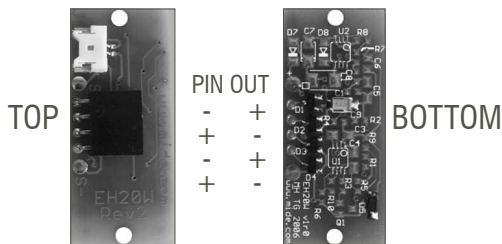


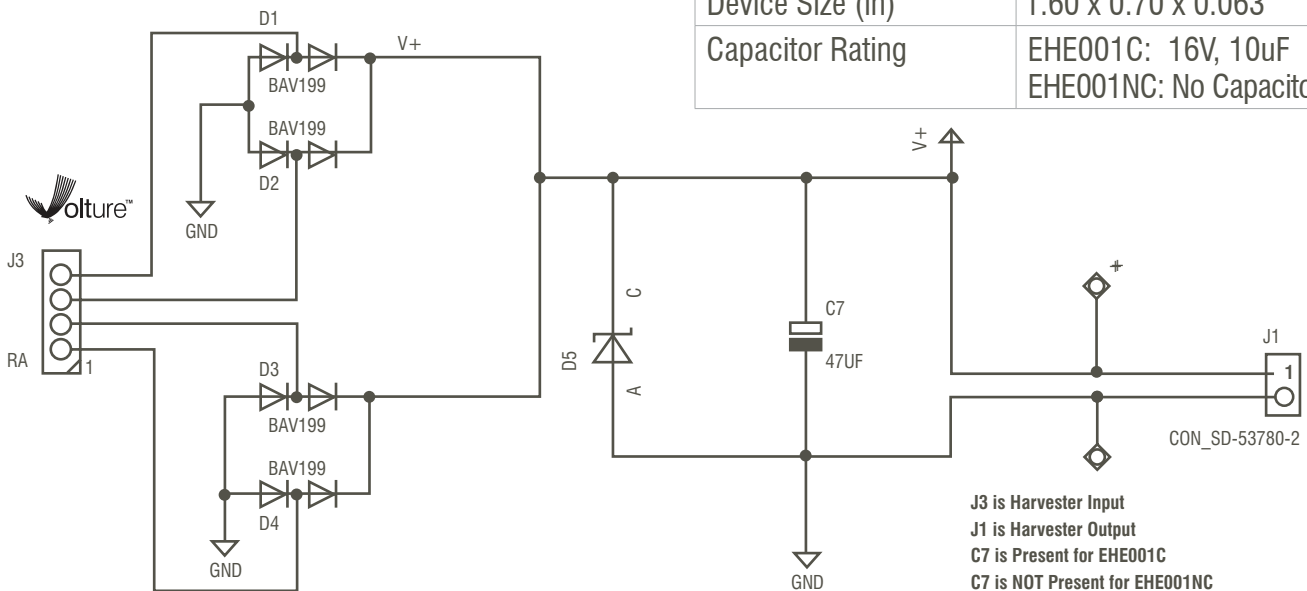
### PIN CONFIGURATION & OUTPUT

There is no difference between the pin configurations of the EHE001C and the EHE001NC Electronics. Both can be connected to any of the Midé Vulture Vibration Energy Harvesters. The diagram below shows that input orientation does not matter when connecting the Midé Vulture Vibration Energy Harvesters to the electronics.

The output of the harvesting electronics are the red and black wires with the red wire being the positive output and the black wire being the negative output. The voltage output of the electronics will be directly correlated to vibration environment that the Vulture™ energy harvester is witnessing. A more intense vibration environment will lead to higher voltage levels and vice versa.



### TYPICAL APPLICATION



### INFORMATION

The output of a cantilevered piezo element in the presence of a vibration is sinusoidal or AC (alternating current). Most sensors powered by an energy harvester require DC (direct current) power. Therefore, the raw AC output from the piezo needs to be converted from AC to DC. This process is done using a simple rectifying circuit.

Midé currently offers two forms of its power conditioning electronics, the EHE001C has a capacitive storage element, and the EHE001NC has no capacitive storage element. More sophisticated electronics are available for directly powering sensors and charging specific batteries.

**For further information please contact;**

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### SPECIFICATIONS

Piezo Elements Supported	2
Rectifiers	2 (one per piezo element)
Device Size (in)	1.60 x 0.70 x 0.063"
Capacitor Rating	EHE001C: 16V, 10uF EHE001NC: No Capacitor