Optional Expansion on "Wings" MCU Connector LHS uSD_CD MISO MOSI SCK 7 0 8 OLED_nCS OLED_DnC 9 0 10 OLED_nRST M02X02 M02X05 DIL10 SW1 Arduino Uno Pins: MOSI = 11 MISO = 12 Arduino 6-pin ICSP/SPI SW_PUSHBUTTON header pins: SCK = 13MOSI = 4 MISO = 1 SCK = 3 VCC = 2 Gnd = 6 Default pins in example Default pills in example Gnd = 6 sketches (editable): OLED_CS = 2 OLED_DnC = 3 OLED_RST = 6 uSD nCS=4 (for sketches using MicroSD) SPI Level Shifting 3.3v Supply VCC GND u<u>SD_nCS</u> OLE<u>D_</u>nRST uSD_nCS_3v3 1A 1Y OLED_nRST_3v3 2A 2Y VIN OLED_DnC OLED_DnC_3v3 3A 3Y GND MOSI MOSI_3v3 4A 4Y ONOFF BYPASS SCK SCK_3v3 5A 5Y OLED_nCS OLED_nCS_3v3 6A 6Y REG1 MC74VHCT50A U1 SOIC14

IC1

VIN

EN

TPS61040

SW

GND

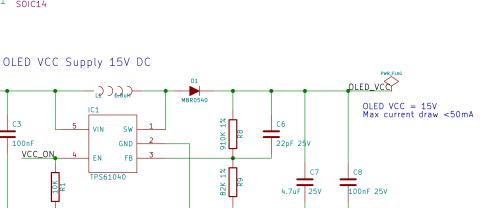
FB

C2

100nF

VCC_ON

10uF



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VOUT

RHS LED2

4 00 M02X02

SW_PUSHBUTTON

SW2

