

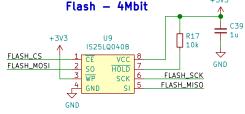
CDONE CRESET_B 8

IOB_35b_SPI_CSN 16

IOB_32a_SPI_SO 14 FLASH_MISO

IOB_33b_SPI_SI 17 FLASH_MOSI OB_34a_SPI_SCK 15 FLASH_SCK

FLASH_CS



25 MHz clock

EN MOUT

7

GND

X1 ASFL1-25.000MHZ-EC-T

CLK_25MHZ

+3V3

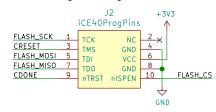
+3V3

 \rightarrow

GND

± C38

Programming header



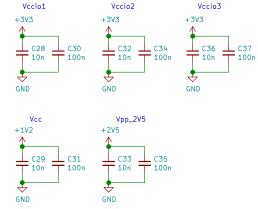
Bypass capacitors

IOT_51a 42 CH2_BIT_11

RGB0 41 CH2_BIT_10 CH2_BIT_9

RGB2 39 CH2_BIT_8

*bold labels are fixed

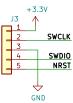


FPGA

Sheet: /FPGA/ File: FPGA.sch

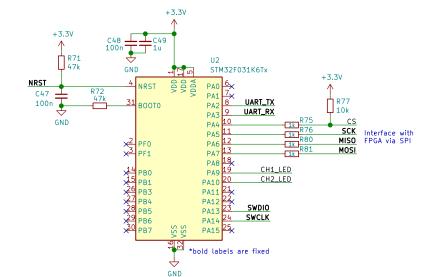
Title: Arbitrary function generator Size: A4 Date: 11.07.2019 Rev: 1.0 KiCad E.D.A. kicad (5.1.2)-2 Id: 3/5



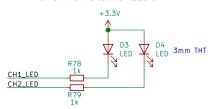


Debug header





Channel Status LEDs



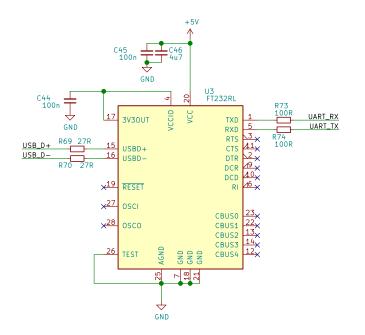
Interface with PC

Interface with FPGA

CS SCK MISO

MOSI





MCU & PC interface

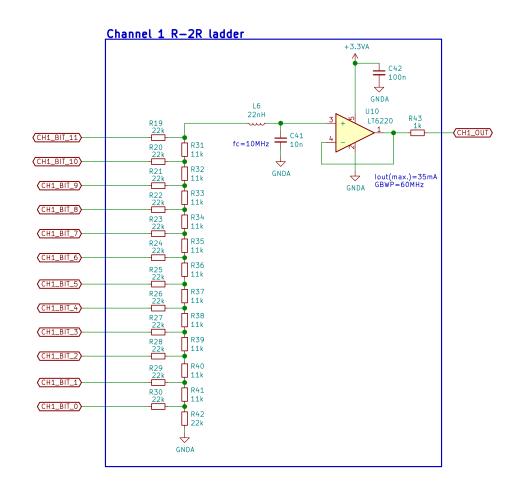
Sheet: /MCU/
File: MCU.sch

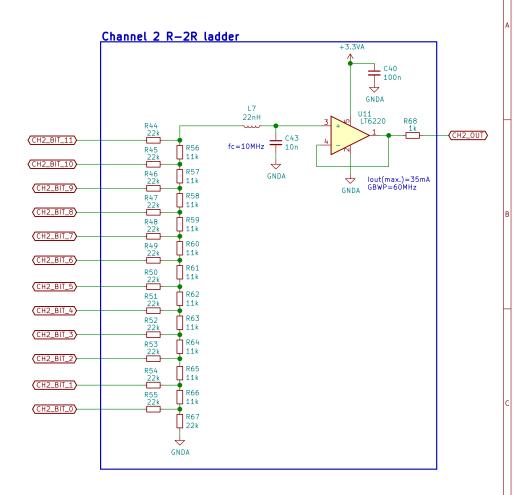
Title: Arbitrary function generator

 Size: A4
 Date: 11.07.2019
 Rev: 1.0

 KiCad E.D.A. kicad (5.1.2)-2
 Id: 4/5

12-bit DAC







Sheet: /DAC/ File: DAC.sch

Title: Arbitrary function generator

 Size: A4
 Date: 11.07.2019
 Rev: 1.0

 KiCad E.D.A. kicad (5.1.2)-2
 Id: 5/5