

# Snail Kite Assembly Guide

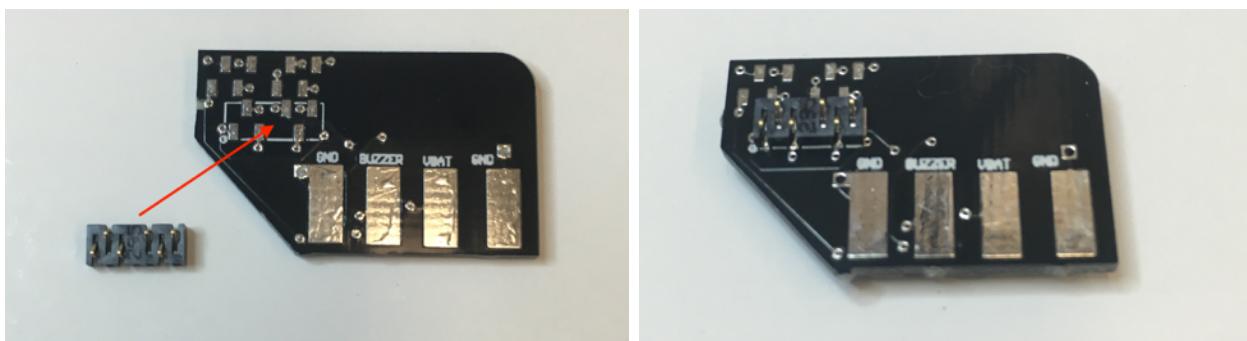
## Step 1:

Assemble one side of the SD card companion board by adding an 8 pin spring terminal and SD card reader with solder paste and then bake in reflow oven.



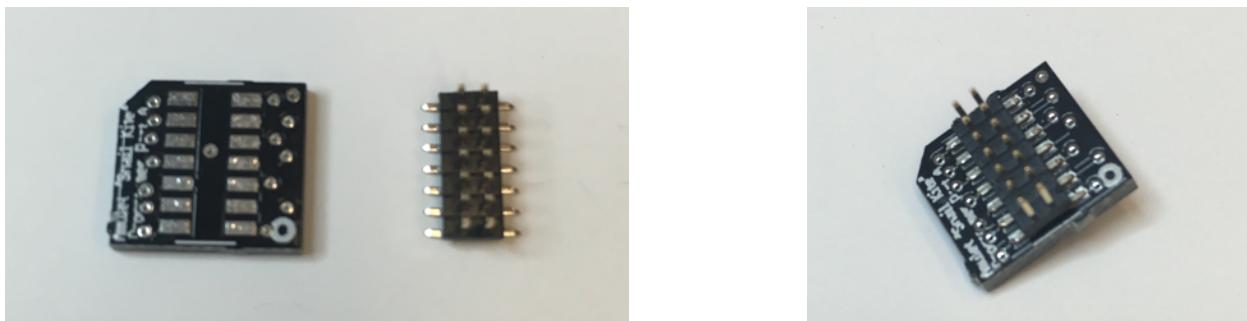
## Step 2:

Add a 6 pin spring terminal to the other side of the SD board with solder paste and a hot air gun.



