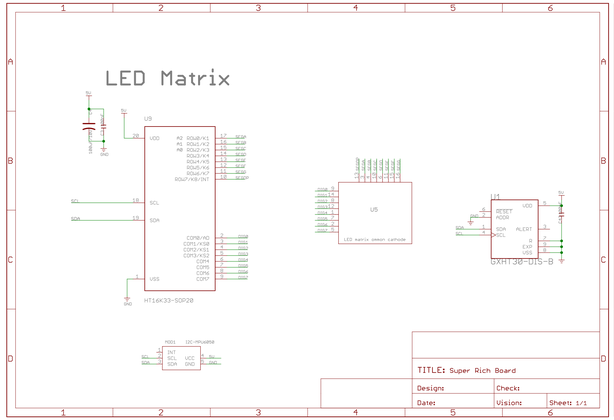
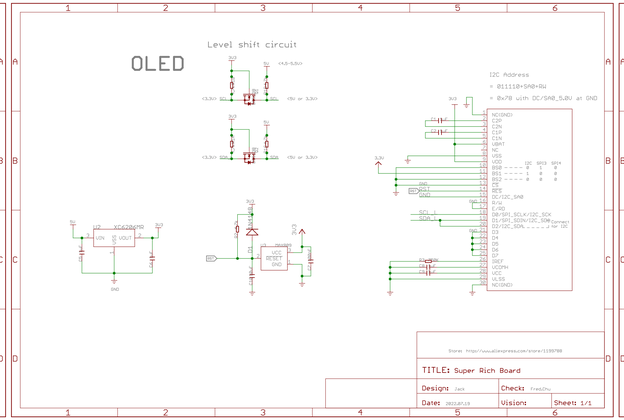
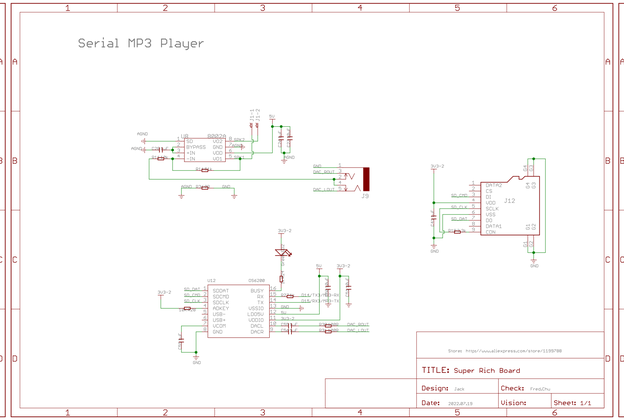
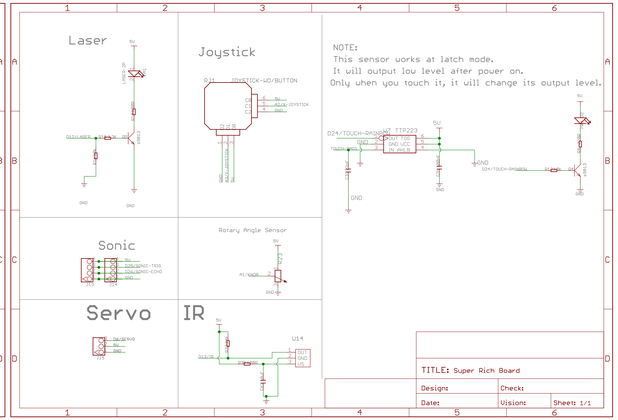
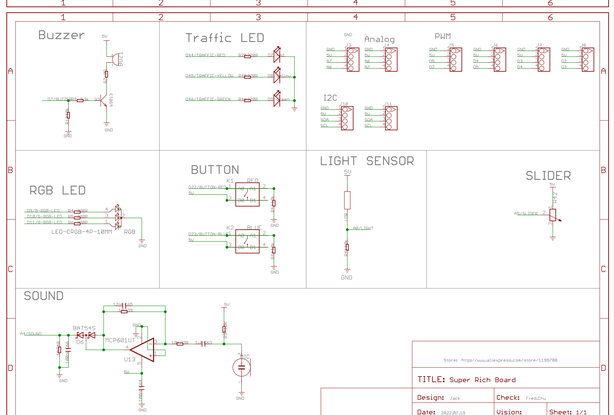
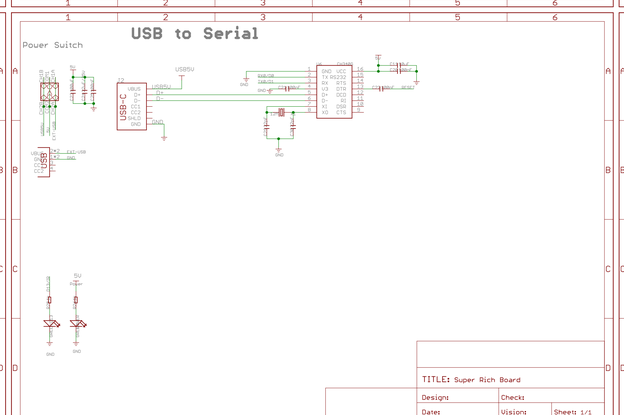

