USB Connector and Battery charge circuit

J1
USB_Micro_Jack Polyfuse_1A_hold

U1
TP4056

3.3V Regulator

U4 MIC5205-3.3

BAT1
LIPO_W_NTC

Microcontroller and peripherial

U2
ATMEGA32U4-RC-MU

RESET

MC decoupling

ADC Noise Canceller

ADC Resistor (Temp)

Levelshifter

POWERLED_DRIVER
DMN1004UFDF

Pixel_Switch
DMN1004UFDF

SW 1
SW1
SW_MODE

SW 2,3,4
RN2
R_Pack_10kΩ
Wippschalter_smd
SW3
BUTTONLED_Pink
BUTTONLED_Pink

Resetbutton
SW2
SW_MODE

AT-25 EEPROM
U5 AT25_EEPROM

SSD1306 OLED 0.86''
U6
OLED_0.86_14PIN

LSM6DS3US(Gyro-Accel)
U3
LSM6DS3TR

Status LEDs
RN1
R_Pack_1kΩ
STAT_RED
STAT_ORANGE
STAT_YELLOW
STAT_GRN

ESIDE_CONNECTORS

HEADER CHANGE !!
ISP_Conn_01x06
VCC MK5
MAT_PWR MK2
MAT_PWR MK6
TEMP_Conn_01x02
JTAG_Conn_01x06
MK1
PWM_1
MK4
MK3
MAT_SIG

Sheet: /
File: modular_eside_rev11.sch
Title:
Size: A2   Date:
KiCad E.D.A. kicad 4.0.7   Rev:
Id: 1/1