## Step 3:

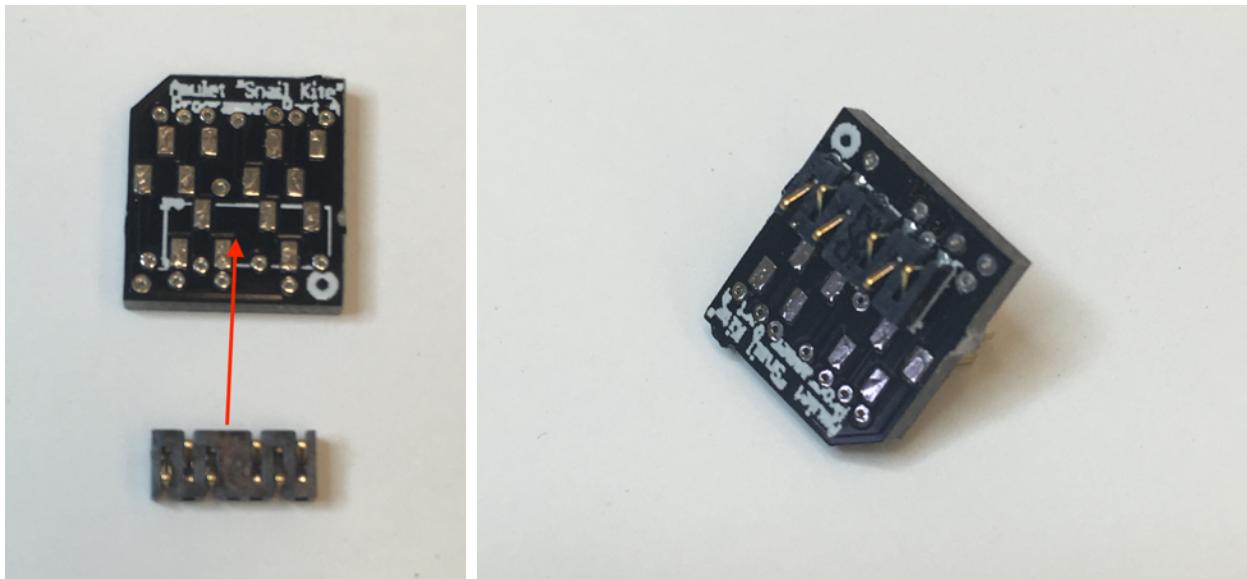
Add a 14 pin male plug to the dock board with solder paste and then bake in a reflow oven. To ensure good connections, ***go over each connection with a soldering iron once it's been baked.***



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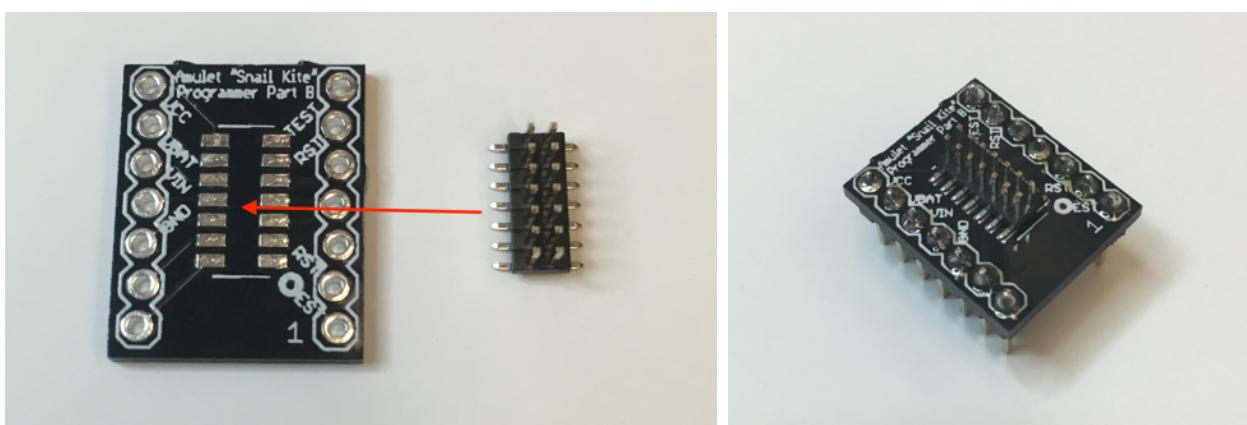
## Step 4:

Add a 6 pin spring terminal to the other side of the dock board with solder paste and a hot air gun.



