STATUS LEGENDS

UNKNOWN / NOT STARTED

PARTIALLY STARTED / NOT CONFIRMED

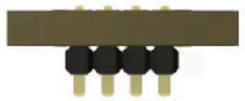
SOME PROBLEMS

ALL GOOD / CHECKED

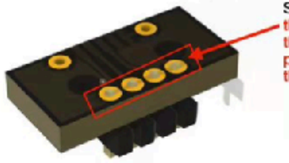
i-BOM: http://current_ibom.dattasaurabh.com/output/ibom.html

Doc: datta+baum watch 000
electronics assembly guide
Date: 22.03.2022
Loc: Beijing, China.

ASSEMBLY

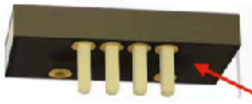


Step 1: insert the 4x1.27P male header



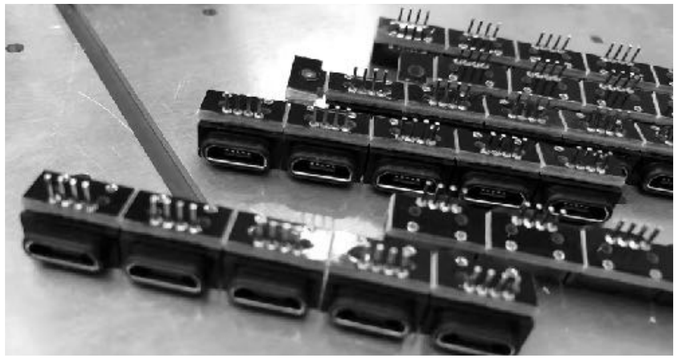
Step 2: Add solder to these pins in such a way that no extra solder or pin is protruding above the PCB

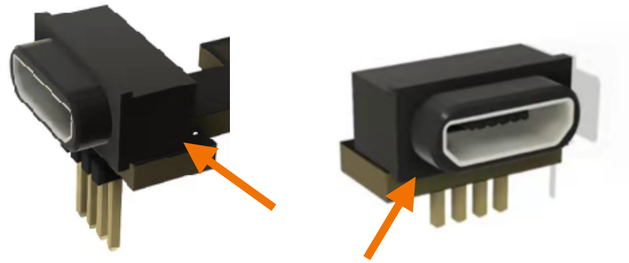
Step 3: Remove the plastic separator from the bottom



Step 4: Add tiny bits of solider at the bottom to strengthen the pin joints. But be careful there should not be any extra solder on the surface too much

Step 5: Place the micro-usb and solder it



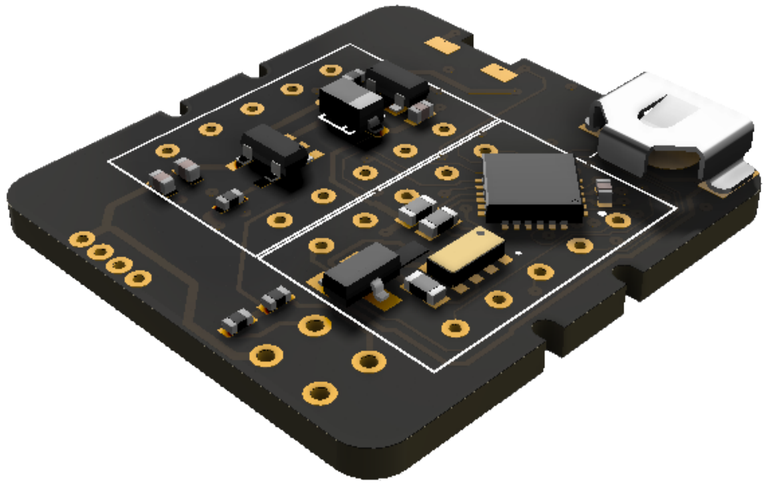


INSTRUCTIONS:

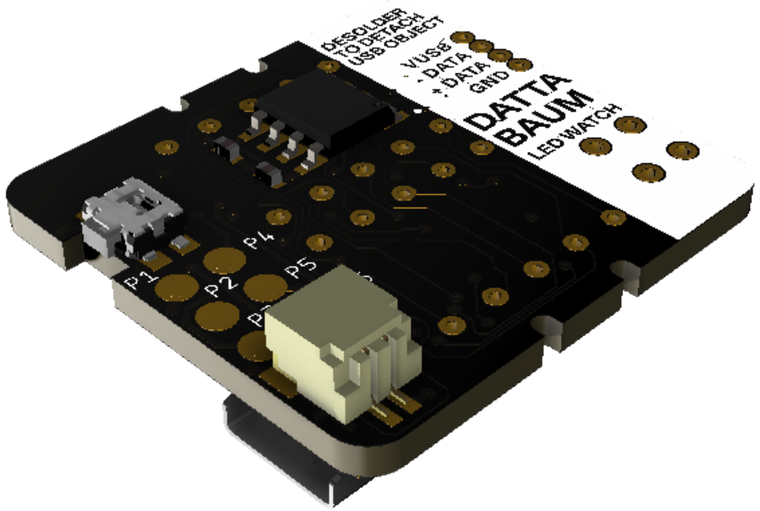
1. Solder the headers properly so that there is no extra part on top surface.
2. Solder the headers properly so that there is no extra solder buildup in both top and bottom.
3. Solder the micro usb.
4. Reinforce the micro usb to it's PCB with glue

