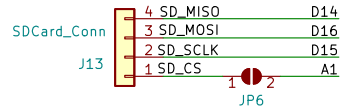
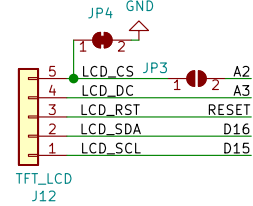


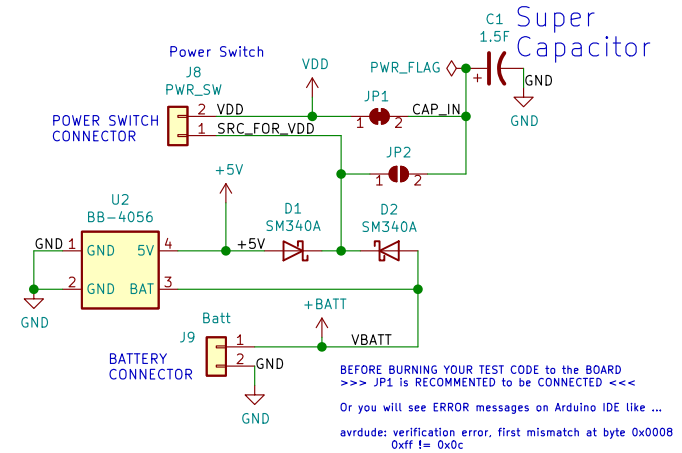
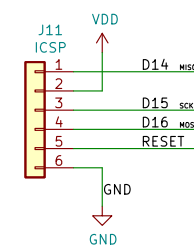
SPI for SD CARD



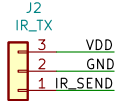
SPI for TFT LCD



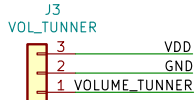
ICSP CONNECTOR



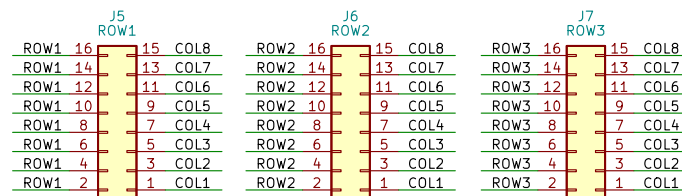
IR Transmitter



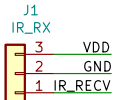
Volume Tunner



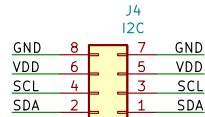
3x8 KEYPAD MATRIX



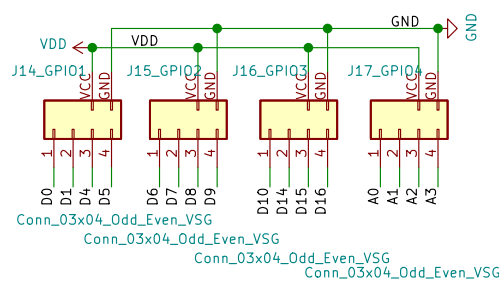
IR Receiver



I2C DEVICE CONNECTOR

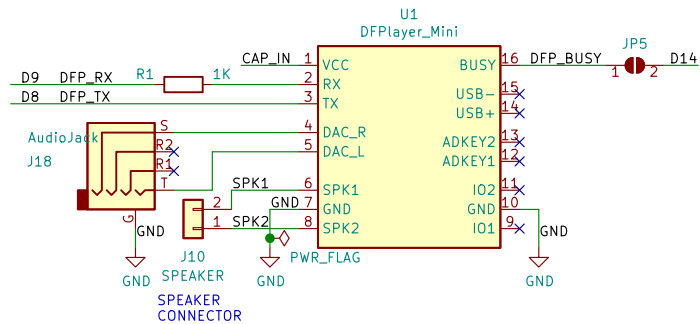


GENERAL GPIO



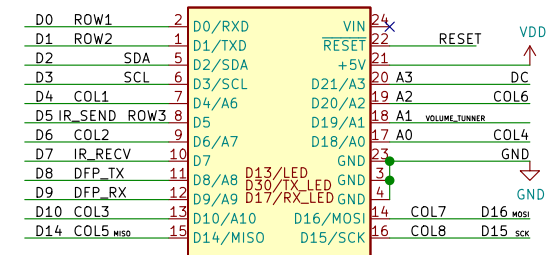
DFPlayer MINI

operation voltage: 3.2V~5.0V



Sparkfun Pro Micro

VIN->LD0->5V
Sparkfun Pro Micro's VIN range: 7V~12V
Atmega32u4's operation voltage(5V pin): 2.7V~5.5V
U3
Sparkfun_Pro_Micro



Atmega32U4 digital Pins
Usable For Interrupts are 0, 1, 2, 3, 7
so
ROW1 at D0
ROW2 at D1
IR_RECV at D7

For SoftwareSerial Not all pins on the Leonardo and Micro support change interrupts,
so only the following can be used for RX: 8, 9, 10, 11, 14 (MISO), 15 (SCK), 16 (MOSI).

Sheet: /
File: HappyAAC-Type-A.sch

Title: HappyAAC type A

Size: A4 Date: 2021-06-07

KiCad E.D.A. kicad 5.1.10

Rev: 2d

Id: 1/1