



NCP6922C: Mini-PMIC, 2 x 0.8 A DC-DC and 2 x 150 mA LDOs, I2C

Overview Specifications Packages Applications

»View Material Composition

»No Product Change Notifications exist



Product Overview

Product Description

The NCP6922C is part of the ON Semiconductor mini-power management IC family. It is optimized to supply battery powered portable application subsystems such as camera function, microprocessors, etc. This device integrates two high efficiency 800 mA step-down DC to DC converters with DVS (Dynamic Voltage Scaling) and two low dropout (LDO) voltage regulators in 4x4 mm 20 pins WQFN package.

Features

- Small package 2.46 x 2.06 mm
- Ultra low quiescent current (82 uA typ)
- Two DC-DC converters, efficiency 95%, programmable output voltage from 0.6 V to 3.3 V by 12.5 mV steps, 800 mA output current capability
- Two low noise, low dropout regulators, programmable output voltage from 1.0 V to 3.3 V by 50 mV steps, 2 x 150 mA and output current capability, 50 uVrms typical low output noise
- Low voltage DC rails power management
- Power supply for processor with low core voltage

Benefits

- Reduce PCB space
- Save battery life

Applications

- Battery and USB powered applications power management
- Camera module

End Products

- Cellular phones, smart phones, tablets and PDAs
- MP3 players, portable audio systems, gaming system

Technical Documentation & Design Resources

[Package Drawings \(1\)](#)

Availability and Samples

Product	Status	Compliance	Description	Package		MSL*	Container		Budgetary /
				Type	Case Outline		Type	Qty.	
NCP6922 CBMTTXG	Active	Pb-free Halide free	Mini-PMIC, 2 x 0.8 A DC-DC and 2 x 150 mA LDOs, I2C	WQFN-20	510AV	1	Tape and Reel	3000	
NCP6922 CCMTTXG	Active	Pb-free Halide free	Mini-PMIC, 2 x 0.8 A DC-DC and 2 x 150 mA LDOs, I2C	WQFN-20	510AV	1	Tape and Reel	3000	

Moisture Sensitivity level (MSL) for surface mount devices (lead free measured at 260°C reflow, non lead free at 235°C reflow)

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NCV890104
NCV890204 :
 Automotive Switching Regulator, Buck, 1.2 A, 2 A, 2 MHz, Spread Spectrum

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- Adjustable spread spectrum
- Internal N-Channel Power Switch

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