



## Control MOD1A NUCLEO-F429ZI MOD1B NUCLEO-F429ZI D16/PC6/I2S\_A\_MCK D15/PB8/I2C\_A\_SCL CN7\_3 D17/PB15/I2S\_A\_SD D14/PB9/I2C\_A\_SDA D43/PC8/SDMMC\_D0 IOREF AVDD CN7\_6 CN7\_5 D18/PB13/I2S\_A\_CK D44/PC9/SDMMC\_D1/I2S\_A\_CKIN CN8\_5 RESET GND\_CN7 CN7\_8 CN7\_7 D19/PB12/I2S\_A\_WS D45/PC10/SDMMC\_D2 CN8\_6 LEDR\_CNTRL CN8\_7 +3.3V EXT\_MEM\_CS CN7\_9 D20/PA15/I2S\_B\_WS D13/PA5/SPI\_A\_SCK CN7\_10 (SPI1\_SCL) D46/PC11/SDMMC\_D3 CN8\_8 LEDG\_CNTRL CN8\_9 +5V CN7\_11 D21/PC7/I25\_B\_MCK D12/PA6/SPLA\_MISO N7\_12/SPI1\_MISO D47/PC12/SDMMC\_CK CN8\_10 LEDY\_CNTRL CN8\_13 GND\_CN8 D11/ETH/PA7/SPLA\_MOSI/TIM\_E\_PWM1 CN7\_14 SPI1\_MOSI CN7\_13 D22/PB5/I2S\_B\_SD/SPI\_B\_MOSI D48/PD2/SDMMC\_CMD CN7\_15 D23/PB3/I2S\_B\_CK/SPI\_B\_SCK D10/PD14/SPI\_A\_CS/TIM\_B\_PWM3 CN7\_16 N8\_14/ALARM\_EN D49/PG2 D9/PD15/TIMER\_B\_PWM2 CN7\_18 NOT\_PAUSE CN7\_17 D24/PA4/SPI\_B\_NSS D50/PG3 CN7\_19 D25/PB4/SPI\_B\_MISO D8/PF12 CN7\_20 MOD1D NUCLEO-F429ZI D7/PF13 CN10\_2/EXT\_MEM\_WPI CN10\_ CN10\_3 CN10\_4 AGND D6/PE9/TIMER\_A\_PWM1 CONICO 27 GND\_CN10 D5/PE11/TIMER\_A\_PWM2 CN10\_6 CN10\_ A6/PB1/ADC\_A\_IN D4/PF14 CN10\_8 CN10\_9 A7/PC2/ADC\_B\_IN D3/PE13/TIMER\_A\_PWM3 (N10\_10 CN10\_11 A8/PF4/ADC\_C\_IN D2/PF15 N10\_12 CN10\_13 D26/PB6 D1/PG14/USART\_A\_TX CN10\_14 Power DO/PG9/USART\_A\_RX ON10\_16 PWR\_SRC N10\_15 D27/PB2 10 D42/PE8/TIMER\_A\_PWM1N CN10\_18 CN10\_19 D28/PD13 D41/PE7/TIMER\_A\_ETR (N10\_20 CN10\_21 D29/PD12 TODO:Connect CN10\_23 D30/PD11 D40/PE10/TIMER\_A\_PWM2N (N10\_24 D39/PE12/TIMER\_A\_PWM3N QN10\_26 PWR\_ON\_OFF N10\_25 D31/PE2 D38/PE14 ON10\_28 EXT\_MEM\_HRI TERMINAL\_SCREW\_8\_3.5mm CN10\_29 D32/PA0/TIMER\_C\_PWM1 D37/PE15/TIMER\_A\_BKIN1 (N10\_3) 3.3٧ BUZZ\_CNTRL N10 3t 033/PB0/TIMER\_D\_PWM1 CN10 35 034/PE0/TIMER\_B\_ETR 12V D36/PB10/TIMER\_C\_PWM2 CN10\_32 D35/PB11/TIMER\_C\_PWM3 QN10\_34 GND Sheet: /Connections/ File: Connections.sch Title: Connections Size: A4 Date: 2020-06-11 Rev: 0 **Pufferfish** KiCad E.D.A. kicad (5.1.6-0-10\_14) ld: 3/4

