LM34CAZ – Silicon Temperature Sensor

The LM34CAZ is the most accurate version of the LM34 precision temperature sensor made by Texas Instruments. It has a very convenient output of 10mV per °F, so 0.78V would correspond to 78°F. Customers who are using thermocouples on an external CB37 terminal board can use this sensor to determine the cold junction compensation(CJC) temp. Simply connect +Vs to LabJack VS, GND to LabJack GND, and Vout to a LabJack AIN terminal (FIO/EIO is best on the U3).

- Typical Accuracy **±0.4°F**
- Operating Range **-40°F* to +230°F**
- Output Voltage **10mV/°F**

This sensor is not manufactured by LabJack, so the LM34 datasheet is hosted by Texas Instruments. Some soldering may be necessary to add length to the sensor wires. For more details about this sensor and a detailed look at different kinds of temperature sensors, see our temperature sensor app note.

*When powered by a LabJack device VS/GND, the range will be limited to 0 to 230 °F

RoHS:

Yes

Compatibility :

T7

T7-OEM

T7-Pro

T7-Pro-OEM

U12

U12-NTH

U12-PH

U3-HV

U3-HV-OEM

U3-LV

U3-LV-OEM

U6

U6-OEM

U6-Pro

U6-Pro-OEM

UE9

UE9-Pro