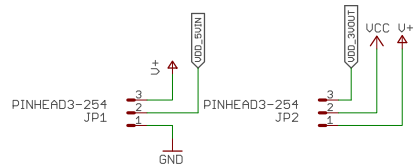
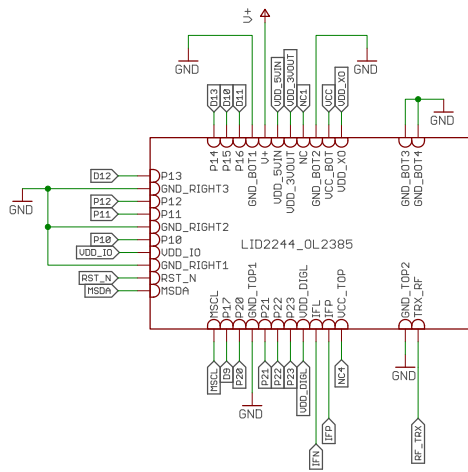


Voltage Reference



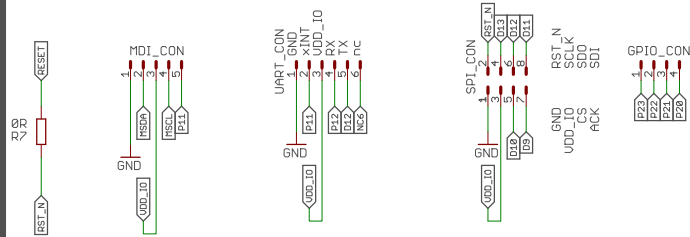
option	JP1	JP2
3V (default)	1-2	1-2
5V	2-3	2-3

LID2244 MantraG Reference Board

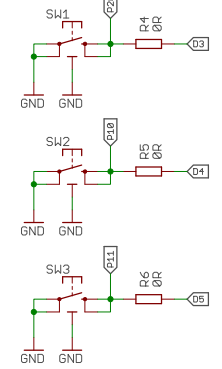


Func. 1 (Sigfox)		Func. 2 (REC)	
P10:	dig. In (SW2)	dig. Out (SW2)	
P11:	dig. In (SW3 / MDI_INT)	dig. Out (MDI_INT / SW3)	
P12:	unused	UART0_RX	
P13:	SPI0_SDO	UART0_TX	
P14:	SPI0_SCLK	-	
P15:	dig. In (SPI_CS)	-	
P16:	SPI0_SDI	UART0_INT	
P17:	dig. Out (SPI_ACK)	-	
P20:	dig. In (SW1)	dig. In (SW1)	
P21:	dig. Out (LED_RE/TX_Debug)	dig. Out (LED_RE)	
P22:	dig. Out (LED_YE)	dig. Out (LED_YE)	
P23:	dig. Out (LED_GR)	dig. Out (LED_GR)	

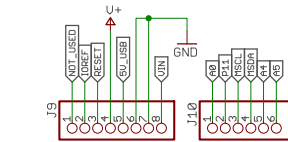
Connectors



Buttons



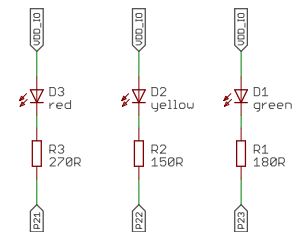
Arduino Footprint



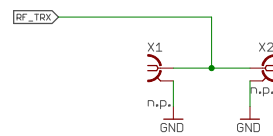
- D00: - / GPIO (UART0_RX)
- D01: - / GPIO (UART0_TX)
- D02: - / GPIO
- D03: dig. Input (SW1)
- D04: dig. Input (SW2)
- D05: dig. Input (SW3)
- D06: - / GPIO (I2C0_SCL)
- D07: - / GPIO (I2C0_SDA)
- D08: - / GPIO
- D09: dig. Input (SPI_ACK)
- D10: dig. Output (SPI_CS)
- D11: SPI0_MOSI
- D12: SPI0_MISO
- D13: SPI0_SCK
- D14: - / GPIO (UART1_TX)
- D15: - / GPIO (UART1_RX)

- A0: - / GPIO (ADC0 / I2C0_SCL)
- A1: - / GPIO (SPI1)
- A2: - / GPIO (MSEL)
- A3: - / GPIO (MSDA)
- A4: - / GPIO (ADC4 / I2C1_SDA)
- A5: - / GPIO (ADC5 / I2C1_SCL)

LEDs



RF Interface



Date	Name
30.05.2016	OL2385 Shield Board v2.1
Edit:	DM
Check:	Version 2.1 LID2245
File:	LID2245_OL2385_Shield_Board_2v1 Page: 1/1

NXP Semiconductors Hamburg