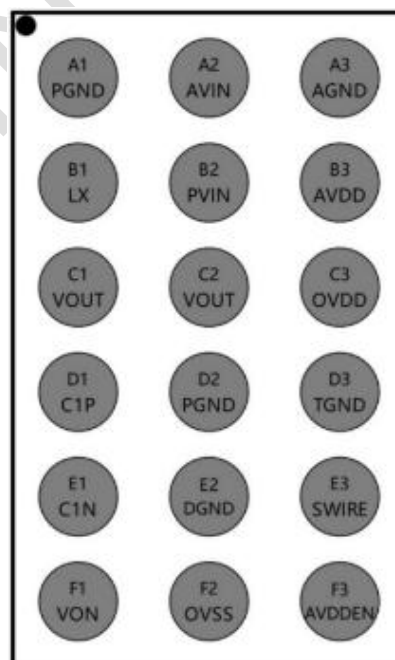


EPC9988 is directly powered by a single lithium battery, 3-channel outputs AMOLED power management device mainly for wearable applications. EPC9988 integrates one boost converter, one inverting charge pump and three LDO to provide AVDD, OVDD and OVSS three power rails for LTPS or LTPO technology based AMOLED displays. All three output voltages are digitally controllable through two control interface pins, AVDDEN and SWIRE. EPC9988 is available in 2.5mmx1.29mm, 18-pin WLCSP packaging with short circuit, overload and over-temperature protections.

Features

- Supply Voltage Range: 2.9V to 5.5V
- Positive OVDD Voltage from 2.8V to 4.0V
 - 80mA Output Current Capability
- Negative OVSS Voltage from -0.6V to -4.5V
 - 80mA Output Current Capability
- Positive AVDD Voltage from 2.8V to 3.6V
- 20mA Output Current Capability
 - 1x VON Negative Charge Pump
- Excellent Line and Load Transient or Regulation
- Discharge/ Hi-Z Function
- Low Quiescent Current <1 μ A in Shutdown Mode
- UVLO, OCP, UVP, OTP Protection
- Packaging: WLCSP-2.5 x 1.29-18B



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