MCU, DAC, and Raspberry PI header

Sheet: analog

HV bias, SiPMs and pulse signal amplifiers on separate schematic sheet

File: analog.sch

Trigger – coincidence and separate channels

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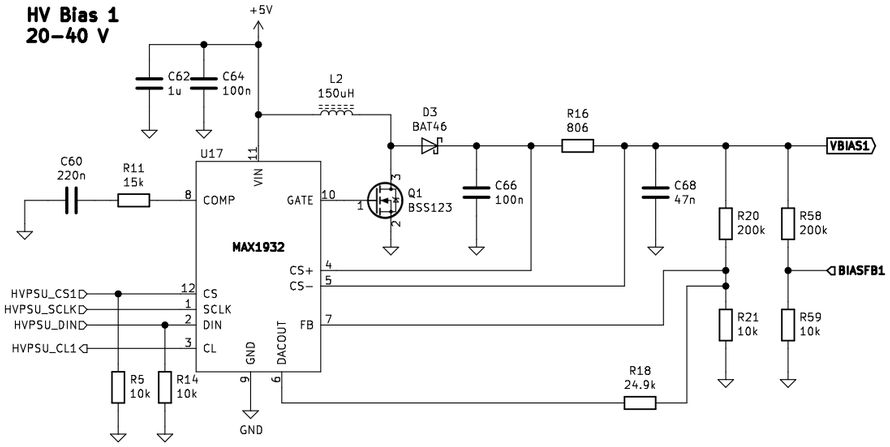
GPS module

Sensors: acceleration, magnetic field, temperature, humidity

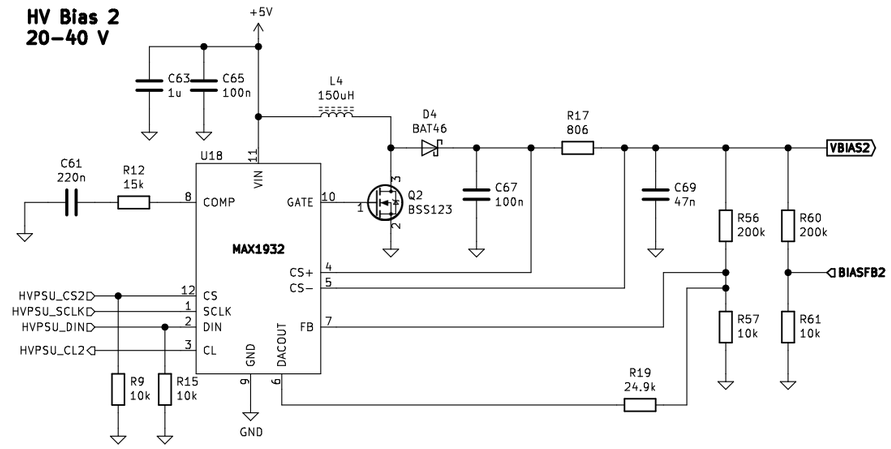
Power Supply and Indicator LEDs

Changes for V1.7 schematic Revised USB implementation Input protection diode + cap, added CW power supplies Removed interrupts from I2C devices to simplify routing Revisions to STM32 pins for bootloader and ESP8266 header	
Cosmic PI Project	
Sheet: / File: cosmicpi_1.7.sch	
Title: Cosmic PI	
Size: A3	Date:
KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu18.04.1	**Rev: 1.7** Id: 1/2