LED Matrix
U9
HT16K33-SOP28
U5
LED matrix common cathode
J1
RESET
ADDR
SDA
SCL
ALERT
GND
VDD
GXHT3B-D15-B
M001
I2C-MPU6050
INT
SCL
SDA
VCC
GND
TITLE: Super Rich Board
Designs
Checks
Date:
Visions
Sheets 1/1

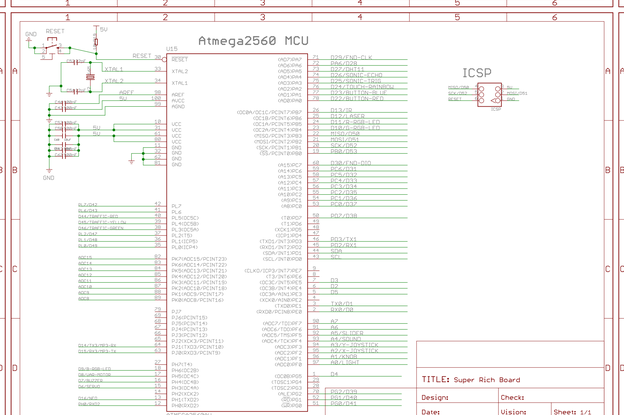

OLED
Level shift circuit
<4.5~5.5V
<3.3V
<5V or 3.3V
U2
XC6206MD
VIN
VOUT
I2C Address
= 011110+SA0+RW
= 0x78 with DC/SA0_SJU at GND
U1
VDD
VSS
VCC
RESET
GND
Store: https://www.aliexpress.com/store/1199788
TITLE: Super Rich Board
Designs
Checks
Date: 2023.07.13
Visions
Sheets 1/1

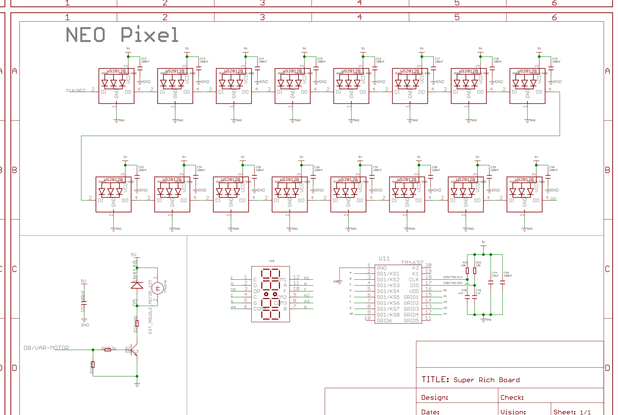

Serial MP3 Player
U6
DD03A
VIN
VOUT
J9
U17
DS4208
J12
Store: https://www.aliexpress.com/store/1199788
TITLE: Super Rich Board
Designs
Checks
Date: 2023.07.13
Visions
Sheets 1/1


Laser
Joystick
NOTE:
This sensor works at latch mode.
It will output low level after power on.
Only when you touch it, it will change its output level.
U7
TTP223
Sonic
Rotary Angle Sensor
Servo
IR
U14
TITLE: Super Rich Board
Designs
Checks
Date:
Visions
Sheets 1/1


Buzzer
Traffic LED
Analog
PWM
I2C
RGB LED
LED-CQ68-40-18MM
BUTTON
LIGHT SENSOR
SLIDER
SOUND
PA7545
MCP6811
U13
Store: https://www.aliexpress.com/store/1199788
TITLE: Super Rich Board
Designs
Checks
Date: 2023.07.13
Visions
Sheets 1/1


USB to Serial
Power Switch
USB-C
CH340
TITLE: Super Rich Board
Designs
Checks
Date:
Visions
Sheets 1/1


Atmega2560 MCU
ICSP
ATMEGA2560-16AU
TITLE: Super Rich Board
Designs
Checks
Date:
Visions
Sheets 1/1


NEO Pixel
U11
TM1637
TITLE: Super Rich Board
Designs
Checks
Date:
Visions
Sheets 1/1