



Sheet: / File: devo4f.sch
Title: Kicad E.D.A. kicad 4.0.0-rc1-stable
 Size: A4 Date: Rev: 1/1
 Id: 1/1

- GPIO:**
- *0: 5.8GHz Receiver channel0 pin
 - 1: Piezo speaker
 - 2: output 0, 0 to shut off Tx
 - in, off: position (goes high on "off")
 - *4: 5.8GHz signal strength
 - 5: SPI Flash Chip Enable
 - 6 (SPI1_MISO): SPI Flash, LCD
 - 7 (SPI1_MOSI): SPI Flash, LCD
 - 8: 5.8GHz Receiver channel pin
 - 9: 5.8GHz Receiver on/off
 - 10 (USART1_RX): Trainer Tx
 - 11 (USBDM) USB+
 - 12 (SWCLK) USB+
 - 13 (SWDIO) USB+
 - 14 (SWCLK) Debugger SWCLK (TCK)
 - 15 (SPI2_MOSI2): TxModule pin 7
- GPIOB:**
- 0: Chip Enable
 - 1: LCD Backlight
 - 2: (e0013): SPI Flash ChipEnable
 - *3: MISO Switch
 - 4: MISO Switch
 - 5: Button Matrix Col 1
 - 6: Button Matrix Col 2
 - 7: Button Matrix Col 3
 - 8: Button Matrix Col 4
 - 9: 5.8GHz Receiver on/off
 - 10: USB Enable (enable Low)
 - *11: Hold Switch
 - 12 (SPI2_MOSI2): TxModule pin 1
 - 13 (SPI2_MOSI2): TxModule pin 9
 - 14 (SWCLK) Debugger SWCLK (TCK)
 - 15 (SPI2_MOSI2): TxModule pin 7
- GPIOC:**
- IN_10: Right Vertical Stick
 - 1 (ADC_IN_11): Left Vertical Stick
 - 2 (ADC_IN_12): Left Horizontal Stick
 - 3 (ADC_IN_13): Right Horizontal Stick
 - 4: LCD Data / Command mode
 - 5: LCD Data / Command mode
 - 6: Button Matrix Row 1
 - 7: Button Matrix Row 2
 - 8: Button Matrix Row 3
 - 9: Button Matrix Row 4
 - 10: InMode Switch
 - *11: Hold Switch
 - 12 (SPI2_MOSI2): TxModule pin 1
 - 13: All D/R Switch
 - *14: Gear Switch
 - 15: TRN Switch

- Button Matrix:**
- B.5 Rudder TL
 - B.6 Rudder TR
 - B.7 Throttle TU
 - B.8 Throttle TD
 - NC Elevator TL
 - Ext Elevator TR
 - TL: Trim Left
 - TU: Trim Up
 - TR: Trim Right
 - TD: Trim down

- U?:**
- 7 NRST
 - 60 BOOT0
 - 5 PDD/OSC_IN
 - 6 PD1/OSC_OUT
 - 1 VBAT
 - 54 PD2/TIM3_ETR
 - 2 PC13/TAMPER_RTC
 - 3 PC14/OSC32_IN
 - 4 PC15/OSC32_OUT
 - 8 PC0/ADC12_IN10
 - 9 PC1/ADC12_IN11
 - 10 PC2/ADC12_IN12
 - 11 PC3/ADC12_IN13
 - 24 PC4/ADC12_IN14
 - 25 PC5/ADC12_IN15
 - 37 PC6 ButtonMatrixRow_1
 - 38 PC7 ButtonMatrixRow_2
 - 39 PC8 ButtonMatrixRow_3
 - 40 PC9 ButtonMatrixRow_4
 - 51 PC10 FMode0 Switch
 - 52 PC11 FMode0 Switch
 - 53 PC12 Hold Switch

- Receiver channel0:**
- 14 VDD
 - 15 VDD
 - 16 VDD
 - 17 VDD
 - 20 R?
 - 21 SPI1_SCK
 - 22 SPI1_MISO
 - 23 SPI1_MOSI
 - 41 SPI18GHz Receiver channel0 pin
 - 42 JTDI/PA15
 - 43 USART1_RX
 - 44 USART1_RX
 - 45 USART1_RTS
 - 46 JTM5/SWDIO
 - 49 JTCK/SWCLK
 - 50 5.8GHz Receiver channel2 pin
 - 26 ADC12_IN8
 - 27 ADC12_IN9
 - 28 BOOT1/PB2
 - 55 NJTRST
 - 56 Mx2 Switch
 - 57 Mx2 Switch
 - 58 Button Col1
 - 59 Button Col2
 - 61 Button Col3
 - 62 Off Rx
 - 63 Mx0 Switch
 - 64 Mx2 Switch
 - 65 Button Col1
 - 66 Button Col2
 - 67 Button Col3
 - 68 Button Col4
 - 69 USB Enable (enable Low)
 - 70 USB Enable (enable Low)
 - 71 Sck
 - 72 Miso
 - 73 Mosi
 - 74 CS 1
 - 75 SCK
 - 76 MOSI
 - 77 MISO
 - 78 MISO
 - 79 TX
 - 80 GND

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 - 2 PC13/TAMPER_RTC
 - 3 PC14/OSC32_IN
 - 4 PC15/OSC32_OUT
 - 8 PC0/ADC12_IN10
 - 9 PC1/ADC12_IN11
 - 10 PC2/ADC12_IN12
 - 11 PC3/ADC12_IN13
 - 24 PC4/ADC12_IN14
 - 25 PC5/ADC12_IN15
 - 37 PC6 ButtonMatrixRow_1
 - 38 PC7 ButtonMatrixRow_2
 - 39 PC8 ButtonMatrixRow_3
 - 40 PC9 ButtonMatrixRow_4
 - 51 PC10 FMode0 Switch
 - 52 PC11 FMode0 Switch
 - 53 PC12 Hold Switch