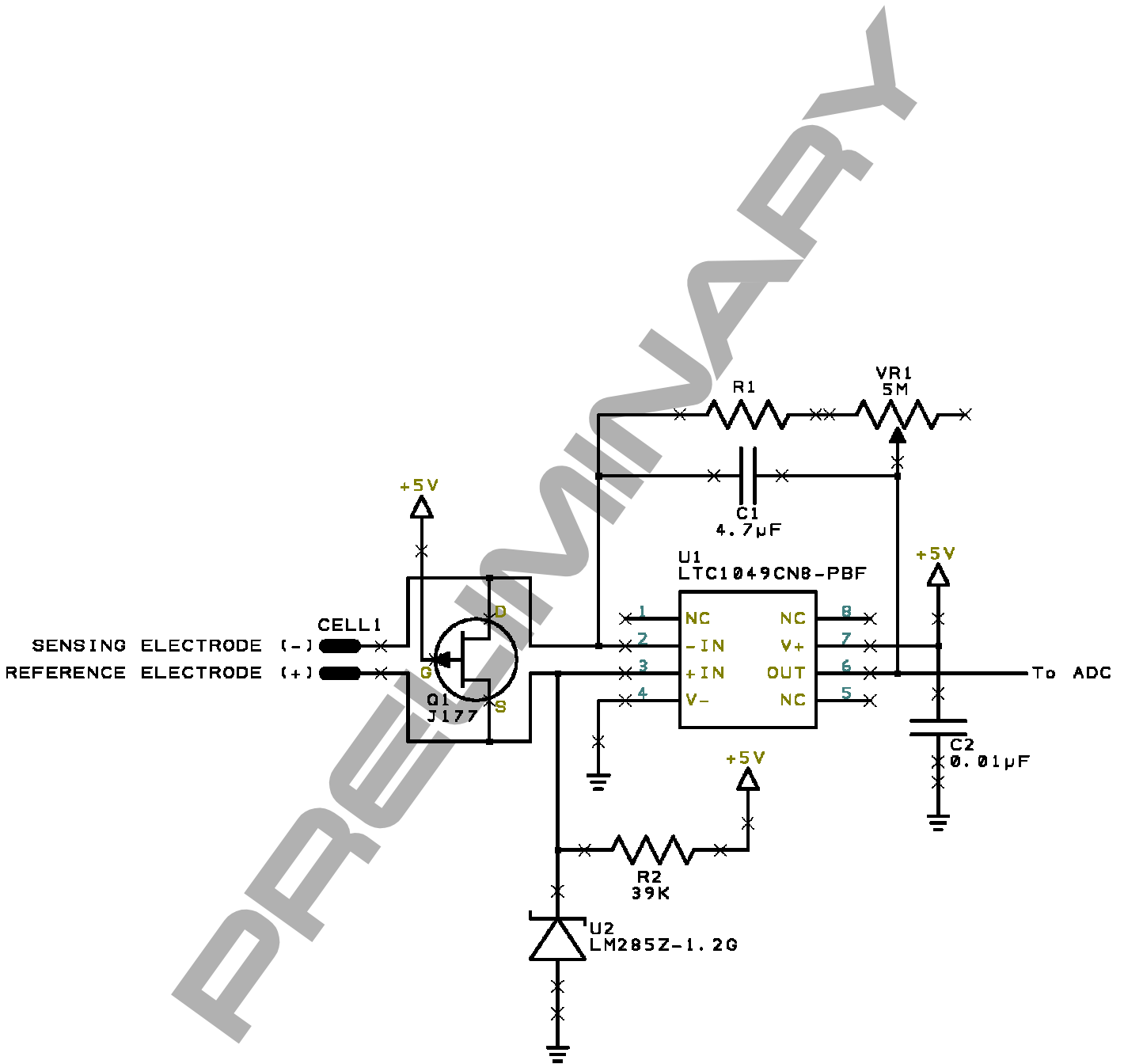


# APPLICATION CIRCUIT



Due to the sensor's small signal, the amplifier circuit is high-gain; circuit design and component choice is therefore critical. Calibration can be achieved either by physically adjusting the gain of the circuit (manually with a variable resistor or electronically with a digital potentiometer), or using a fixed circuit gain, known sensor sensitivity and a calibration calculation in software. The reference circuit above is available pre-built from Dart Sensors for development purposes. It incorporates a JFET to short the sensor, preventing offsets from building up when not in use. It also generates a virtual ground, a requirement when operating in single-supply environments.



