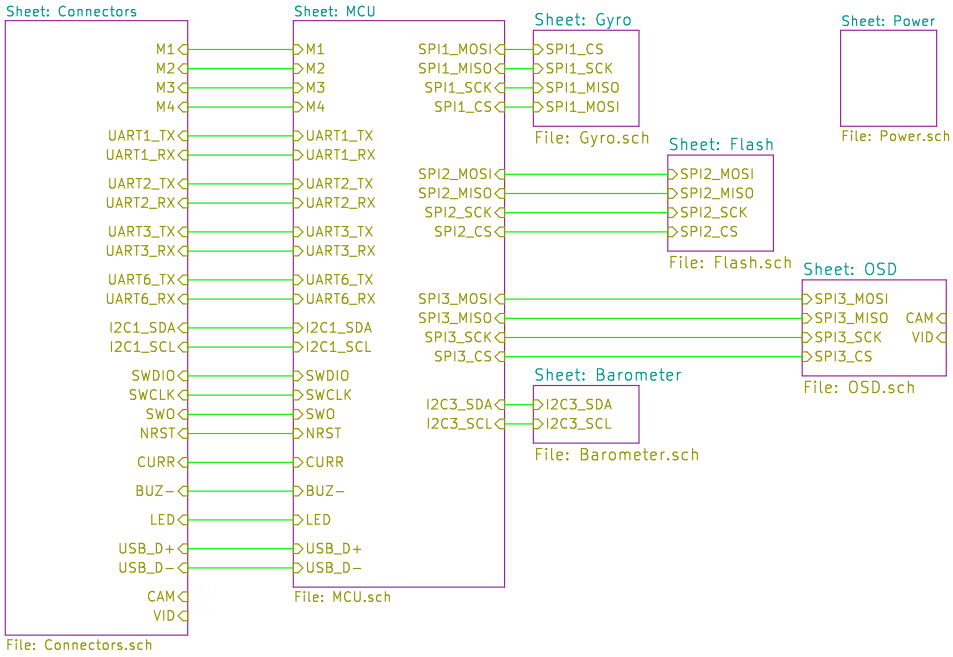
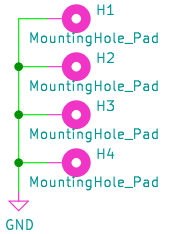
Main



Mounting Holes



Images

L3 L4 L5
USN EGA Arrow

Sheet: / File: F722-FC-V4.sch		
Title: F722 Flight Controller		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.6-0-10_14)		Id: 1/8

