

Plastic
A=Blue
B=Black

Package:
R=Taping Reel
T=Tary
U=Tube
Gold Plating:
C-Gold Plating

ELECTRICAL CHARACTERISTICS:

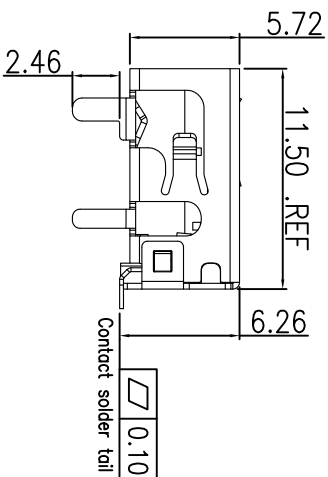
1-1 CONTACT CURRENT RATING:
1.8A FOR VBUS PIN AND ITS CORRESPONDING GND PIN,
0.25A MIN FOR ALL OTHER CONTACTS.

1-2 CONTACT RESISTANCE:

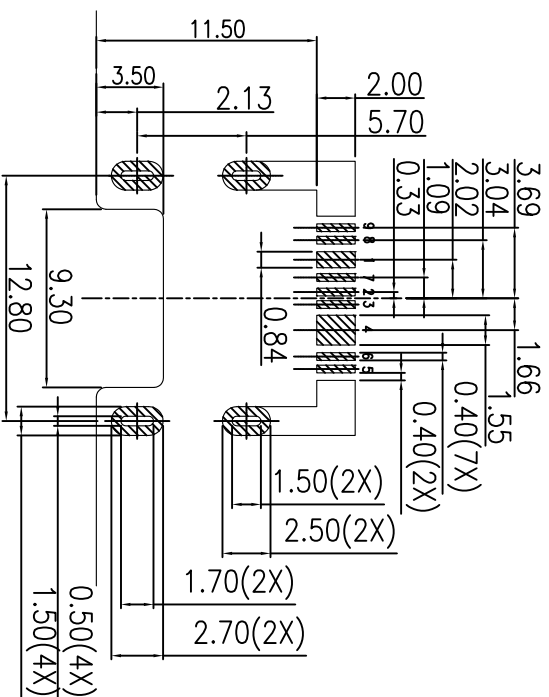
- 2-1 CONNECTOR MATING FORCE: 35N MAX
- 2-2 CONNECTOR UNMATING FORCE: 10N MIN INITIAL, 8N MIN AFTER DURABILITY.
- 2-3 DURABILITY: 5000 CYCLES.
- 2-4 OPERATING TEMPERATURE RANGE: -20°C TO +85°C

3. DIMENSIONS ARE IN MILLIMETERS, BRACKETED DIMENSIONS ARE INCHES EQUIVALENTS.

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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 WORE CONDITION, SPRING TIP TOUCH PCB, SO INHIBIT CIRCUIT IN SPRING TIP AREA.



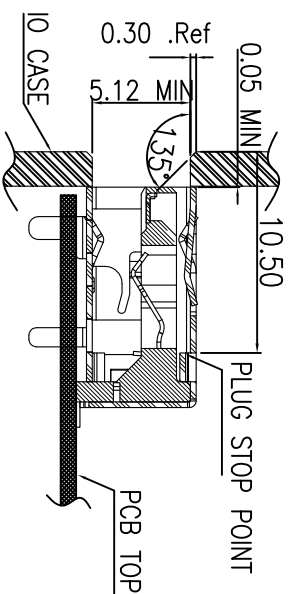
X0	NEW DESIGN	DRAWN	MMDDY*
MARK	REVISION RECORD	DRAWN	031120



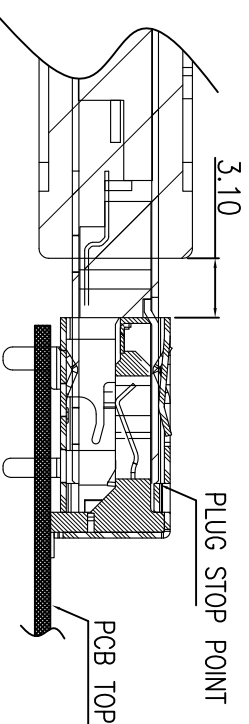
RECOMMENDED P.C.B LAYOUT TOP VIEW

TOLERANCES $\pm 0.05\text{MM}$

 SOLDER AREA



IO PANEL



PLUG INTO RECEPTACLE REPRESENT

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+	

CHECKED		NAME	
Steve		USB3 Gen2 A1 Rev SMT Offset 3.4mm Dip Shell Receptacle	
APPROVED		SCALE	
Marvin		N/A	
		UNIT	
		mm	
		SHEET	
		2/2	
		SIZE	
		A4	
		ANGLE	
		45°	
		MATERIAL/PLATING/NOTES	
		① SHIELD : STAINLESS STEEL/NICKEL PLATING	
		② HOUSING : HIGH TEMPERATURE PLASTIC	
		③ CONTACTS : COPPER ALLOY/NICKEL	
		④ UNDERPLATED OVERALL LEAD FREE TIN	
		ALLOY AT TERMINATION.	
		PART NO.	
		JCN-31A1-UGAB-XXX1	
		DOC. NO.	
		JCN-31A1-UGAB-XXX1	
		HF	
		RoHS	
		THIS IS A ROHS COMPLIANT COMPONENT PRODUCT.	
		V-GENERAL TECHNOLOGY	
		維將科技股份有限公司	

E

D

C

B

A

1

2

3

4

5

Design drawing