

NCP785A Family of Wide Input Voltage Range 10 mA Ultra-Low Iq, High PSRR Linear Regulators



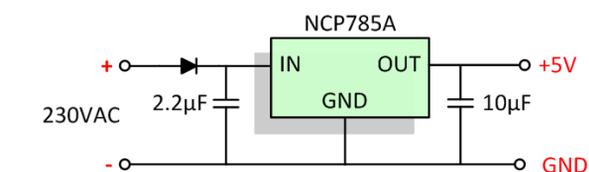
- 45V to 450V recommended V_{IN} range allows to operate directly from rectified 120VAC/230VAC mains voltage.
- Ultra-Low Quiescent Current of Typ. 10 μ A helps to minimize system standby power consumption.
- Very-High PSRR of Typ. 80dB at 120Hz allows for effective filtration of mains AC ripple.
- Option with dedicated enable pin simplifies output voltage ON/OFF control
- Small size package options allow to shrink the PCB area when compared to Capacitive Dropper solution.

Package Offering:

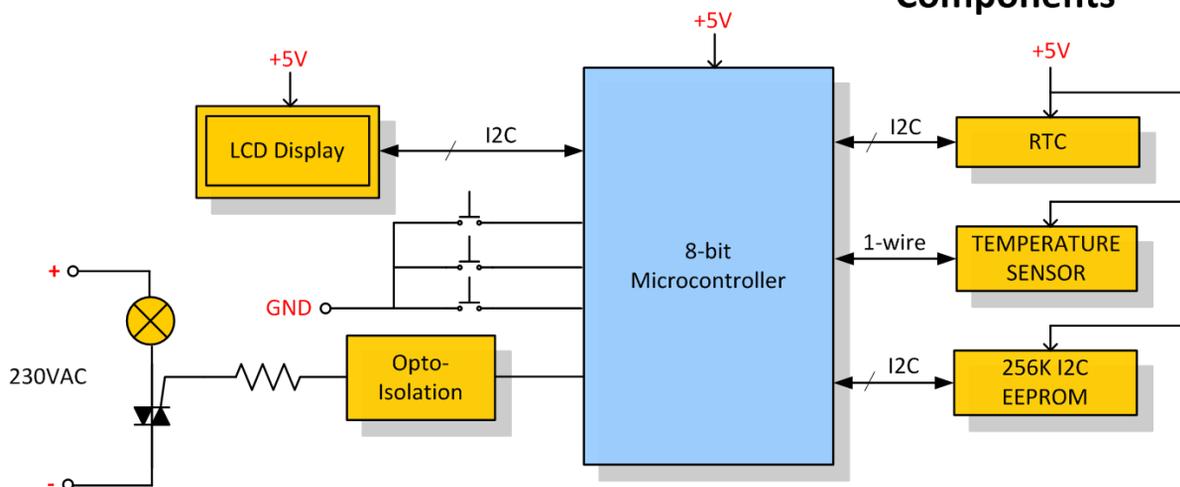
SOT89-3



Temperature Sensor with LCD display Demo



NCP785A Provides +5V Power Rail for All Embedded System Components



LCD Display Demo Description

NCP785A provides power to a simple embedded system where MCU is responsible for:

- Reading and storing the temperature data.
- Controlling the information displayed on the LCD.
- Reading the current time/date information from the
- Triggering the triac to turn ON/OFF the AC load.

