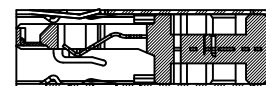
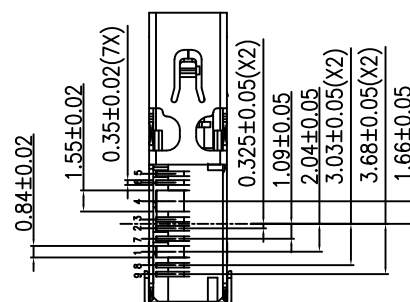
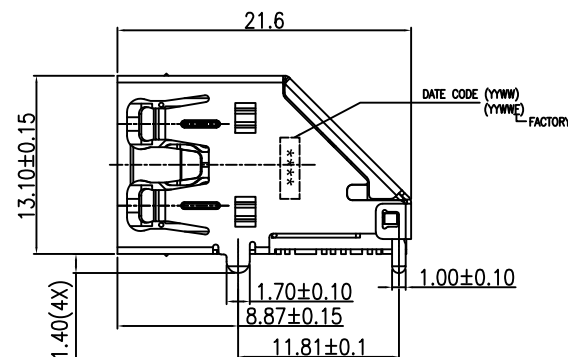
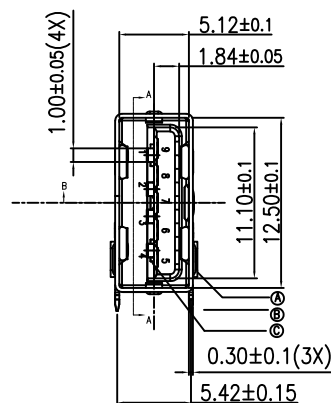
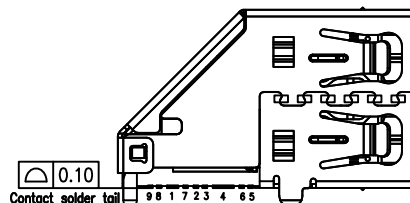


PART NUMBER : JCN-31A1-AWAB-XXR1

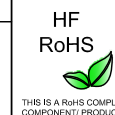
Gold Plating:
G=Gold Flash
A=3u"
B=6u"
C=10u"
D=15u"
E=30u"



Section B-B

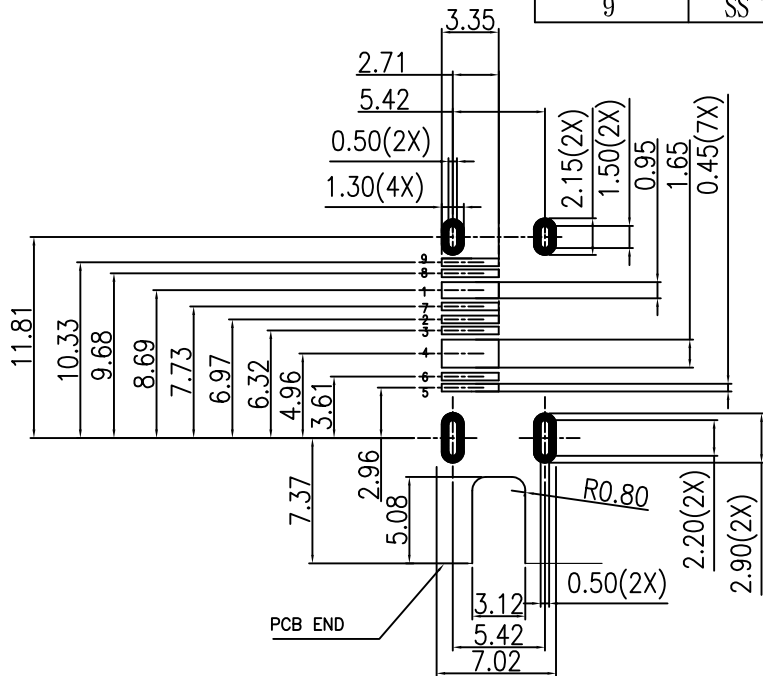
1. ELECTRICAL CHARACTERISTICS :
 - 1-1 CURRENT RATING : 0.9A MAX.
 - 1-2 VOLTAGE RATING : DC 5V MAX.
 - 1-3 DIELECTRIC WITH STANDING :100 V AC
 - 1-4 INSULATION RESISTANCE : 100MΩ
 - 1-5 CONTACT RESISTANCE :
INITIAL 30 MILLIOHMS MAX FOR VBUS AND GND CONTACT,
INITIAL 50 MILLIOHMS MAX FOR ALL OTHER CONTACT,
AFTER DURABILITY 10 MILLIOHMS MAX CHANGE.
2. MECHANICAL CHARACTERISTICS :
 - 2-1 INSERTION FORCE : 3.57 Kgf MAX
 - 2-2 WITHDRAWAL FORCE :1.02 Kgf MIN INITIAL , 0.82 Kgf MIN AFTER DURABILITY.
 - 2-3 DURABILITY : 5000 CYCLES
3. ENVIRONMENTAL :
 - 3-1 OPERATING TEMPERATURE : -40°C TO +85°C
4. RECOMMENDED PROCESS: IR REFLOW PEAK TEMPERATURE 260°C
5. THE CONNECTOR IS ROHS COMPLIANT AND HALOGEN FREE.
6. WHEN PLUG IS INSERTED INTO CONNECTOR IN WORSE CONDITION,
SPRING TIP TOUCH PCB. SO INHIBIT CIRCUIT IN SPRING TIP AREA.

