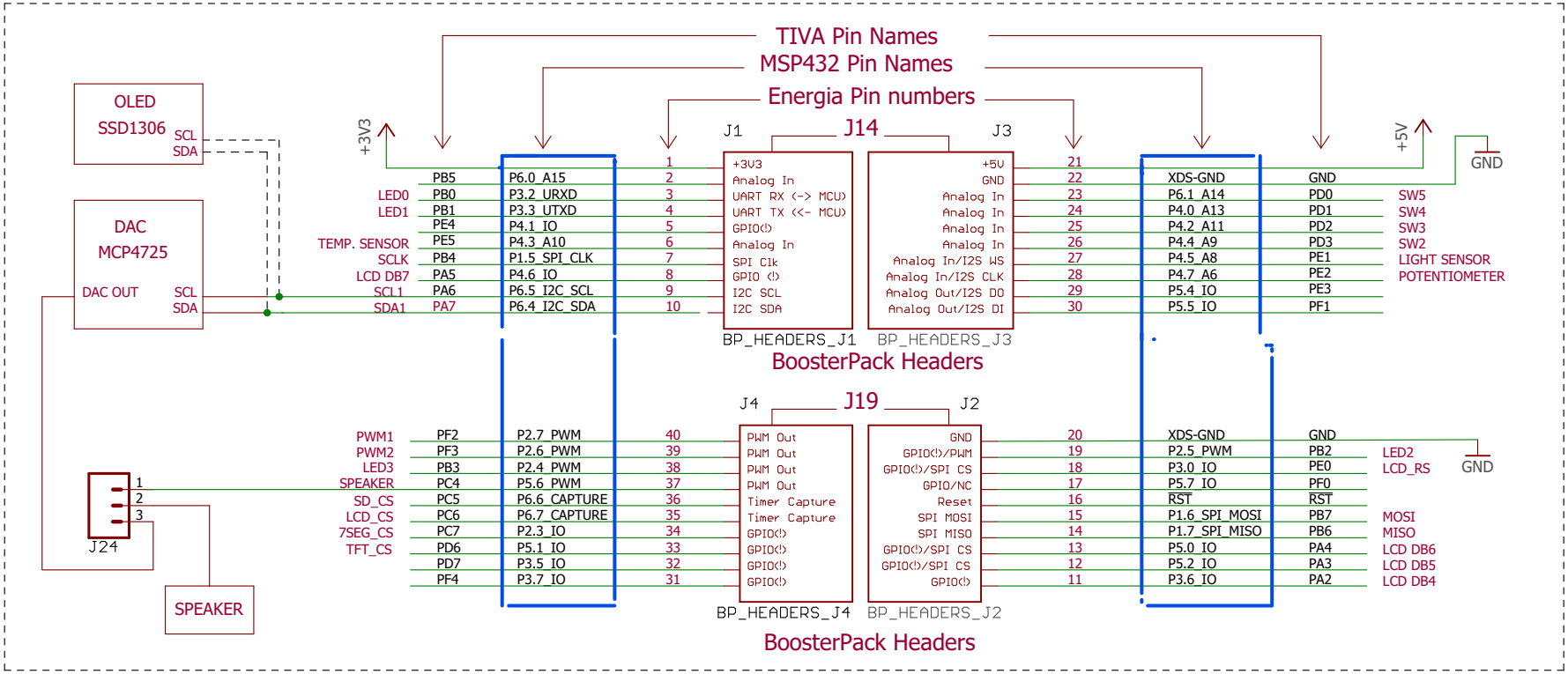
TIVA Pin Names
MSP432 Pin Names
Energia Pin numbers
OLED
SSD1306
SCL
SDA
DAC
MCP4725
DAC OUT
SCL
SDA
+3V3
+5V
GND
J1
J14
J3
LED0 PB5 P6.0_A15 1 +3V3 +5V 21 XDS-GND GND
LED1 PB0 P3.2_URXD 2 Analog In GND 22 P6.1_A14 PD0 SW5
TEMP. SENSOR PB1 P3.3_UTXD 3 UART RX (-> MCU) Analog In 23 P4.0_A13 PD1 SW4
SCLK PE4 P4.1_IO 4 UART TX (<- MCU) Analog In 24 P4.2_A11 PD2 SW3
LCD DB7 PE5 P4.3_A10 5 GPIO(!) Analog In 25 P4.4_A9 PD3 SW2
SCL1 PB4 P1.5_SPI_CLK 6 Analog In Analog In/I2S WS 26 P4.5_A8 PE1 LIGHT SENSOR
SDA1 PA5 P4.6_IO 7 SPI Clk Analog In/I2S CLK 27 P4.7_A6 PE2 POTENTIOMETER
PA6 P6.5_I2C_SCL 8 GPIO (!) Analog Out/I2S DO 28 P5.4_IO PE3
PA7 P6.4_I2C_SDA 9 I2C SCL Analog Out/I2S DI 29 P5.5_IO PF1
10 I2C SDA 30
BP_HEADERS_J1
BP_HEADERS_J3
BoosterPack Headers
J4
J19
J2
PWM1 PF2 P2.7_PWM 40 PWM Out GND 20 XDS-GND GND
PWM2 PF3 P2.6_PWM 39 PWM Out GPIO(!)/PWM 19 P2.5_PWM PB2 LED2
LED3 PB3 P2.4_PWM 38 PWM Out GPIO(!)/SPI CS 18 P3.0_IO PE0 LCD_RS
SPEAKER PC4 P5.6_PWM 37 PWM Out GPIO/NC 17 P5.7_IO PF0
SD_CS PC5 P6.6_CAPTURE 36 Timer Capture Reset 16 RST RST
LCD_CS PC6 P6.7_CAPTURE 35 Timer Capture SPI MOSI 15 P1.6_SPI_MOSI PB7 MOSI
