Arrow I: DIY cellphone

**August 20, 2013. Hours worked: 1hour**

This project I made to test my designing, soldering and programming skills. Is based on an MIT’s project made by the media lab department and the High low tech group. <http://hlt.media.mit.edu/?p=2182>

<http://web.media.mit.edu/~mellis/cellphone/index.html>

This is also an opportunity to start using hitbub.

Components:

<https://www.sparkfun.com/products/8449>

<https://www.sparkfun.com/products/10866>

**August 27 2013. Hours worked:**  2h 32min

Today I´m going to make the selection of all the main components. It will be on a worksheet called BOM\_ArrowI. I decided that this model should have a gps, so I will look for it.

Conclusion: I have to look for the antenna and see fi the MCU atxmega128a4u is the best for this app.

**September 9. Hours worked: 51MIN**

Today I’m going to start designing the schematic of arrow1. There are new interests in finishing it quickly to work in a mobile monitoring system.

LCD, simcard and m95 schematic done!.

**September 10. Hours worked: 1:03**

RGB LED, L26, MCP73831 models done.

**September 16. Hours worked: 3:55**

M95 schematic components almost done (antenna missing). Also I added a 3.5mm jack, so a handsfree could be used.

**September 17. Hours worked: 5 hours**

Kicad almost done. MicroSD added. MCP1252/3 added to protect the sdcard.