MICROCHIP MVCC_33 MVCC_33 L1 10uH GNR3015 47K 0402 C2 СЗ C1 10uF 0805 MVCC_33 MVCC_33 R2 JP1 RESETN MOUTPUT RSTn_M 49.9 0402 10uF 0805 VDD DESETA BEAD 0402 0.1uF 0402 C4 PORn GPIO 5 GPIO_2 GPIO_4 GPIO_6 GPIO_8 RSTn_M RESETn_M GPIO4_M GPIO6 M GPIO_5 GPIO_7 GPIO_9 GPIO9 M MVCC_33 GPIO 10 GPIO 11 BEAD 0402 MVCC 33 15 GPIO_10 17 GPIO_12 GPIO_14 GPIO_16 GPIO_13 GPIO_15 GND C5 19 21 23 25 27 29 31 33 35 C6__ C8 GPIO17 M C7 C9 GPIO_17 GPIO_19 GPIO 18 GPIO_10 GPIO_20 GPIO_22 GPIO_24 GPIO_21 GPIO_23 10uF 0805 0.1uF 0402 2.2u 0402 0.1uF 0402 PA00 VDDIO VDD 5V USB DM ADC_1_MM ADC_2_MM USB_DP_M PA01 GND USB_DP VDD_3V6 PAn2 PA25 VDD VDD VDD ADC 1 M Analog_S1 Analog_M1 GND PA03 PA24 ADC_2_M ADC_3_M GNDANA PA23 Analog S2 VDDANA Analog M2 SAML21G18B-AUT SPI_SSn_M PB08 PA21 DF40C-40DP-0.4V(51) 8 PB08 9 PB09 PA20 10 PA04 PA05 PA19 MVCC_33 MVCC_33 12 PA06 PA07 PA17 PA16 R4 MVCC_33 Y1 20pF R3 1K 0402 MVCC_33 JP2 1K 0402 12MHz I2C SCL M VDD I2C 1 SCL C10 C11 3 I2C_1_SDA 7 I2S_D I2S_CLK C13 I2S_CLK I2S_RL UART_1_Rx UART_1_CTS UART_2_TxRx UART 1 Tx 33pF 0402 2.2u 0402 33pF 0402 UART_1_RTS ____0.1uF 0402 MVCC_33 GND 13 GND 15 RESET_Opt CLK_Opt UART_3_Tx SPI_SCLK UART_2_TxD_M SPI_SCLK_M SPI_MOSI_M GND UART 3 Rx ADC_1_MM R5 1K 0402 ADC_1_M R7 SPI_MOSI SCSn_2 SPI MISO ADC_2_MM R6 1K 0402 ADC_2_M MVCC_33 1K 0402 21 23 SCSn_1 25 SCS1 JTAG_TCK JTAG_TDO JTAG_TRSTn 20-30DP-C SCSn_4 JTAG TDI ADC_3_MM R8 1K 0402 ADC_3_M SWD DAT M JTAG TMS R9 GND 220 0402 C14 C15 10nF 0402 49.9 0402 DF40C-30DP-0.4V(51) C16 10nF 0402

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10nF 0402

PA08 >>> I2C SDA

PA09 >>> I2C SCL

Modify

OK

Q1 2N3904 SOT-23

32.768KHz

C18

18pF 0402

C17

18pF 0402

LED_G 0603

47K 0402