

CONVERTING 9XR TO FRISKY TELEMETRY (DJT MODULE)

The original 9XR does not support the FrSky telemetry protocol but it is easy to make a telemetry mod since the 9XR has the same PCB with 9X. So this mod can also be done both on **9XR** and **9X**. Furthermore be sure you have **TAKEN OFF** the Tx module **BEFORE** flash the firmware.

By far the most important thing is that it is being written by an end user. I am not an expert in electronics. The point is you do not need to be to make this mod! You simply need to be patient, and careful!

This is all the need:

FrSky DJT Tx module x1

500Ω resistor x1

220Ω resistor x2

Cable x 1

Heat Shrink Tubings

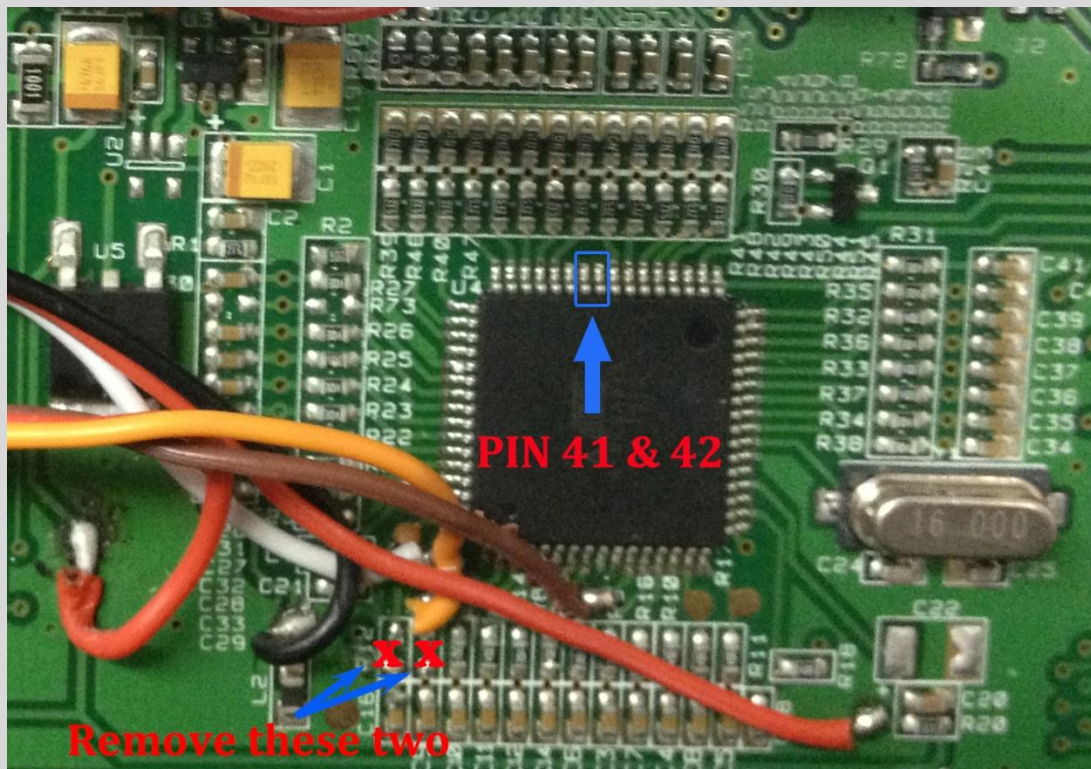


This mod need to modify both 9XR and DJT. Now we start:

