

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: 3.0A

VOLTAGE RATING: 5.0V

4-2.INSULATION RESISTANCE: 100MΩ MIN

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

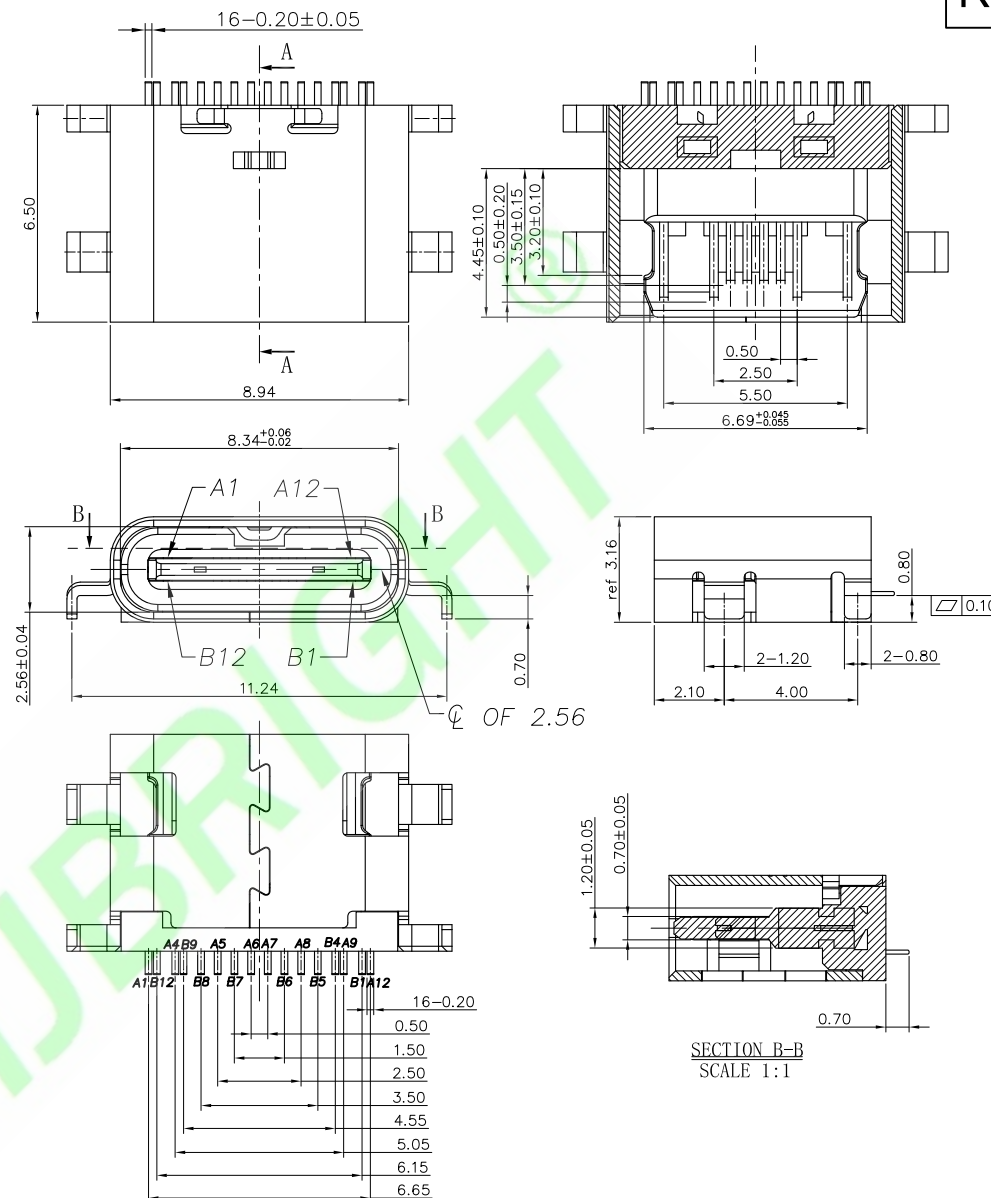
5. ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -30°C~+80°C.

6.IR REFLOW:

THE PEAK TEMPERATURE ON THE BOARD SHALL

BE MAINTAINED FOR 10 SECONDS AT 260°C.



