

Takes the VCC line, and increases the voltage to +32.5V.  
This HV line is used to provide the reverse bias to the SiPM. The SiPM sees 30V difference, as virtual ground is 2.5V



Takes the battery line and regulates the voltage to 3.3v for the logic electronics



This creates the 5V supply that we use for the reference for the TIA



Takes the 5V line and creates a 2.5V reference  
to detect dips when current pulses hit opp amp, using a shunt regulator



Amplifies, detects and registers the current pulse from the SiPM



Sets a stable voltage reference for the comparator



read it again



**Title:**

Size: A3	Date:
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