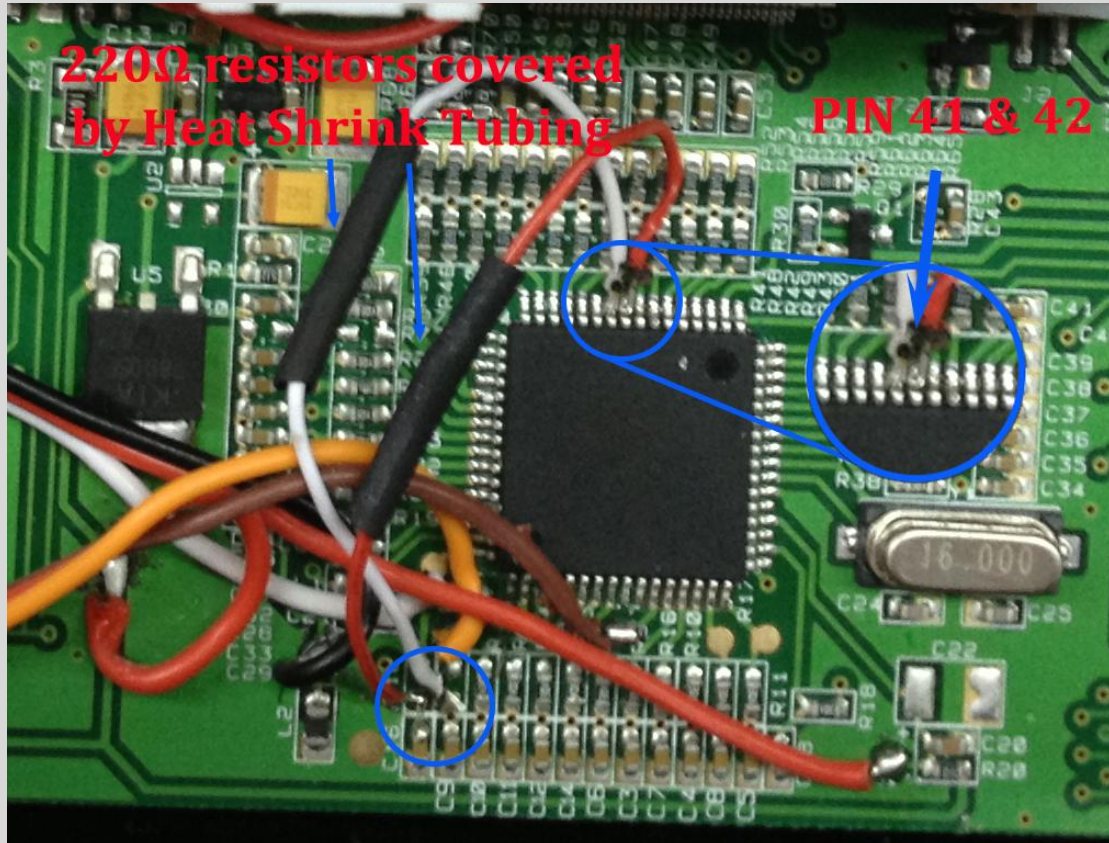
9XR PART

Remove the backside of 9XR then you can see the PCB with ATmega on it.

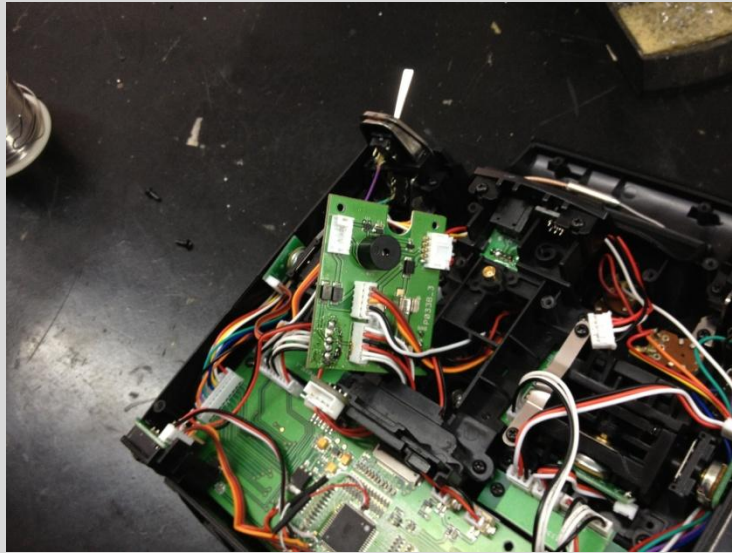
- Remove the two left-hand-most resistors as indicated in **RED**.