STATUS / NOTES:

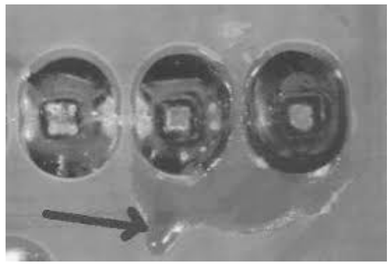
1. Partially completed.
2. These were printed and assembled by supplier already.
3. Client sent them back to Supplier for "reinforcement".
4. Supplier currently supposed to reinforce the USB module component on the USB's PCB part. (Other wise stress tears the SMT solder)



TOP



BOTTOM



INSTRUCTIONS:

1. Solder all the SMT components.
2. Do not Solder the Through Hole Components.
    1. The Push button has 2 pins that are through hole. Solder it as well (it is an exception).

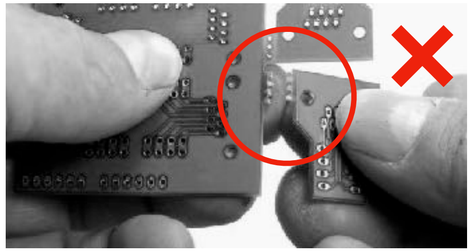
3. Clear all the flux and make the PCBs clean.

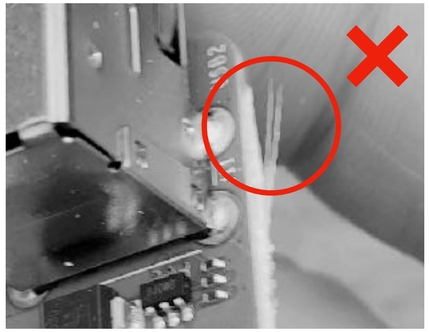
STATUS / NOTES:

1. Mind the RV8803's orientation.
2. Mind the Diode's (MBR0540) orientation.
3. No need to insert the micro coin cell.

CHECK BEFORE SHIPPING

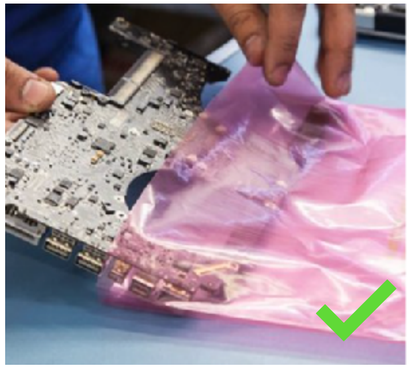
1. Cut the PCBs to individual pieces.
2. Get rid of any extra bumps from the sides (while separating individual PCB pieces from there panels)



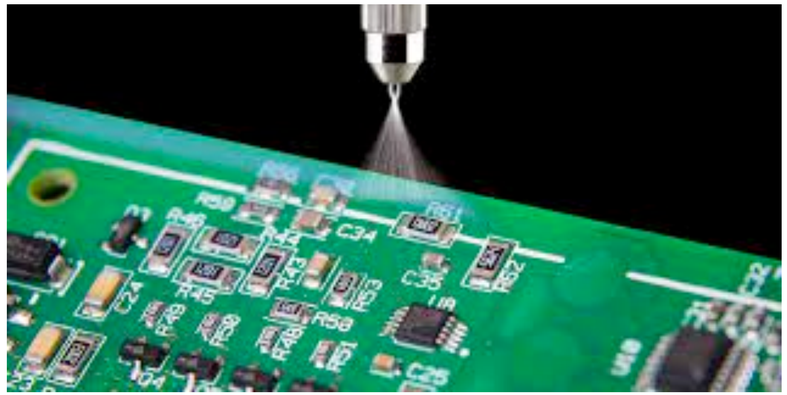


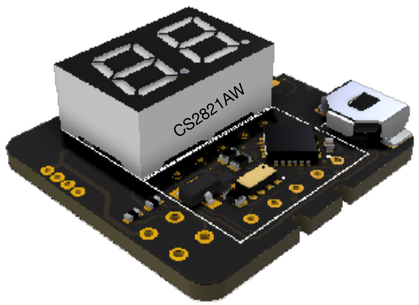
SHIP THE ASSEMBLED VOLUME TO CLIENT

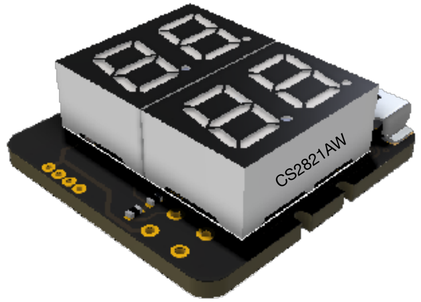
1. Put in a high quality protective and dry case for shipping.
2. Make sure they do not move during shipping.
3. Ship them in a very secure way.