7SEG_CS PC7 P2.3_IO 34 GPIO(!) SPI MISO 14 P1.7_SPI_MISO PB6 MISO
TFT_CS PD6 P5.1_IO 33 GPIO(!) GPIO(!)/SPI CS 13 P5.0_IO PA4 LCD DB6
PD7 P3.5_IO 32 GPIO(!) GPIO(!)/SPI CS 12 P5.2_IO PA3 LCD DB5
PF4 P3.7_IO 31 GPIO(!) GPIO(!) 11 P3.6_IO PA2 LCD DB4
J24
SPEAKER
BP_HEADERS_J4
BP_HEADERS_J2
BoosterPack Headers
SPI INTERFACE DEVICES
TIVA
PB0 AIN1
PB1 AIN2
PB2 BIN1
PB3 BIN2
PF2 PWMA
PF3 PWMB
H-BRIDGE
TB6612FNG
P3.2 (J1.3) AIN1
P3.3 (J1.4) AIN2
P2.5 (J2.19) BIN1
P2.4 (J4.38) BIN2
P2.7 (J4.40) PWMA
P2.6 (J4.39) PWMB
H-BRIDGE
TB6612FNG
MSP432
TIVA
PB7 MOSI
PB6 MISO
PB4 SCLK
PC7 CS
74HCT595
7-SEG.
DISPLAY
P1.6 (J2.15) MOSI
P1.7 (J2.14) MISO
P1.5 (J1.7) SCLK
P2.3 (J4.34) CS
74HCT595
7-SEG.
DISPLAY
MSP432
TIVA
PB7 MOSI
PB6 MISO
PB4 SCLK
PC6 CS
74HCT595
LCD 2X16
DISPLAY
SERIAL
INTERFACE
P1.6 (J2.15) MOSI
P1.7 (J2.14) MISO
P1.5 (J1.7) SCLK
P6.7 (J4,35) CS
74HCT595
LCD 2X16
DISPLAY
SERIAL
INTERFACE
MSP432
TIVA
PB7 MOSI
PB6 MISO
PB4 SCLK
PE0 D/C
PD6 CS
TFT
DISPLAY
P1.6 (J2.15) MOSI
P1.7 (J2.14) MISO
P1.5 (J1.7) SCLK
P3.0 (J2,18) D/C
P5.1 (J4,33) CS
TFT
DISPLAY
MSP432
TIVA
PB7 MOSI
PB6 MISO
PB4 SCLK
PC5 CS
MICRO SD
P1.6 (J2.15) MOSI
P1.7 (J2.14) MISO
P1.5 (J1.7) SCLK
P6.6 (J4,36) CS
MICRO SD
MSP432