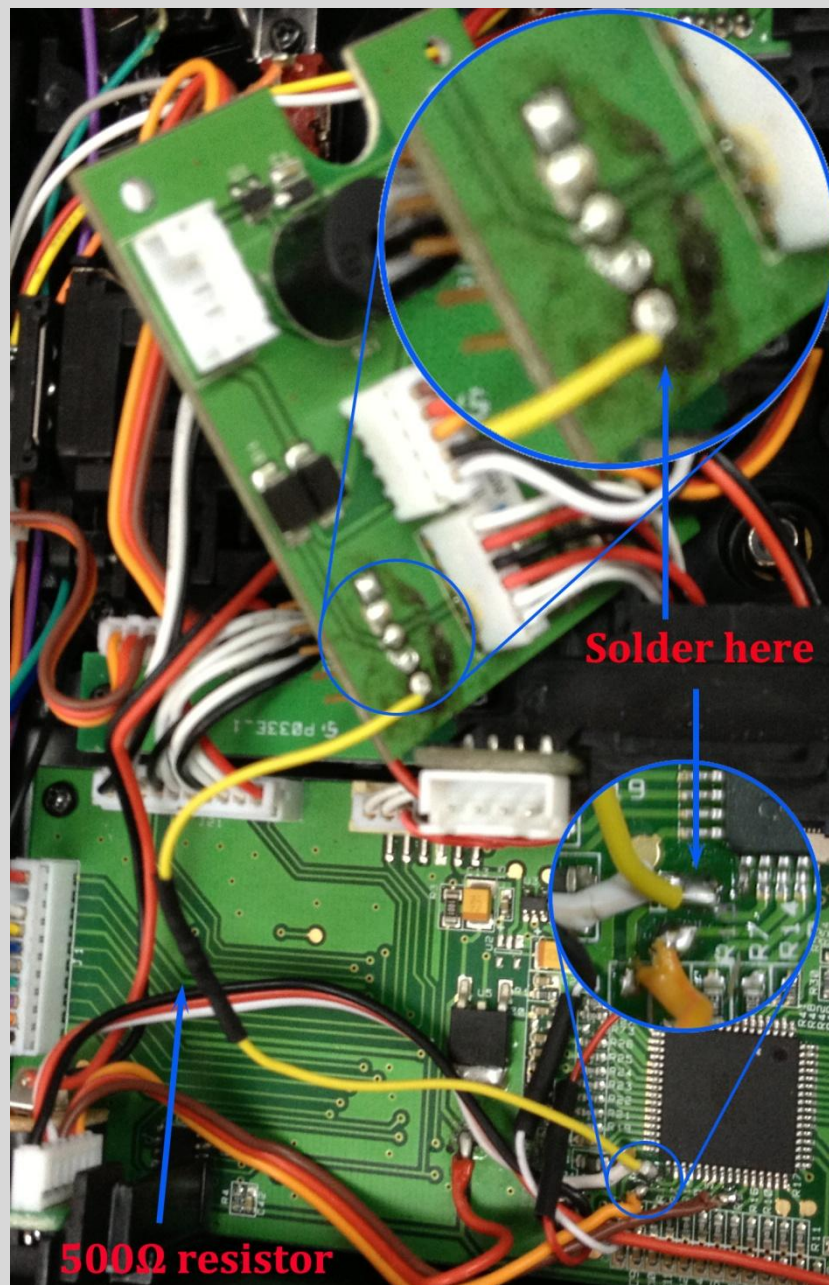
- Solder your 'super fine' wires to pins **41** and **42** of the ATmega and connect to the top end of the **220 Ω** resistors and covered with Heat Shrink Tubing as shown.



- Take off the RF bord.

