

ON Semiconductor®



Part Number: STR-NCP171-EVK

**Description:** NCP171 - 80mA Dual Power Mode LDO with Fixed Output Voltage From 0.6V to 3.3V Eval Kit

The STR-NCP171-EVK provides an evaluation kit for the NCP171 series of 80 mA dual mode XDFN4 package LDOs with a fixed output voltage range from 0.6 V to 3.3 V. In low power mode, the NCP171 can achieve a quiescent current as low as 50 nA, and the output voltage can be lowered by an internally programmed value of 50 mV, 100 mV, 150 mV, and 200 mV. The ultra-low quiescent current and dual mode capability make this LDO optimized for battery powered or low power applications. This evaluation kit can be used in tandem with the Strata environment GUI which can enable/disable the LDO, switch between Active mode and low power mode, as well as monitor other telemetry on the platform, including input/output voltage, power dissipated, and temperature



## Features and Applications

### Features

- Vin range from 1.7V to 5.5V
- Max load range of 80mA
- Vout range from 0.6V to 3.3V
- Super low quiescent current of 50nA
- Dual power mode for more power savings
- Factory programmed output voltage offset between Active/Low Power mode

### Applications

- DC-DC Power
- Battery Powered Devices
- IoT
- Analog and RF