

A

B

C

D

E

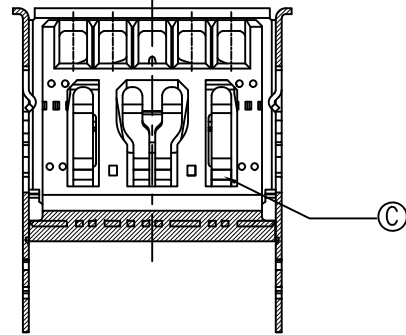
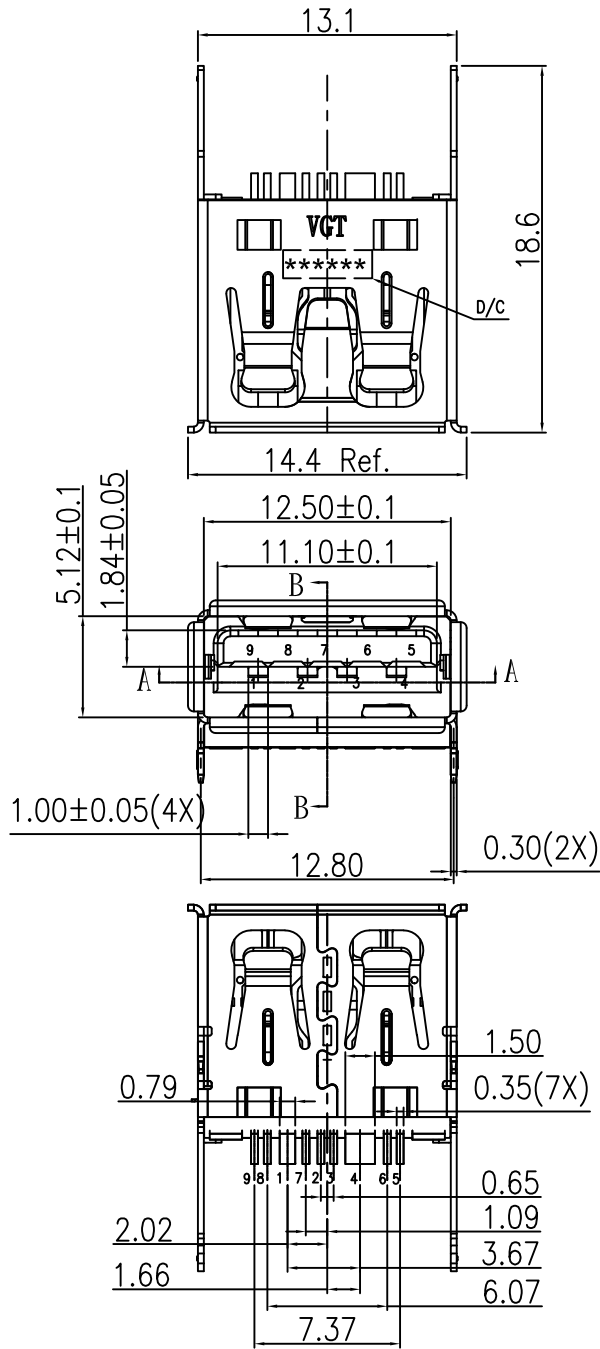
A

