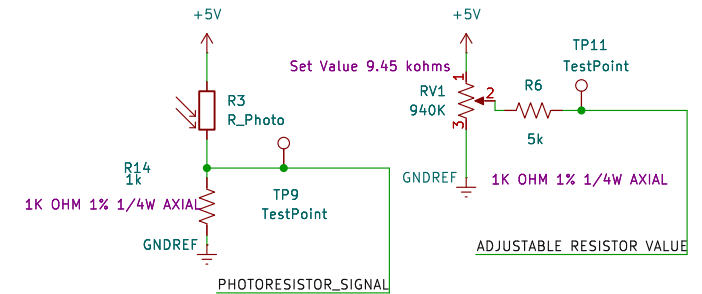


The diagram shows two circuit sections. The top section features an MCP6004 DC-DC converter (U3) configured as a voltage follower. It is powered by a 50V source through a 1kΩ resistor (R1). The input is connected to IN1 and VINB+, and the output (Vout1) is connected to RA0\_input. A feedback network consists of a 1kΩ resistor (R10) and an adjustable resistor (R5) connected to GNDREF. The bottom section shows a sensor interface (J2) connected to a +5V source and GNDREF. It includes a 0.1μF capacitor (C7) and a sensor output (Sensor\_Out) connected to ExtraSensor\_Out.

[illegible]

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