Figure 15. STM32F722xx LQFP64 pinout

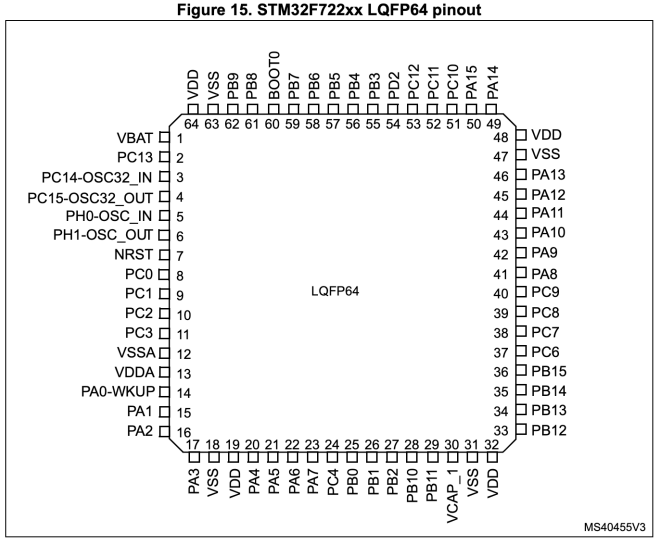
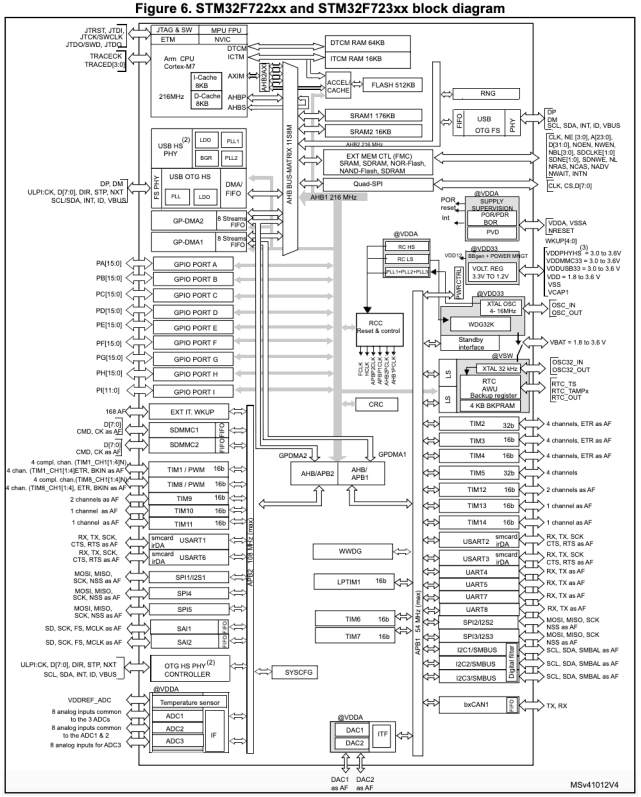
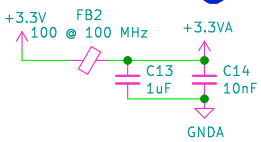