CHECKED		UNLESS OTHERWISE SPECIFIED TOLERANCE		NAME		USB3.1 GEN2 A Row SMT, 側立式, Dip Shell, Receptacle (插口兼翻插)	
Steve				SCALE	UNIT	Material/Plated/Notes	PART NO. & DOC NO.
APPROVED		Dimension Range Tolerance		NA	mm	① SHIELD : STAINLESS STEEL/NICKEL PLATING ② HOUSING : HIGH TEMPERATURE PLASTIC ③ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL/LEAD FREE TIN ALLOY AT TERMINATION.	
Marvin							
REV.		X.X	±0.35	SIZE	SHEET	JCN-31A1-AWAB-XXR1	
A		X.XX	±0.25	A4	1/3		
		X.XXX	±0.15				
		ANGLE	+5°				



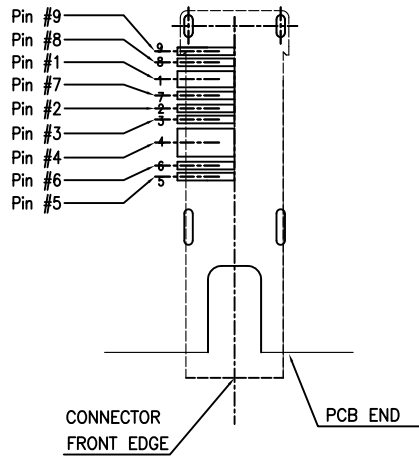
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TECHNOLOGY
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PIN ASSIGNMENT		
Pin Number	Signal Name	Description
1	VBUS	POWER
2	D-	USB2.0 differential pair
3	D+	
4	GND	Ground for Power Return
5	SS RX-	Superspeed receiver differential pair
6	SS RX+	
7	GND DRAIN	Ground for Power Return
8	SS TX-	Superspeed transmitter differential pair
9	SS TX+	

