



# INA219

## CJMCU-219 I2C Power Supply Monitoring Module



- 0.1 ohm 1% 2W current sense resistor
- Up to +26V target voltage
- Up to  $\pm 3.2\text{A}$  current measurement, with  $\pm 0.8\text{mA}$  resolution
- Senses Bus Voltages from 0 to 26 V
- 2C- or SMBus-compatible interface. The
- Reports Current, Voltage, and Power.
- Calibration programmable registers can directly read its unit of measure is the ampere current, and power in watts per reading.
- For as many as 128 samplings averaging, in order to realize filter in the noise environment.
- The I2C interface has a timeout, not only can avoid the bus lock, but also can provide high-speed mode, meet the communication requirements of up to 3.4 MHz.
- All features are supported software programmable INA219.
- Using a single power supply, the working voltage is between + 3.0 to + 5.5 V.