## Step 5:

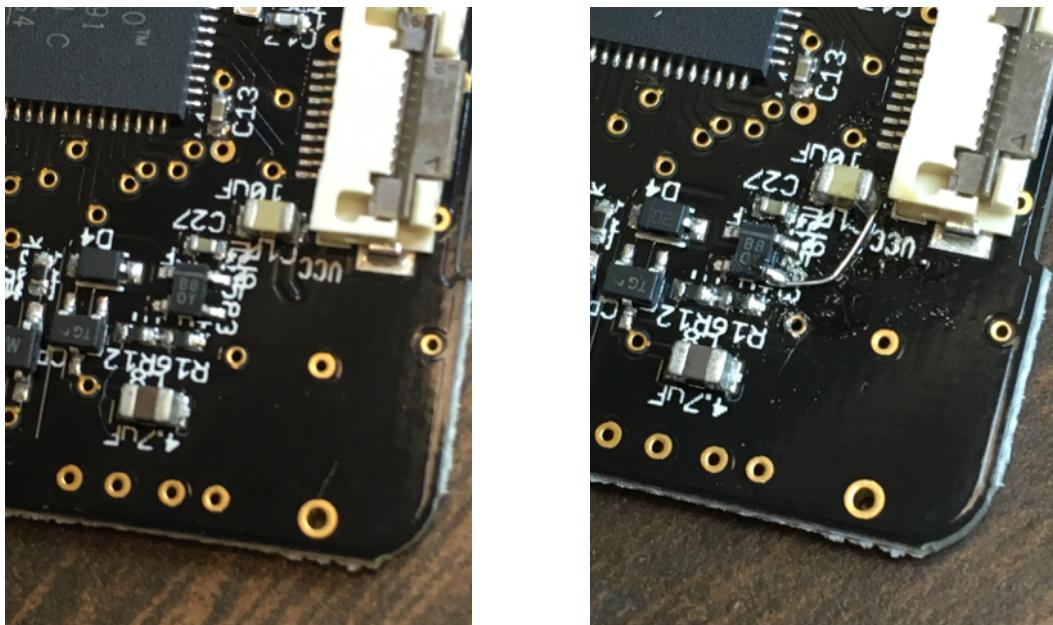
Add a 14 pin male plug to the programmer board with solder paste and then bake in a reflow oven. To ensure good connections, **go over each connection with a soldering iron once it's been baked**. Then solder on breadboard headers.



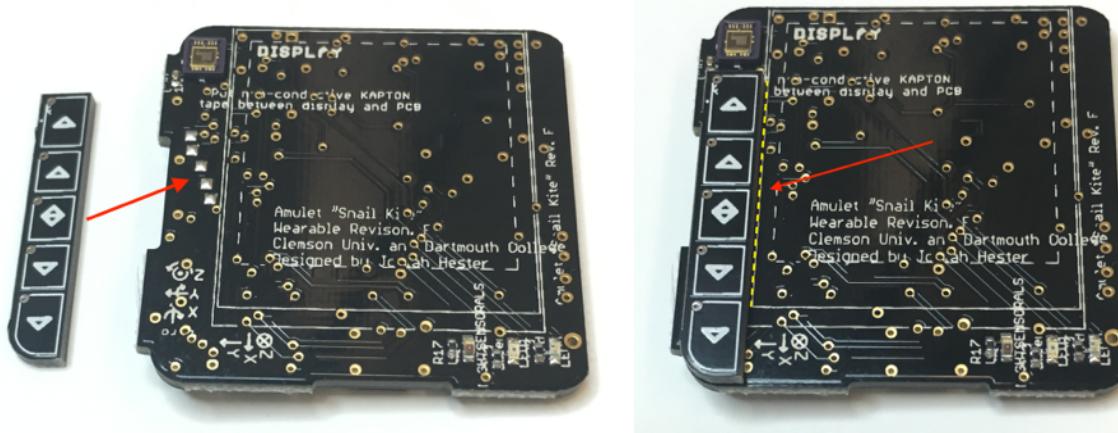
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## Step 6:

For the main board, add a jumper between the voltage regulator and the capacitor just above the screen connector, as such:

