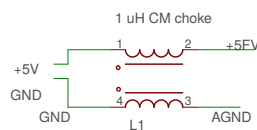


## Connections to Page 2

### Signal

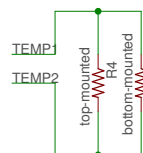
SIG2B  
SIG2A  
LEDB

### Power Supply



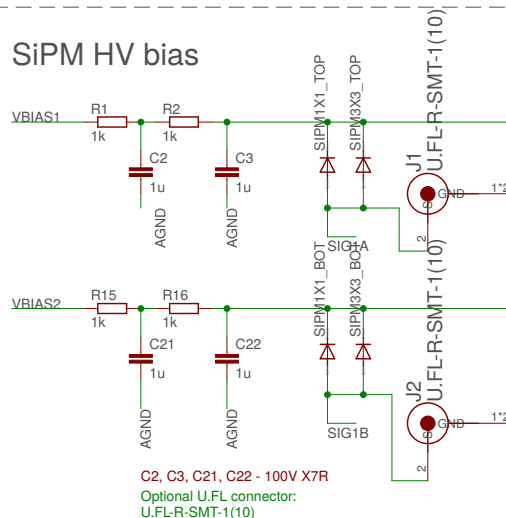
VBIAS1  
VBIAS2

### Temperature Sensor



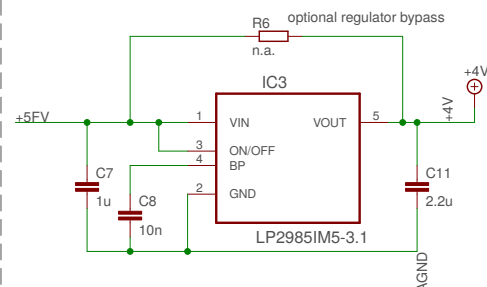
Sensor: Murata NCP15XH103F03RC

### SiPM HV bias

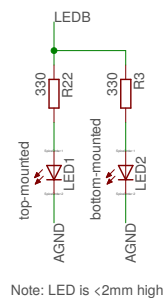


C2, C3, C21, C22 - 100V X7R  
Optional U.F.L connector:  
U.F.L-R-SMT-1(10)

### +4V Regulated Power Supply

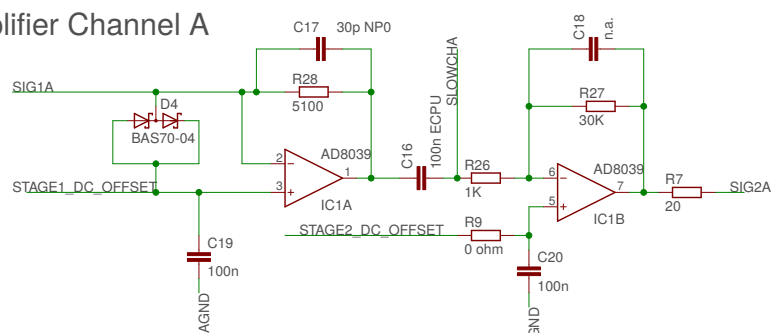


### Light Injection

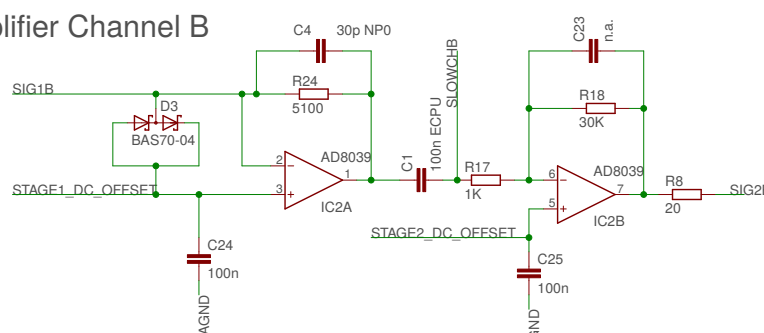


Note: LED is <2mm high

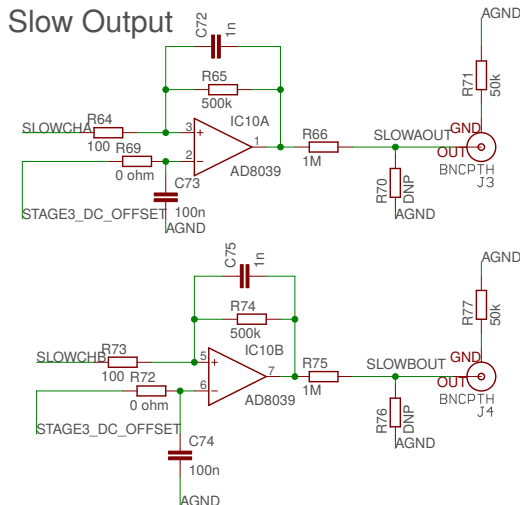
### Amplifier Channel A



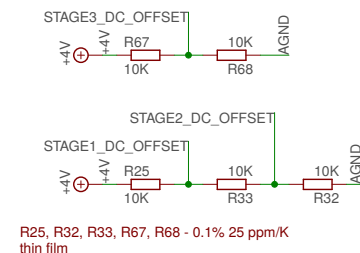
### Amplifier Channel B



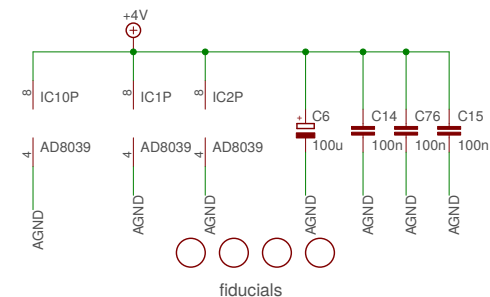
### Slow Output



### I, II and III stage amplifier offset voltages



R25, R32, R33, R67, R68 - 0.1% 25 ppm/K thin film



Modifications since version 2.X:  
Slow channel amplifiers added for ADC sampling;  
1mm2 Advansid SiPM footprint added.  
Combined with Main Board onto single PCB.

J. Devine, C. Cantini, N. Beev  
Team Cosmic Pi  
06.10.2017  
Version 2.5  
Released under CERN OHL V1.2

Cosmic Pi V2  
28.04.18 15:30  
Sheet: 1/2