Figure 6. STM32F722xx and STM32F723xx block diagram

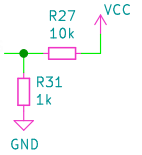


MCU

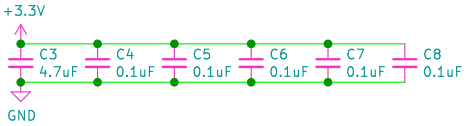
Analog Filtering



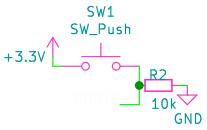
Voltage Sense



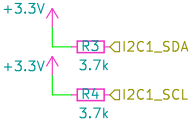
Input Filtering

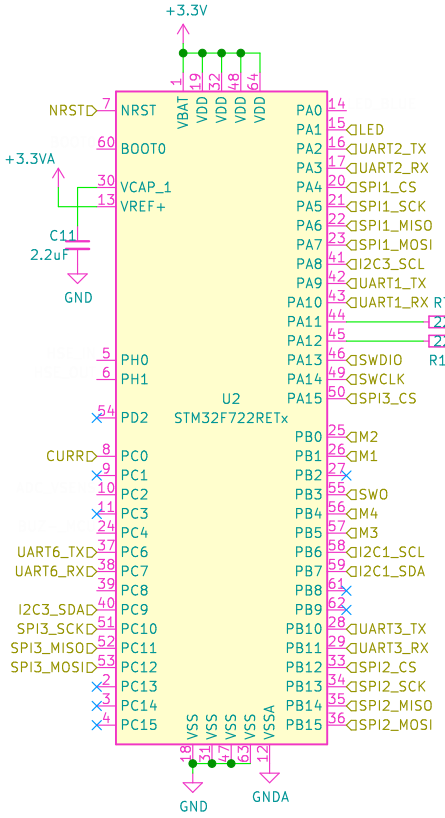


Button

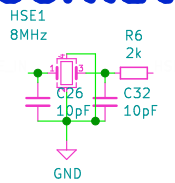


I2C PullUps

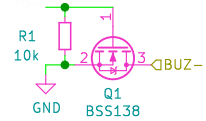




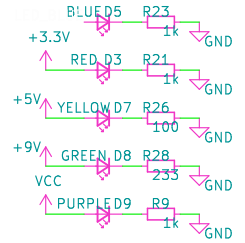
Oscillator



Buzzer

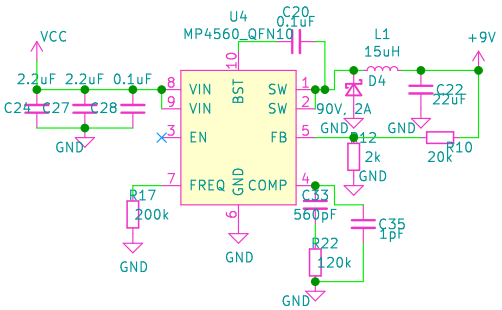


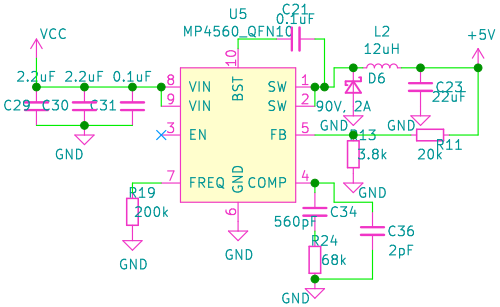
LEDs

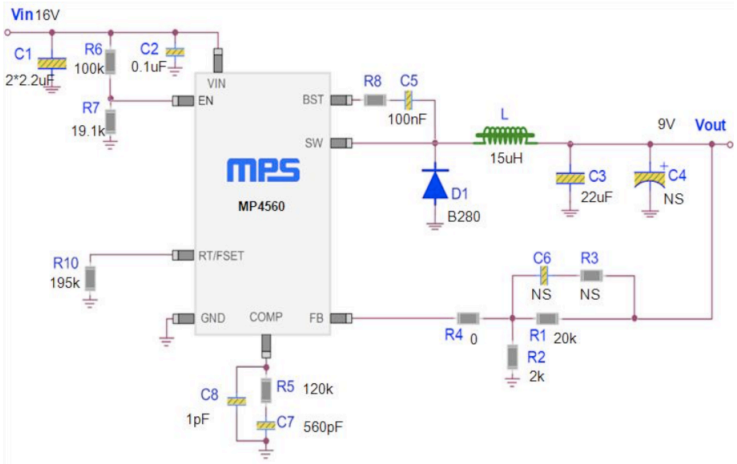


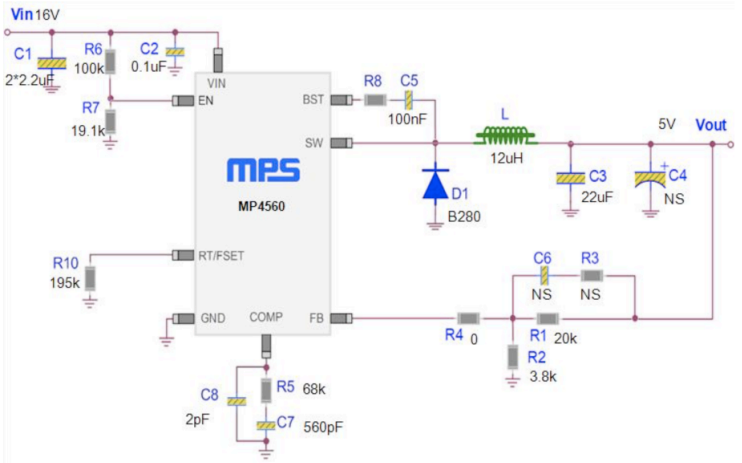
Sheet: /MCU/		
File: MCU.sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.6-0-10_14)		Id: 2/8

