUS
B1	GND

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

5X				DR.BY:	GENERAL TOLERANCE:	PART NO : USB31-C16A-S2B-F	HJBRIGHT® 東莞市華晶電子有限公司 BRIGHT-E ELECTRONIC TECHNOLOGY LIMITED SHEET: 2/2 SCALE: 1:1 UNIT: mm THIRD ANGLE PROJECTION A4
4X				Sophia	LINEAR	DWG. NO.:	
3X				CHKD.: Kenry	ANGLES	TITLE :	
2X					x.: $\pm$	x.: $\pm 2.0^\circ$	
1X	ORIGINAL	Sophia		APPD.: Billy	x.x: ± 0.35	x.x: $\pm 2.0^\circ$	USB3.1 TYPE C 16PIN, L=6.50mm沉板1.6mm DATE: 30-Mar-2020
REV.	DESCRIPTION	DR.BY	ECN. NO		x.xx: ± 0.25	x.xx: $\pm 2.0^\circ$	
					x.xxx: ± 0.15	x.xxx: $\pm 2.0^\circ$	