B

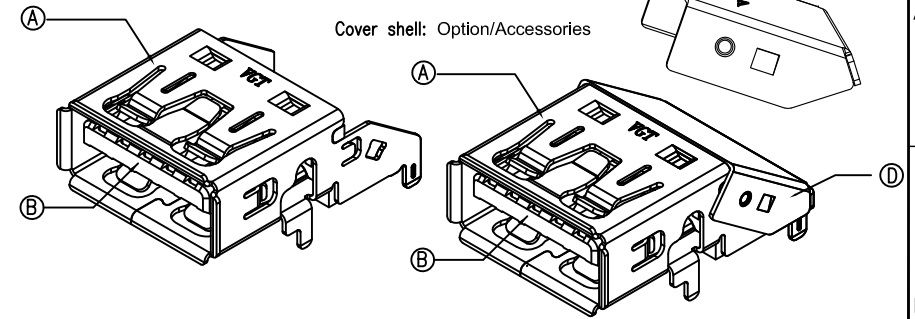
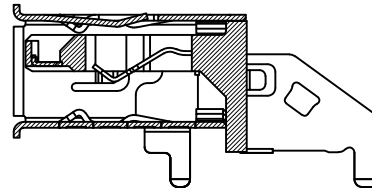
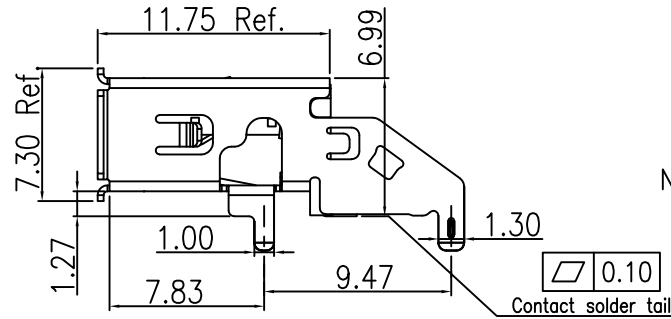
C

D

E



Section A-A



PART NUMBER : JCN-31AG-YHAS-XXR1

Plastic Color:
A=Blue
B=Black

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

NOTES:

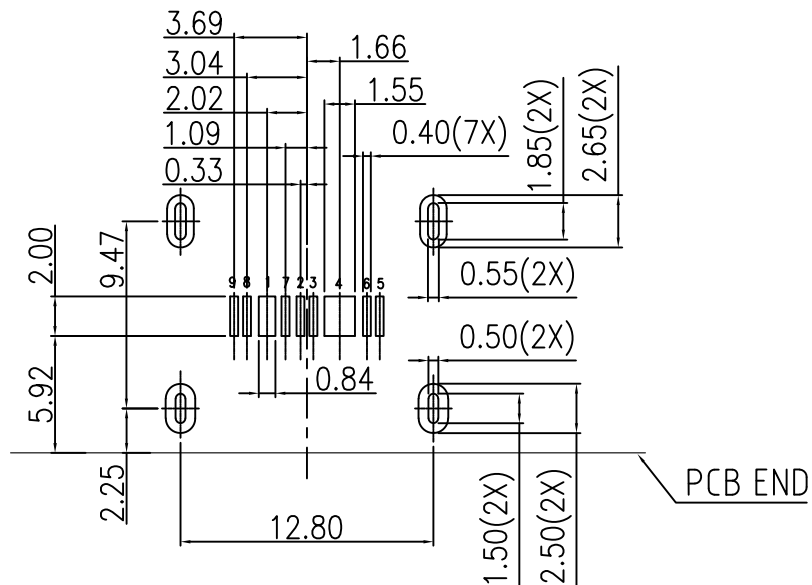
- ELECTRICAL CHARACTERISTICS:
 - CONTACT CURRENT RATING:
3A FOR VBUS PIN AND ITS CORRESPONDING GND PIN,
0.25A MIN FOR ALL OTHER CONTACTS.
 - CONTACT RESISTANCE:
INITIAL 30 MILLIOHMS MAX FOR VBUS AND GND CONTACT,
INITIAL 50 MILLIOHMS MAX FOR ALL OTHER CONTACT,
AFTER DURABILITY 10 MILLIOHMS MAX CHANGE,
 - DIELECTRIC WITH STANDING: 100 MEGOHMS MIN
- MECHANICAL CHARACTERISTICS:
 - CONNECTOR MATING FORCE: 35N MAX
 - CONNECTOR UNMATING FORCE: 10N MIN INITIAL, 8N MIN AFTER DURABILITY.
 - DURABILITY: 5000 CYCLES.
 - OPERATING TEMPERATURE RANGE: -20°C TO +85°C
- DIMENSIONS ARE IN MILLIMETERS, BRACKETED DIMENSIONS ARE INCHES EQUIVALENTS.
- RECOMMENDED PROCESS: IR REFLOW PEAK TEMPERATURE 260°C
- THE CONNECTOR IS ROHS COMPLIANT AND HALOGEN FREE.
- WHEN PLUG IS INSERTED INTO CONNECTOR IN WORSE CONDITION,
SPRING TIP TOUCH PCB. SO INHIBIT CIRCUIT IN SPRING TIP AREA.