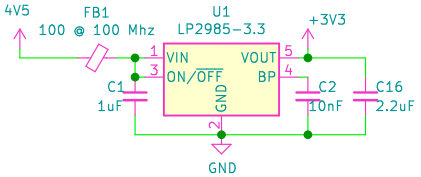
Power

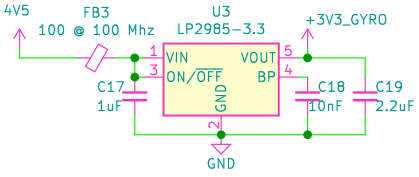


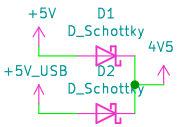


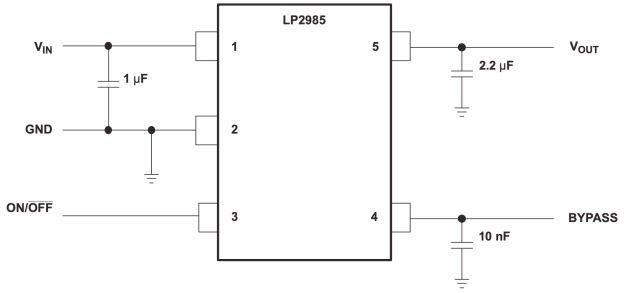












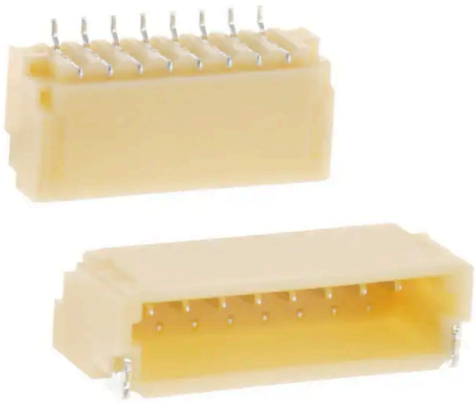
Sheet: /Power/
File: Power.sch

Title:

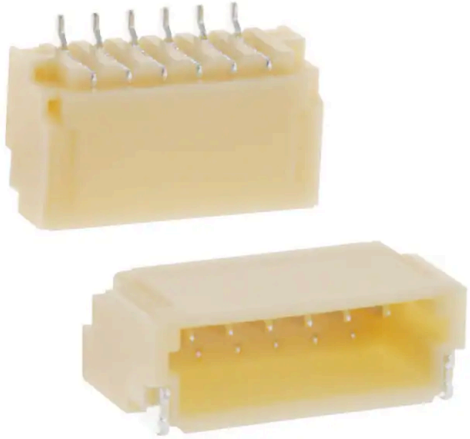
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.6-0-10_14)		Id: 3/8

