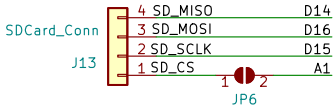
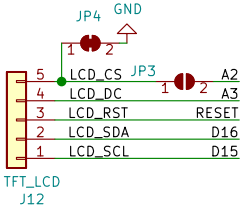
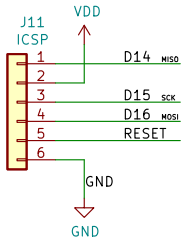
SPI for SD CARD



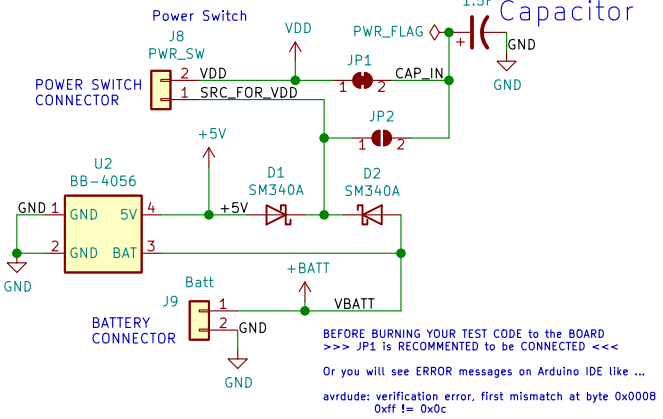
SPI for TFT LCD



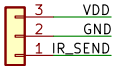
ICSP CONNECTOR



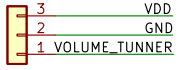
C1 Super Capacitor 1.5F



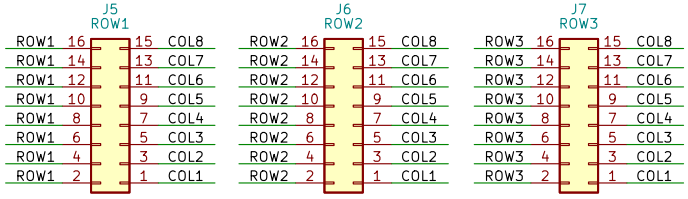
IR Transmitter



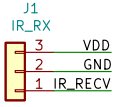
Volume Tunner



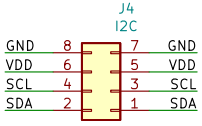
3x8 KEYPAD MATRIX



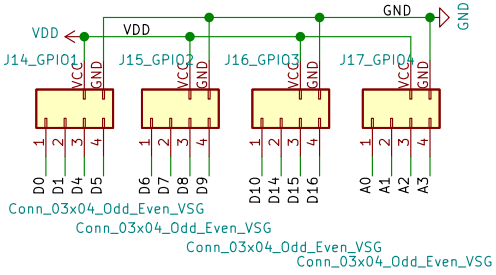
IR Receiver



I2C DEVICE CONNECTOR

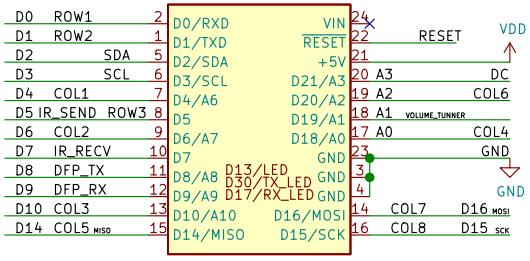


GENERAL GPIO



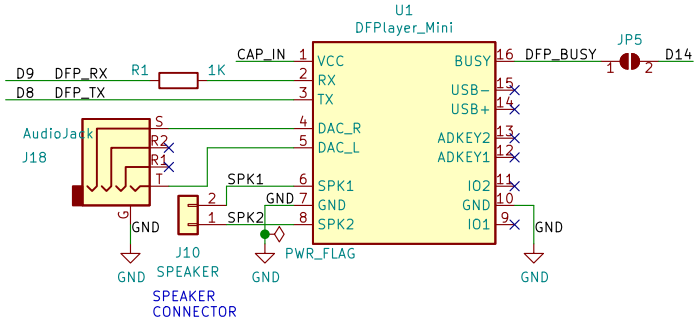
Sparkfun Pro Micro

VIN->LDO->5V
Sparkfun Pro Micro's VIN range: 7V-12V
ATmega32u4's operation voltage(5V pin): 2.7V-5.5V



DFPlayer MINI

operation voltage: 3.2V-5.0V



Digital pins available For Interrupts on ATmega32U4 are
0, 1, 2, 3, 7 for the sake of supporting wake-up function we choose
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: 2021-08-02	**Rev: 0.2e**
KiCad E.D.A. kicad 5.1.10		Id: 1/1