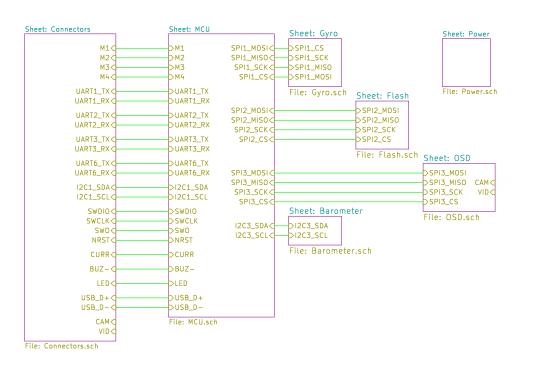
# Main



## Mounting Holes



## Images L3 L4 L5 USN EGA Arrow

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File: F722-FC-V4.sch

Title: F722 Flight Controller

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 Id: 1/8

#### Figure 15. STM32F722xx LQFP64 pinout 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 . 48 □ VDD 47 USS PC13 🗖 2 46 PA13 PC14-OSC32\_IN 4 3 45 PA12 PC15-OSC32 OUT 4 44 🏻 PA11 PH0-OSC\_IN 5 43 PA10 PH1-OSC\_OUT 6 NRST F 7 PC0 🗆 8 41 D PA8 LQFP64 40 PC9 PC1 🗖 9 PC2 1 10 39 D PC8 PC3 🗖 11 38 PC7 37 PC6 VSSA ☐ 12 VDDA ☐ 13 36 PB15 PA0-WKUP 14 35 PB14 34 🏻 PB13 PA1 🗖 15 33 D PB12 <del>-------</del> MS40455V3

Figure 6. STM32F722xx and STM32F723xx block diagram

GPIO PORT D

GPIO PORT E

GPIO PORT G

ADC1 ADC2 SRAM2 16KB

CRC

AHB/APB2 AHB/ APB1

UARTS

SP201252

SP201252

SP201253

MSv41012V4

## MCU

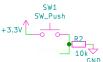
## Analog Filtering



## Voltage Sense



### **Button**



### **12C PullUps**



### **Oscillator**

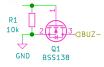




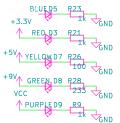
GND

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### Buzzer

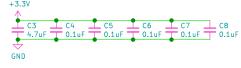


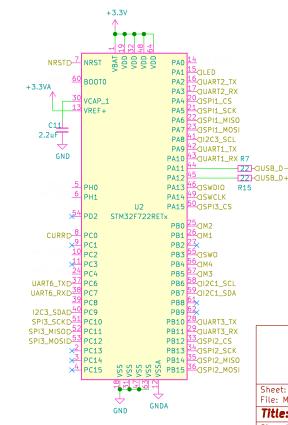
### **LEDs**



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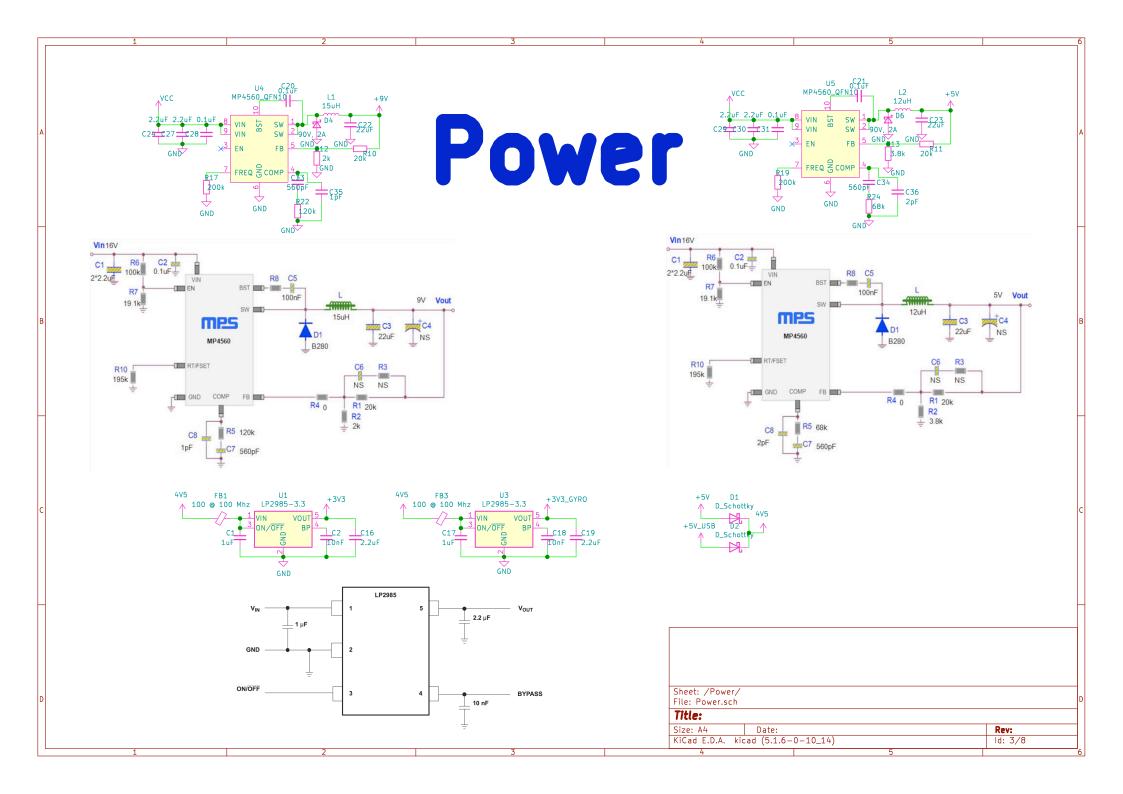
## Input Filtering