Connectors

JST 8 Pin Conn

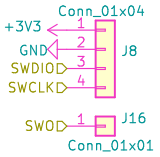


JST 6 Pin Conn

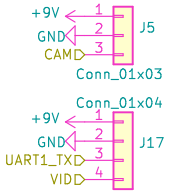


USB Conn

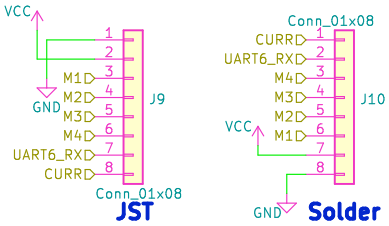
SWD



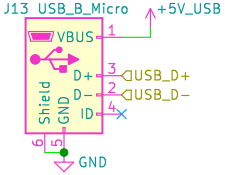
CAMERA



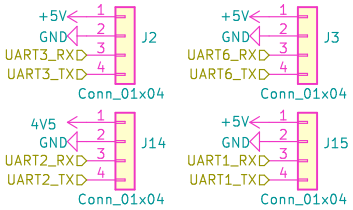
FC to ESC Harness



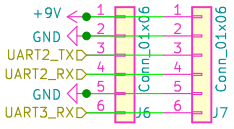
USB



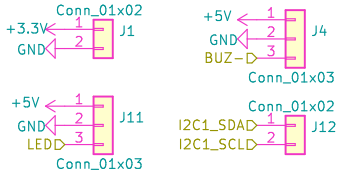
UARTS



DJI



Other

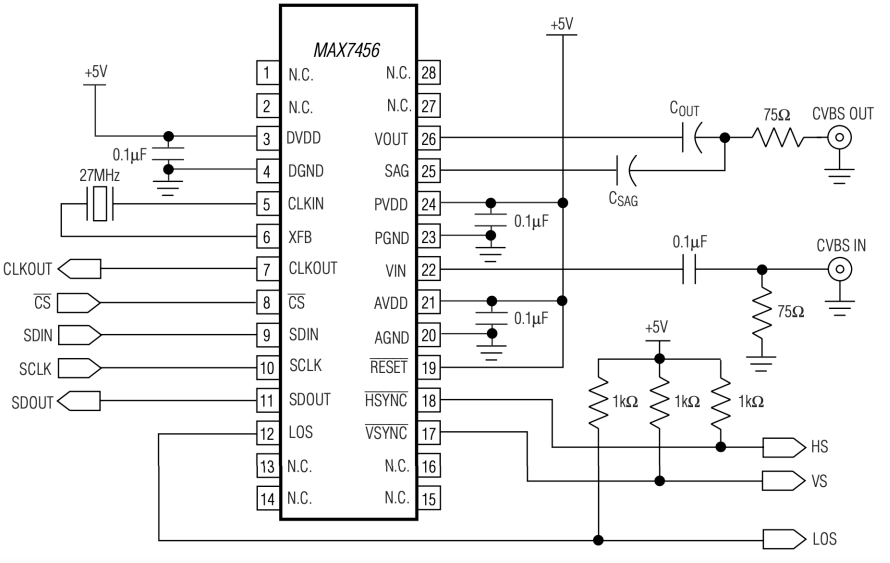


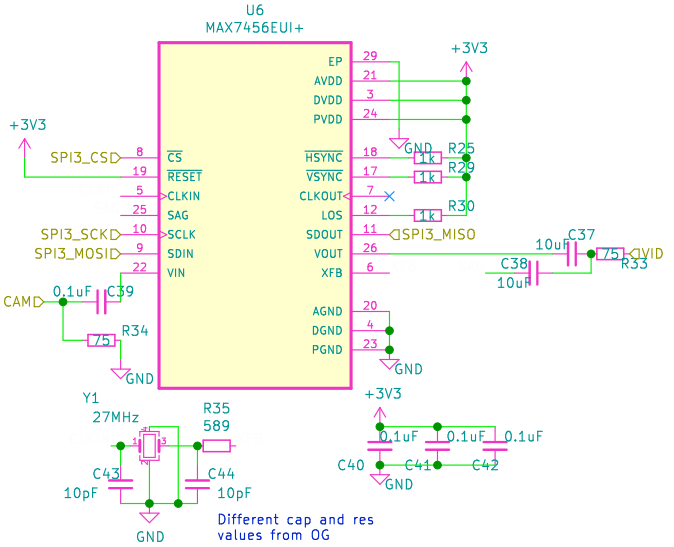
Sheet: /Connectors/
File: Connectors.sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.6-0-10_14)		Id: 4/8

OSD

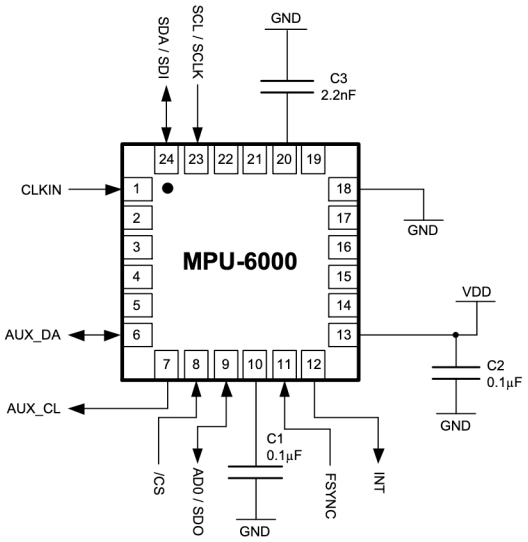


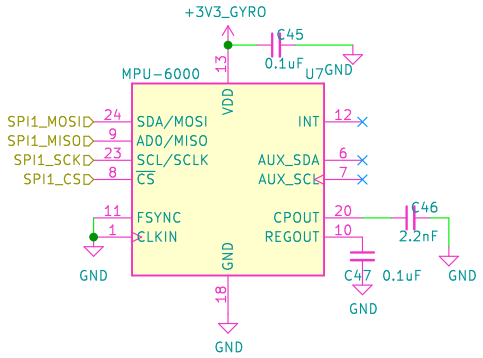


Sheet: /OSD/ File: OSD.sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.6-0-10_14)		Id: 5/8