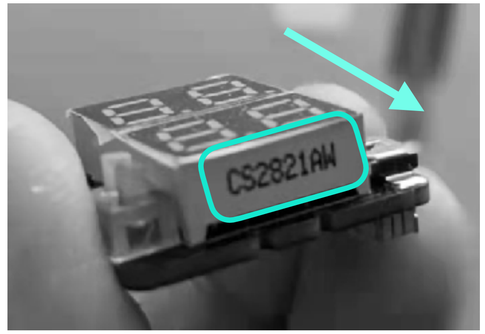


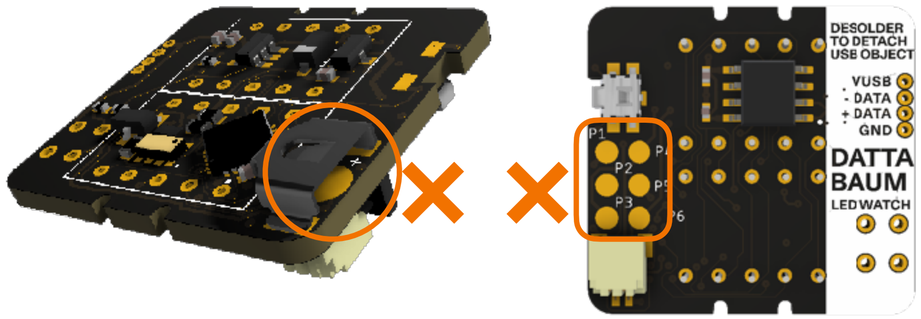
CLIENT WILL TEST
AND
SEND THE WORKING PIECES,
BACK TO THE SUPPLIER

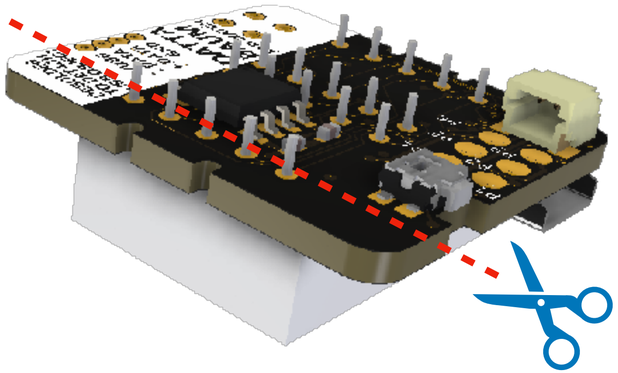












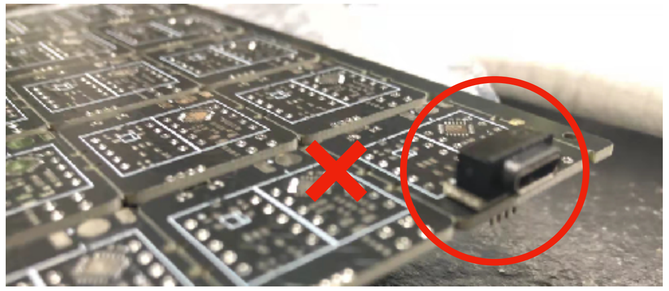
INSTRUCTIONS:

1. Apply weather resistant clear coating on top.
    1. Do not coat the micro coin cell area.
2. Solder the CORRECT 2” 2 digit WHITE LED 7 segment displays in the right orientation and direction (See the picture above.)
3. Snip the Through hole leads of the segment displays from the back, to the smallest length possible.
4. Apply weather resistant clear coating on Bottom
    1. Do not cover the 2×3 (6) pads as they are necessary to be conductive

STATUS / NOTES:

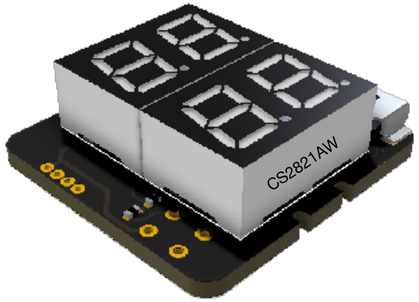
1. Confirm with the client the LED segment model number and LED colour before soldering.
2. Snip the LED Legs clean to a measured length before soldering them to the PCB.

DO NOT SOLDER THE USB PCB TO THE MAIN PCB.



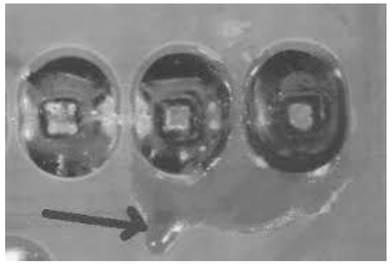
ITEMS TO SHIP (separate):

1. 

2. 

CHECK BEFORE SHIPPING

1. Remove any flux from the newly soldered parts.
2. Clean up the PCB.



SHIP THE ASSEMBLED VOLUME TO CLIENT

1. Put in a high quality protective and dry case for shipping.
2. Make sure they do not move during shipping.
3. Ship them in a very secure way.