Ordering Information

USB31-C16A-S1B-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:—S1:Sunken Type

6:—B:Black N:Natural

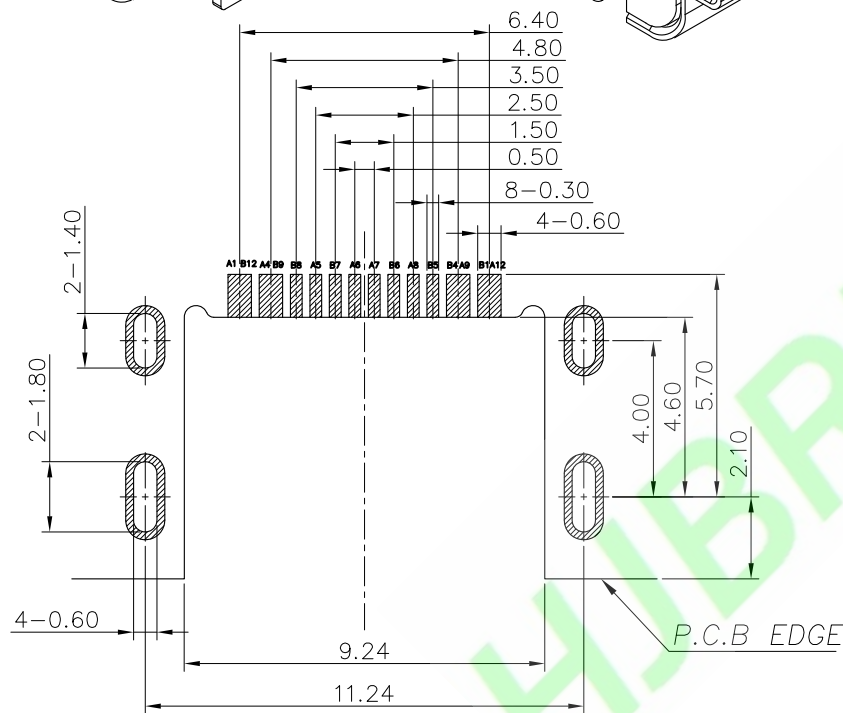
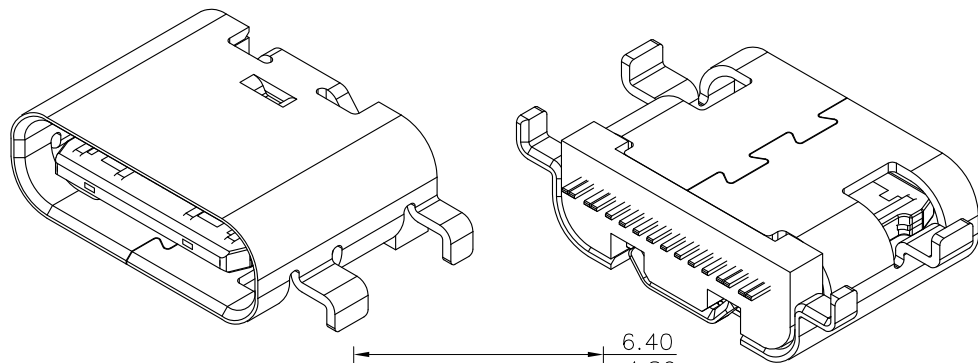
7:—F:In Tape&Reel

5X				DR.BY.: <i>Sophia</i>	GENERAL TOLERANCE:		PART NO : USB31-C16A-B-F		HJBRIGHT® 東莞市華晶電子有限公司 BRIGHT-E ELECTRONIC TECHNOLOGY LIMITED			
4X					LINEAR	ANGLES	DWG. NO.:					
3X				CHKD.: <i>Kenry</i>	x.: ±	x': ±2.0°	TITLE : USB3.1 TYPE C 16PIN, L-6.50mm沉板0.8mm		SHEET: 1/2			A4
2X					x.x: ±0.35	x.x': ±2.0°			SCALE: 1:1			
1X	ORIGINAL	<i>Sophia</i>		APPD.: <i>Billy</i>	x.xx: ±0.25	x.xx': ±2.0°	DATE: 14-Feb-2020		UNIT: mm			
REV.	DESCRIPTION	DR.BY	ECN. NO		x.xxx: ±0.15	x.xxx': ±2.0°						



THIRD ANGLE PROJECTION

A4



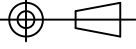
USB TYPE-C PIN ASSIGNMENTS

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.: Sophia	GENERAL TOLERANCE:		PART NO : USB31-C16A-S1B-F	HJBRIGHT® 東莞市華晶電子有限公司 BRIGHT-E ELECTRONIC TECHNOLOGY LIMITED	
4X				CHKD.: Kenry	LINEAR	ANGLES	DWG. NO.:		
3X				APPD.: Billy	X.: $\pm$	X': $\pm 2.0^\circ$	TITLE :	SHEET: 2/2	 A4
2X					X.X: ± 0.35	X.X': $\pm 2.0^\circ$	USB3.1 TYPE C 16PIN, L-6.50mm沉板0.8mm	SCALE: 1:1	
1X	ORIGINAL	Sophia			X.XX: ± 0.25	X.XX': $\pm 2.0^\circ$	DATE: 14-Feb-2020	UNIT: mm	
REV.	DESCRIPTION	DR.BY	ECN. NO		X.XXX: ± 0.15	X.XXX': $\pm 2.0^\circ$			