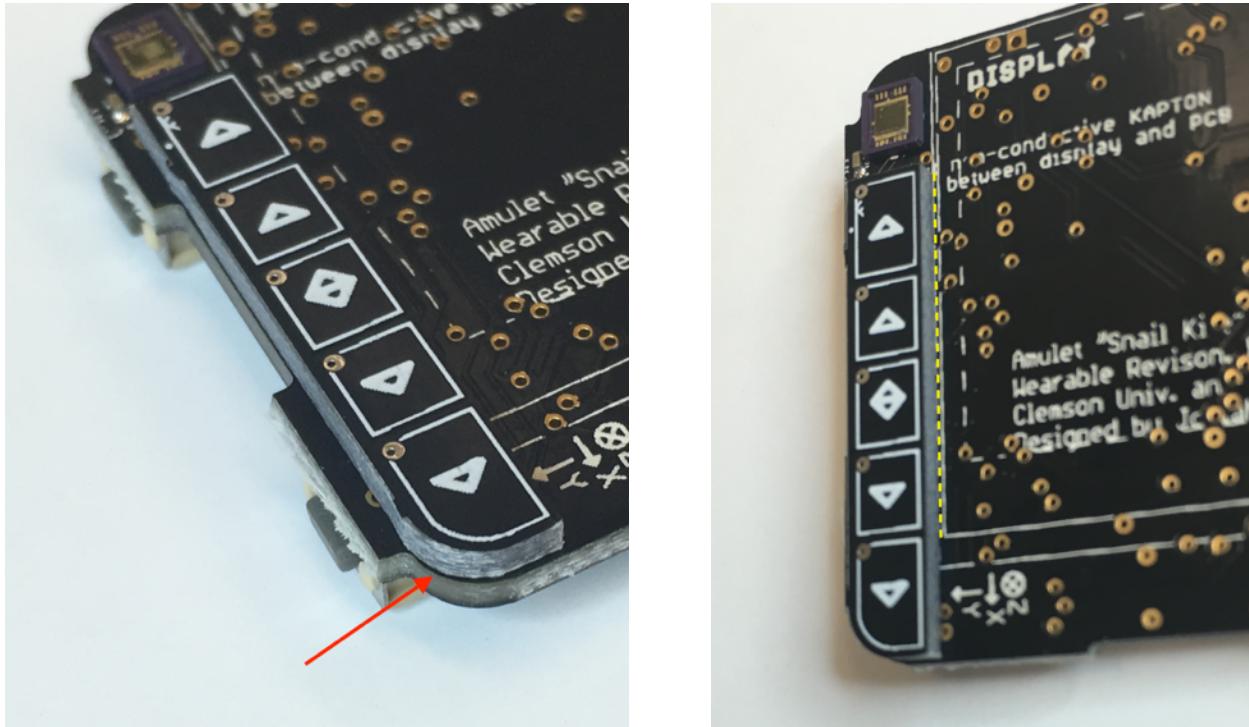


Then add the capacitive touch board to the front of the main board as such:



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For the case to line up properly, **make sure the cap touch board is aligned with the main board correctly**. The curve on the bottom of the cap touch board should be flush with the bottom-left curve on the main board, and the white outline for the screen should still be visible.