Gyro

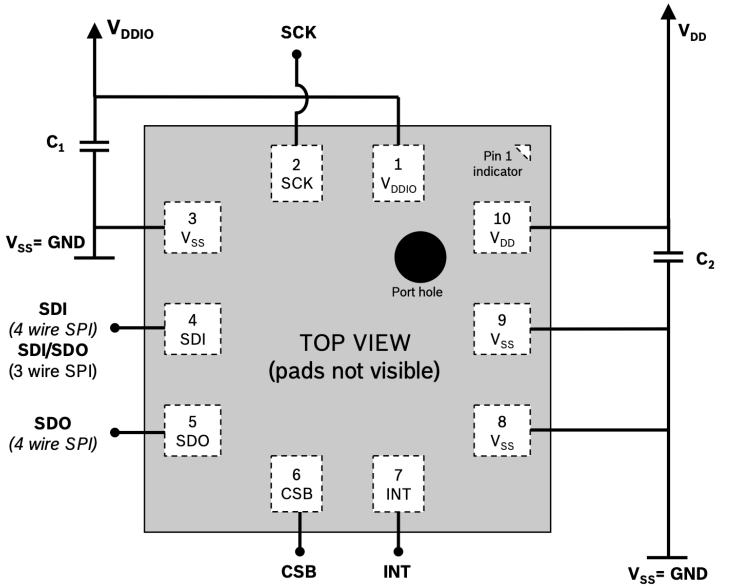
7.2 Typical Operating Circuit

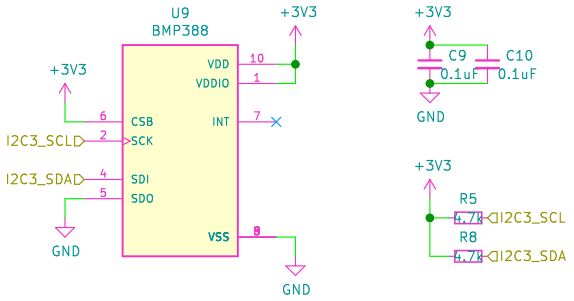




Sheet: /Gyro/		
File: Gyro.sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.6-0-10_14)		Id: 6/8

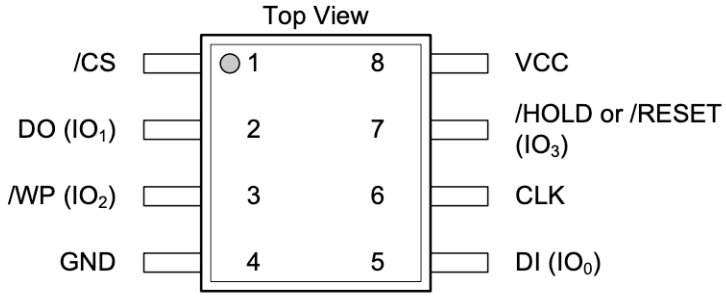
Barometer

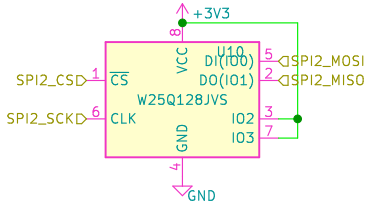




Sheet: /Barometer/		
File: Barometer.sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.6-0-10_14)		Id: 7/8

Dataflash





Sheet: /Flash/ File: Flash.sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad (5.1.6-0-10_14)		Id: 8/8