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File: MCU.sch

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Size: A4 Date: Rev:



## Connectors

JST 8 Pin Conn JST 6 Pin Conn

USB Conn







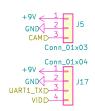




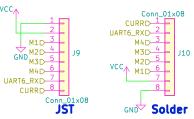
#### **SWD**



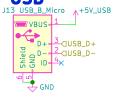
#### **CAMERA**



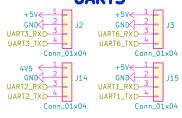
#### FC to ESC Harness

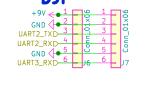


#### **USB**



#### **UARTS**





#### Other



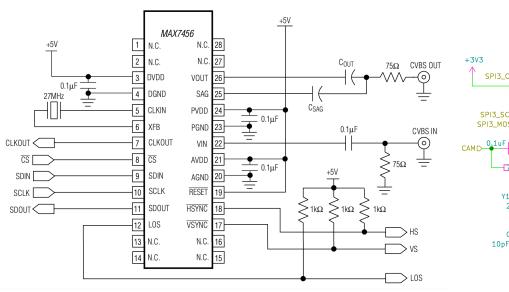


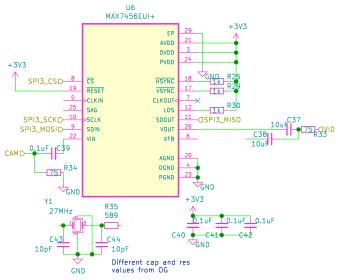
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## OSD





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File: OSD.sch

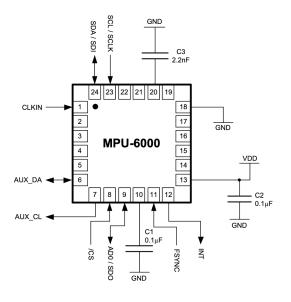
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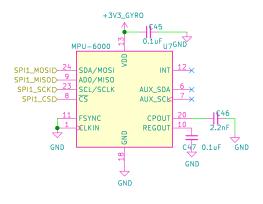
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# Gyro

#### 7.2 Typical Operating Circuit

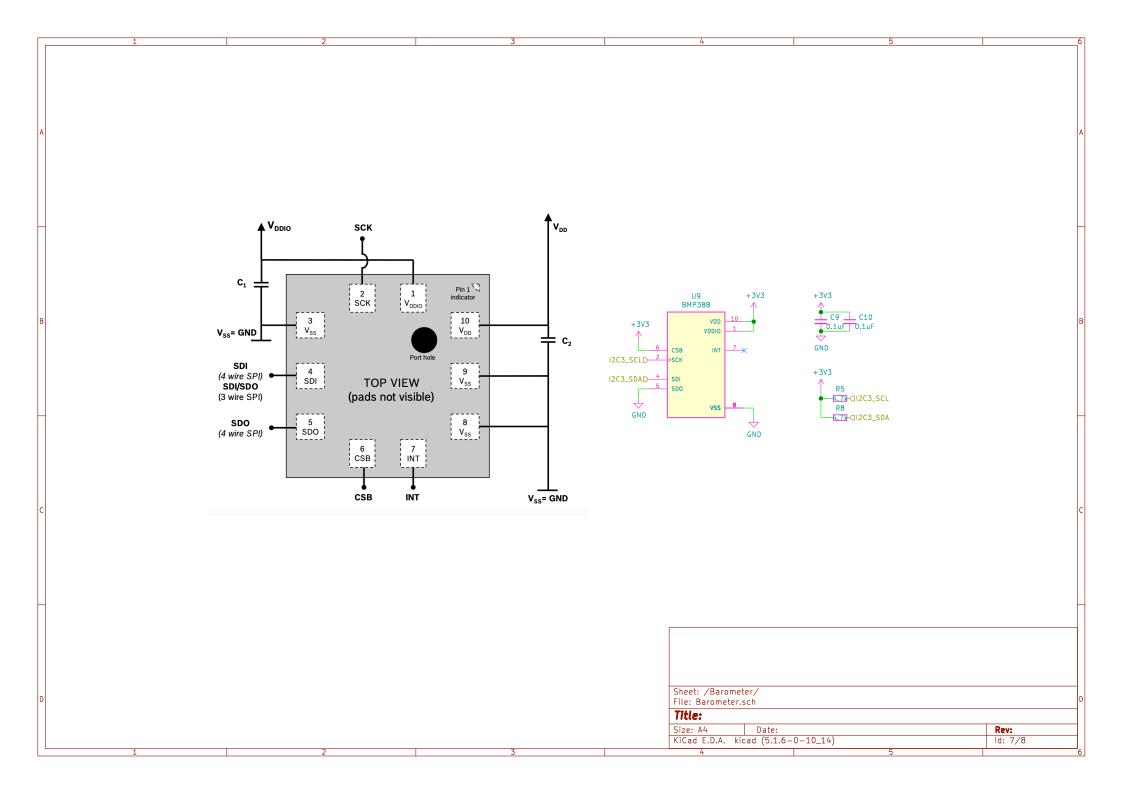




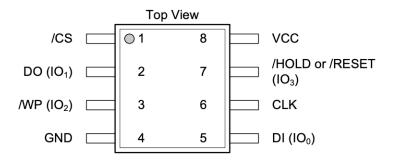
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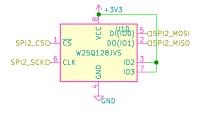
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## Dataflash





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