INA219

CJMCU-219 I2C Power Supply Monitoring Module

• 0.1 ohm 1% 2W current sense resistor
• Up to +26V target voltage
• Up to ±3.2A current measurement, with ±0.8mA 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.