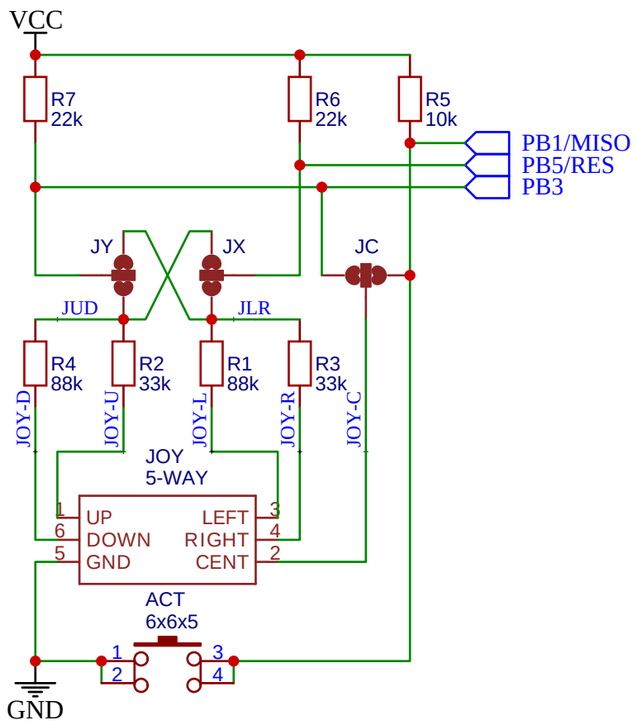
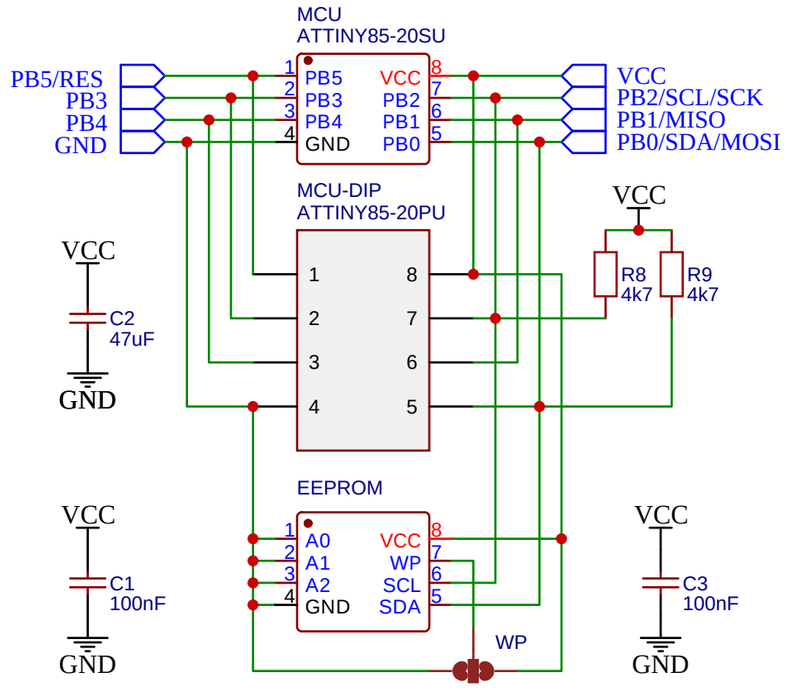
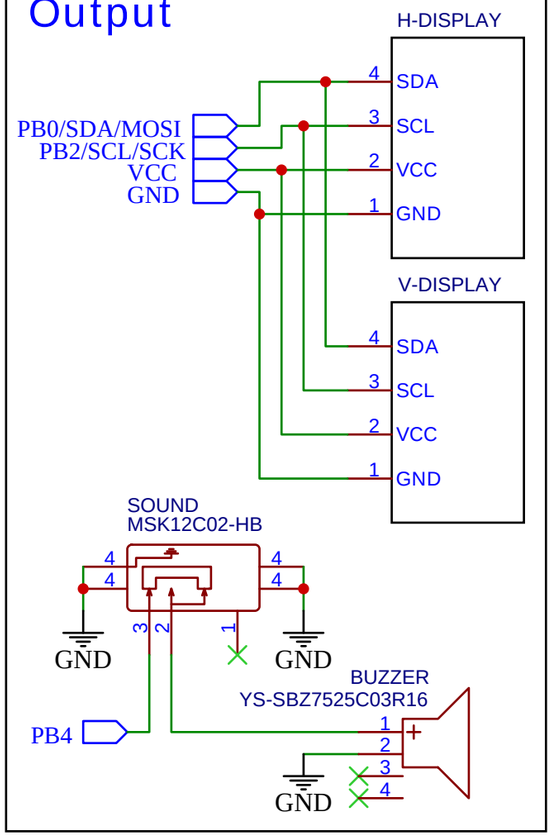
Input



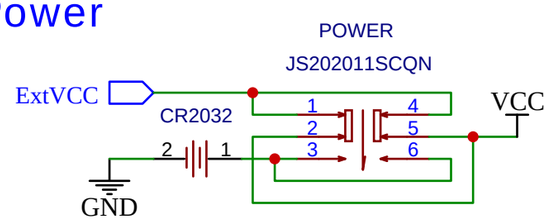
Processing



Output



Power



For portrait display orientation:
1. Solder JX to JUD position
2. Solder JY to JLR position
3. Swap resistors R1 (88k) and R3 (33k)

Joystick center button:
1. Solder JC to PB3 for acting as independent button
2. Solder JC to PB1 for acting as duplicate of ACT button
3. Leave JC open if not used

PCB soldering and programming notes:
1. 0.96" display may be installed in landscape OR portrait orientation (also 1.3" ssd1306 in landscape is supported)
2. For sound you may choose between buzzer with On/Off switch OR piezo cymbal under the display (PCB v1.1 only)
3. For MCU you may choose between SOIC OR DIP chip package
4. By default display module already has pull up resistors on SCL/SDA, so R8 and R9 may be omited
5. EEPROM IC may not be installed, if so C3 is not needed
6. R1 and R4 have uncommon value of 88k, it's OK to replace them with 91k
7. For programming you may use unoccupied ISP connector
8. Always switch OFF the power during programming
9. For more information visit: https://github.com/Yevgeniy-Olexandrenko/tiny-handheld

TITLE: Tiny Handheld		REV: 1.x
EasyEDA	Company: Olexandrenko	Sheet: 1/1
	Date: 2020-10-28 Drawn By: Yevgeniy	