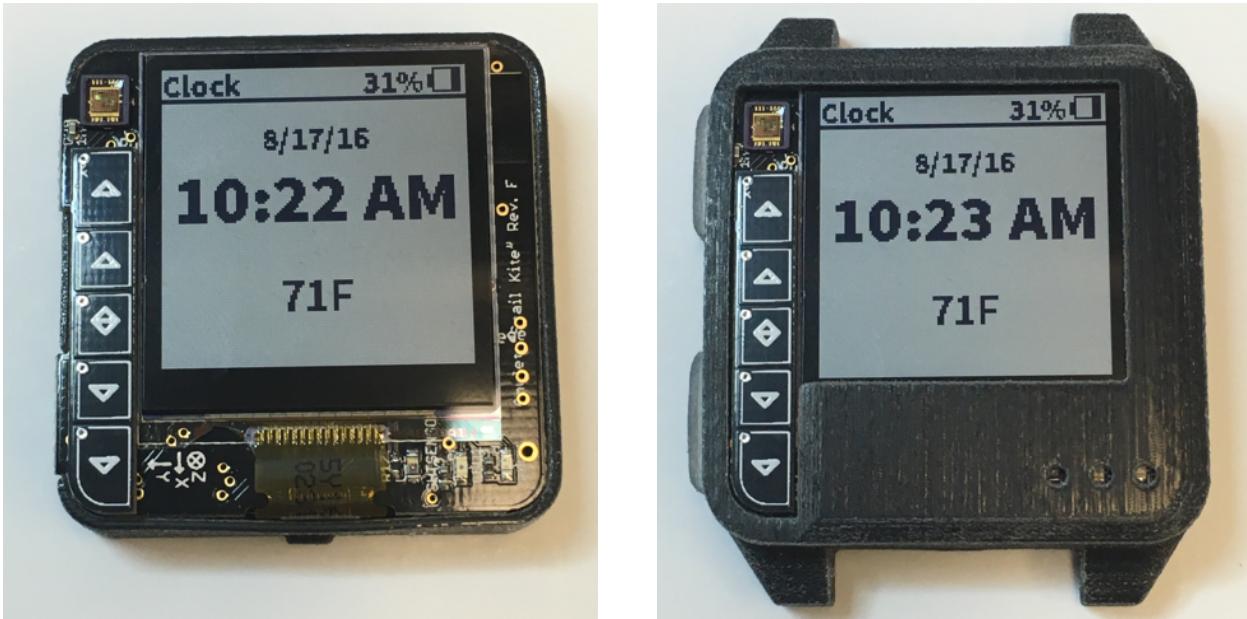
## Step 7:

Solder the haptic buzzer and battery to the SD companion board, ensuring that the wires are just long enough to fit in the case, as such:



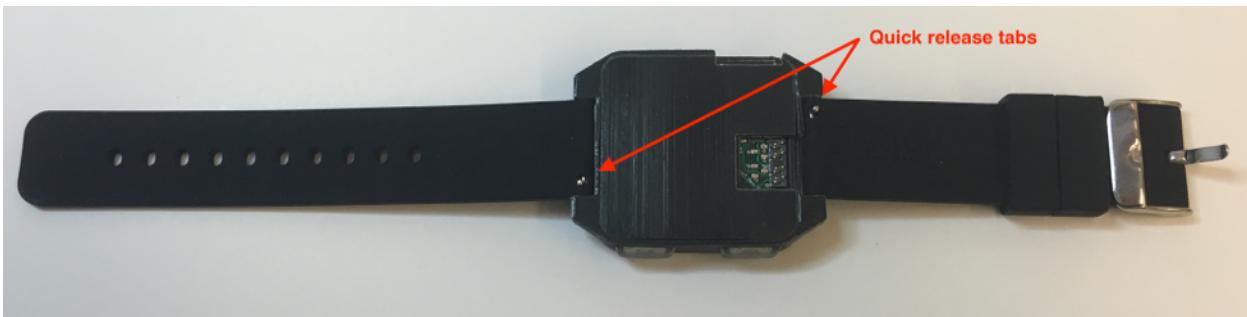
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Plug the screen into the connector and the back of the board and use Kapton tape to affix the screen to the front of the board, aligned within the screen printed outline. Then set the board down into the top of the tray (it should be a snug fit). Finally, carefully slide the lid down over the tray until it snaps into place (the bottom of the tray should be flush with the bottom edge of the lid).



## Step 8:

Attach the watch band pieces to the case.



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## Step 9:

Super glue the dock board to the dock. There is a lip on the dock where the board goes to assist with alignment. ***The board must be flush against this lip*** to ensure proper alignment when docking the Amulet for programming and charging. Also, ***make sure the board is oriented as seen the picture.***