CHECKED	Steve	UNLESS OTHERWISE SPECIFIED TOLERANCE	NAME	USB3.1A,1 Row SMT,9Pin,Offset 4.13mm, 接口 9Pin, Dip Shell, Receptacle 網通版	PART NO.
APPROVED	Marvin	Dimension Range Tolerance	SCALE	NA	JCN-31AG-YHAS-XXR1
REV.	X1	X.X ±0.35	UNIT	mm	DOC. NO.
		X.XX ±0.25	SIZE	A4	JCN-31AG-YHAS-XXR1
		X.XXX ±0.15	SHEET	1/2	
		ANGLE ±5°			

THIS IS A ROHS COMPLIANT COMPONENT PRODUCT.

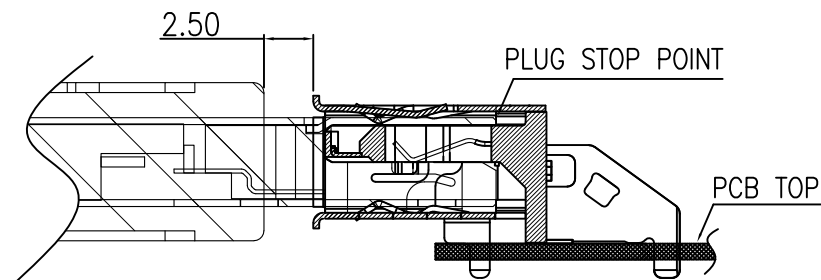
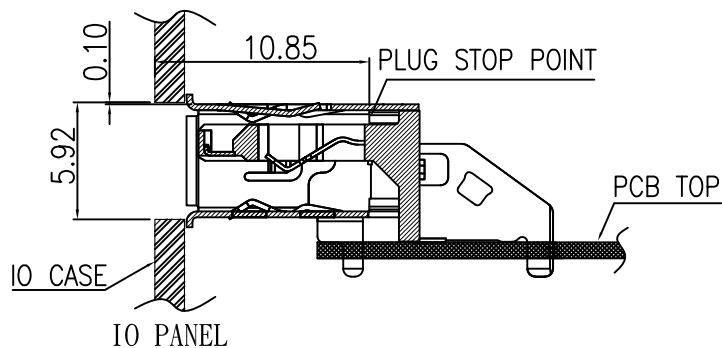
V-GENERAL TECHNOLOGY
維將科技股份有限公司

△ X1	NEW DESIGN	DRAWN	MMDDYY'
MARK	REVISION RECORD	DRAWN	122122



RECOMMENDED P.C.B LAYOUT TOP VIEW
TOLERANCES $\pm 0.05\text{MM}$

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+	



PLUG INTO RECEPTACLE REPRESENT

CHECKED Steve		NAME USB3.1A,1 Row SMT,9Pin,Offset 4.13mm, 接口 9Pin, Dip Shell, Receptacle 網通版	
APPROVED Marvin		SCALE NA	UNIT mm
REV. X1		SIZE A4	SHEET 2/2
Dimension Range Tolerance X.X ± 0.35 X.XX ± 0.25 X.XXX ± 0.15 ANGLE $\pm 5^\circ$		Material/Plated/Notes ① SHIELD : STAINLESS STEEL/NICKEL PLATING ② HOUSING : HIGH TEMPERTURE PLASTIC/BLACK ③ CONTACTS : COPPER ALLOY/NICKEL UNDERPLATED OVERALL GOLD FLASH AT CONTACT AREA LEAD FREE TIN ALLOY AT TERMINATION.	
PART NO. JCN-31AG-YHAS-XXR1		DOC. NO. JCN-31AG-YHAS-XXR1	

RoHS

THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT.

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