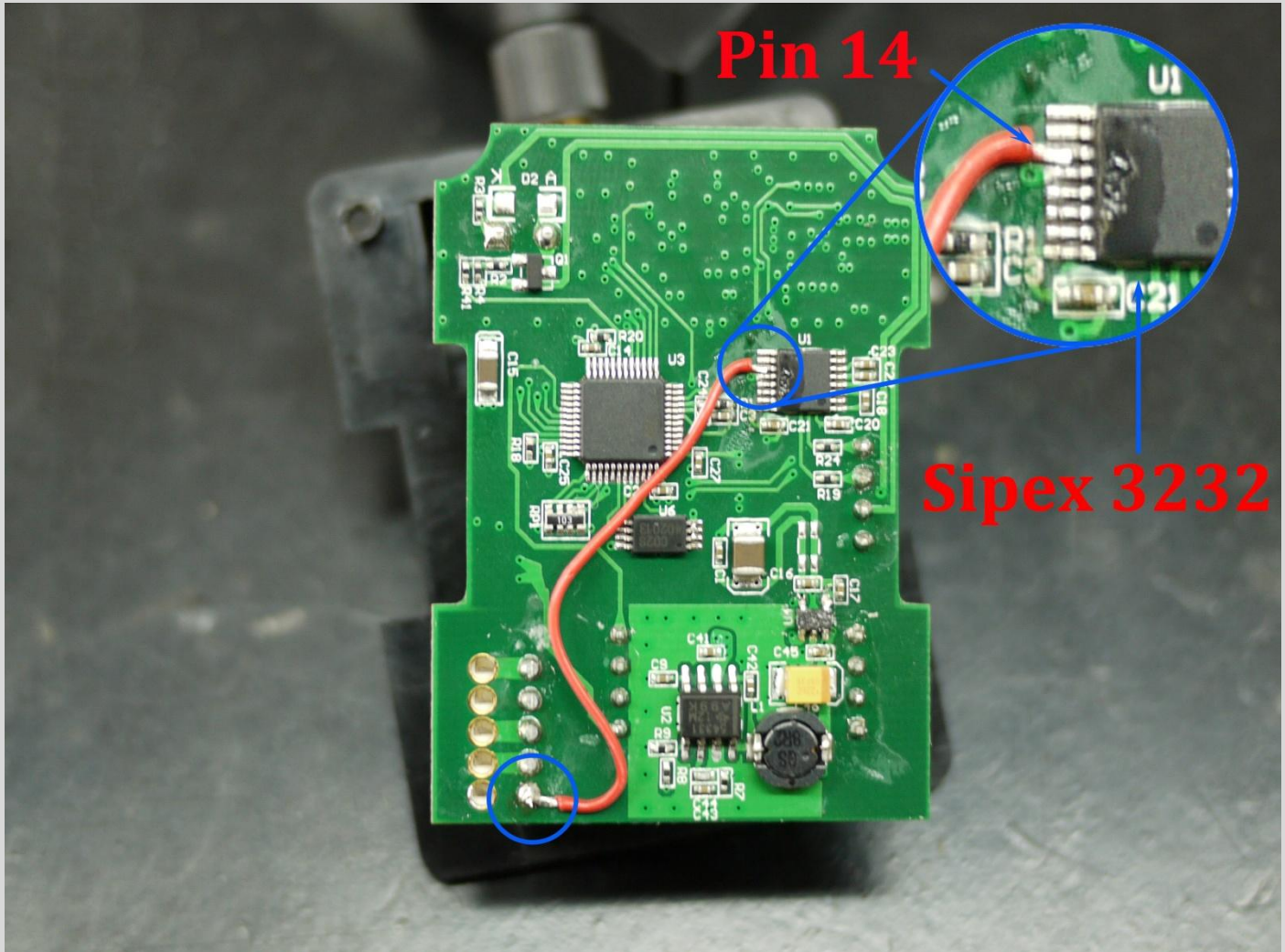


- Connect the **last** Pin (which will connect to Rx pin of DJT) of RF board and the second Pin of the ATmega with **500Ω** resistors and covered with Heat Shrink Tubing as shown.



The process on the 9XR is down.

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The DJT part is down.

Put everything back and power the transmitter. Flash the 9XR to er9X. Be sure **TAKE OFF Tx module when you flashing your radio.**

http://9xforums.com/wiki/index.php/Flashing_your_9x

The telemetry data is displayed as below.