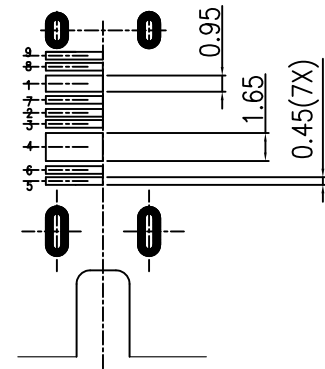


PCB Foot Printer Dimension
TOP VIEW Tolerance:±0.01mm

■ SOLDER AREA



Connector Pin Define Sequence



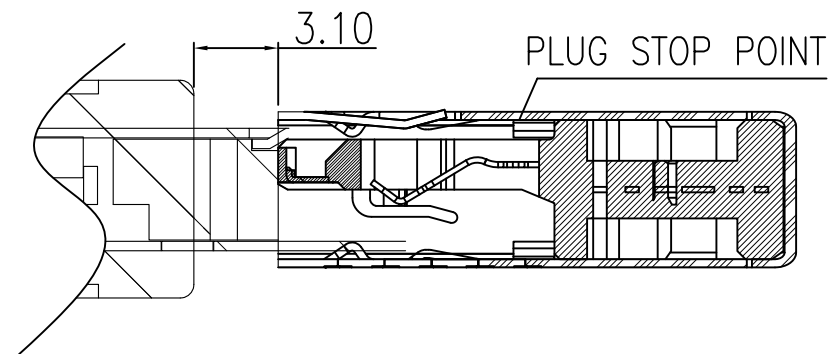
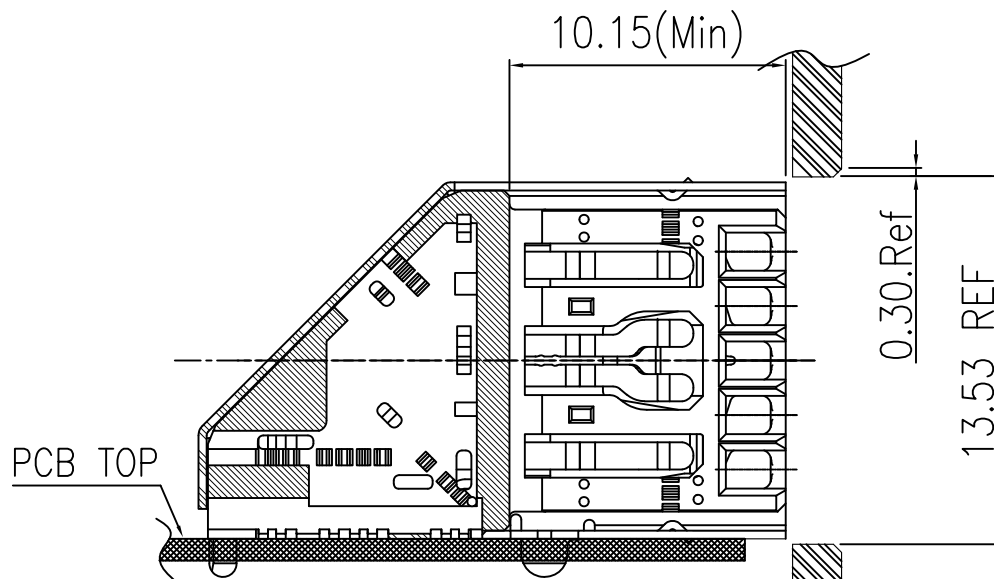
SMT Stencil Aperture Dimension
TOP VIEW Tolerance:±0.01mm

CHECKED Steve		NAME USB3.1 GEN2 A, Row SMT, 側立式, Dip Shell, Receptacle (插口無翻邊)		PART NO. & DOC NO. JCN-31A1-AWAB-XXR1	
APPROVED Marvin		SCALE NA	UNIT mm	Material/Plated/Notes ① SHIELD : STAINLESS STEEL/NICKEL PLATING ② HOUSING : HIGH TEMPURTE PLASTIC ③ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL, LEAD FREE TIN ALLOY AT TERMINATION.	
REV. A		Dimension Range	Tolerance		
		X.X	±0.35		
		X.XX	±0.25		
		X.XXX	±0.15		
		ANGLE	±5°		
		SIZE A4	SHEET 2/3		

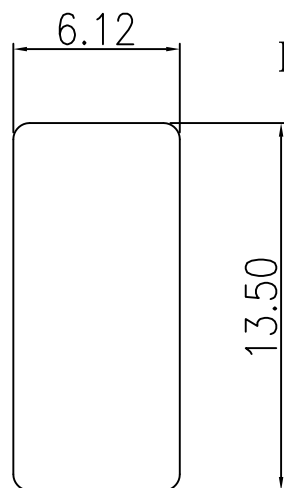
HF
RoHS
THIS IS A RoHS COMPLIANT COMPONENT/ PRODUCT.

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A	鳩尾槽變更	STEVE	122722
X0	NEW DESIGN	DRAWN	111921
MARK	REVISION RECORD	DRAWN	MMDDYY



PLUG INTO RECEPTACLE REPRESENT



Panel Cut Out

CHECKED Steve		NAME USB3.1 GEN2 A Row SMT, 側立式, Dip Shell, Receptacle (插口無翻過)	
APPROVED Marvin		SCALE NA	UNIT mm
REV. A		SIZE A4	SHEET 3/3
Dimension Range Tolerance		Material/Plated/Notes	
X.X ±0.35		① SHIELD : STAINLESS STEEL/NICKEL PLATING	
X.XX ±0.25		② HOUSING : HIGH TEMPURTURE PLASTIC	
X.XXX ±0.15		③ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL, LEAD FREE TIN ALLOY AT TERMINATION.	
ANGLE ±5°		PART NO & DOC NO..	

A	鳩尾槽變更	STEVE	122722
X0	NEW DESIGN	DRAWN	111921
MARK	REVISION RECORD	DRAWN	MMDDYY

HF RoHS	V-GENERAL TECHNOLOGY 維將科技股份有限公司
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