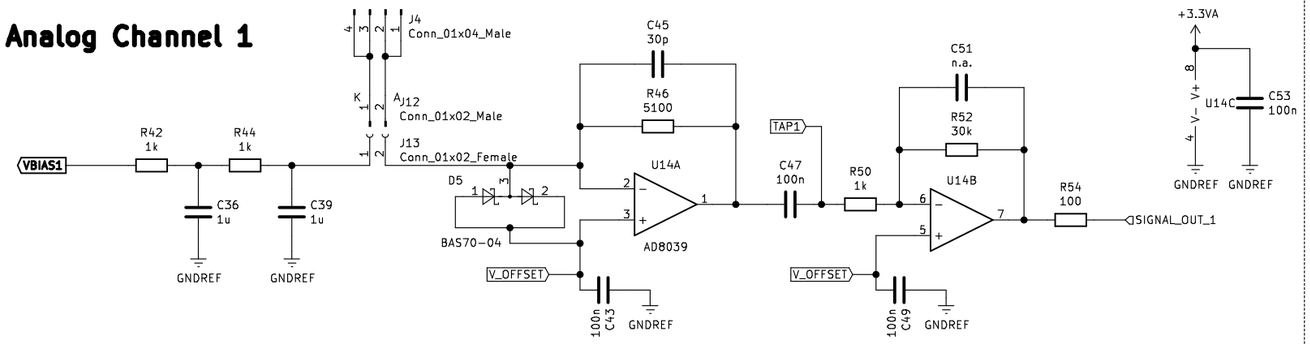
HV Bias 1
20–40 V



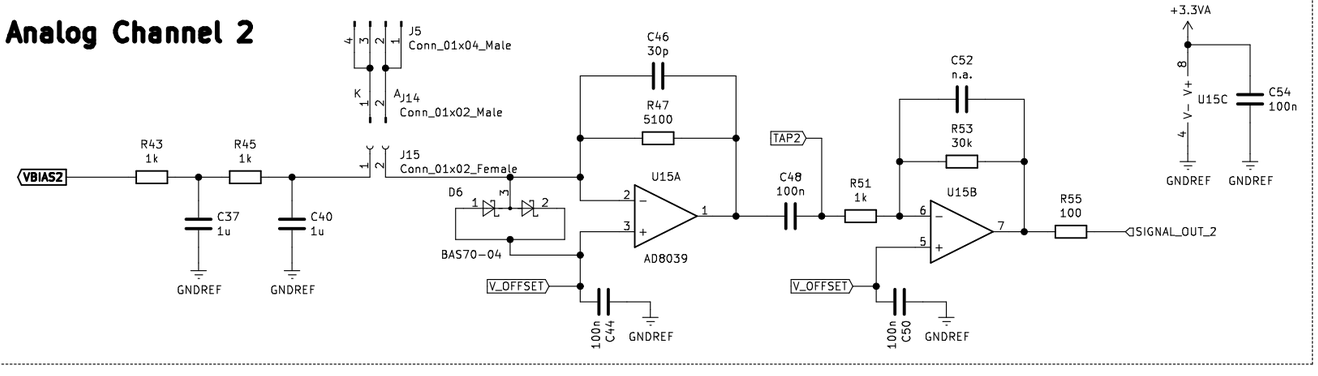
HV Bias 2
20–40 V



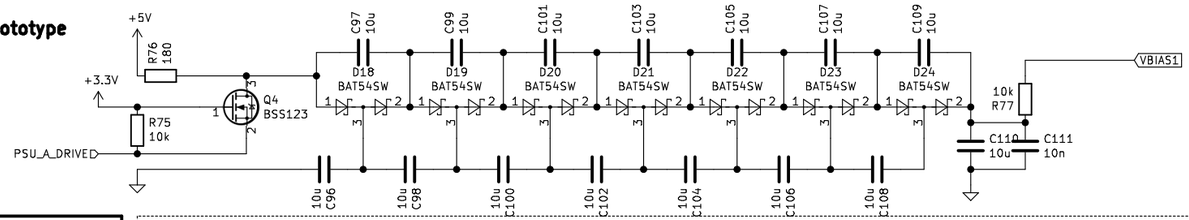
Analog Channel 1



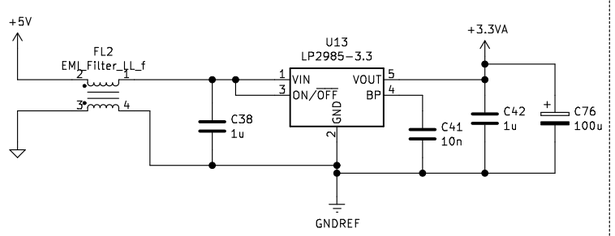
Analog Channel 2



CW PSU – prototype



Analog PSU – regulated and well filtered



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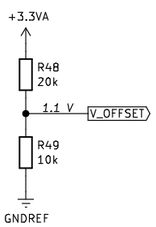
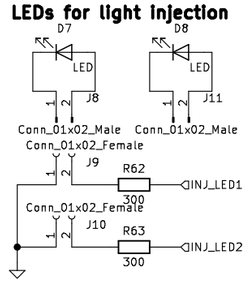
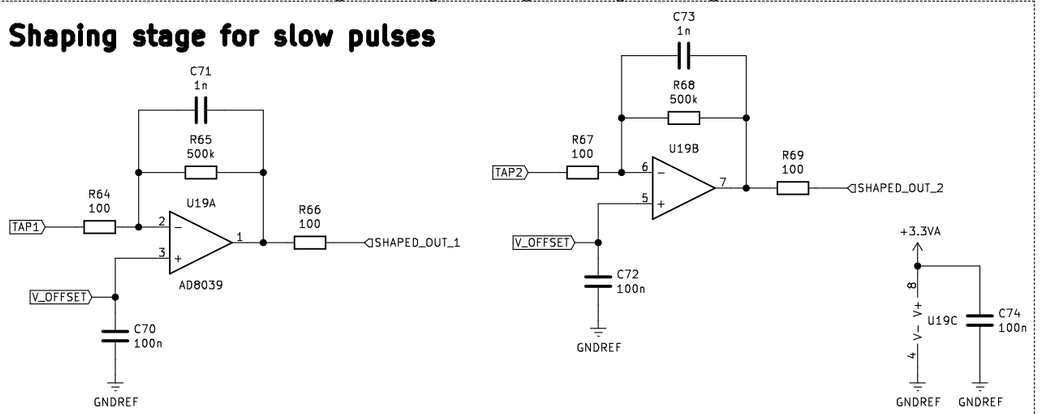
Offset voltage



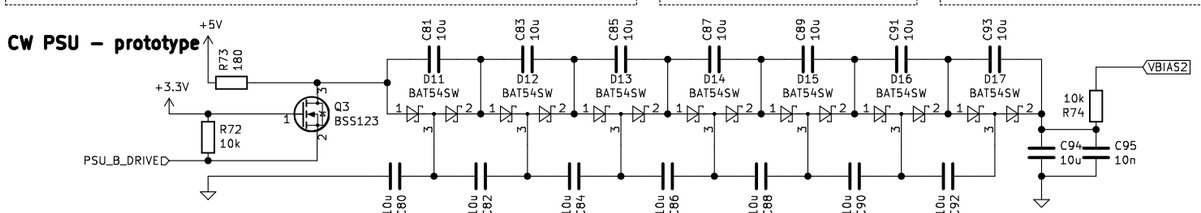
LEDs for light injection



Shaping stage for slow pulses



CW PSU – prototype



Cockcroft Walton Power supplies added.
These will be DNP in this production run.

Sheet: /analog/
File: analog.sch

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Size: A3	Date:	Rev:
KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu18.04.1		Id: 2/2