

NCP81530

8+2 Phase Output Controller with SVID Interface for Desktop Computer CPU Applications

Product Overview

For complete documentation, see the data sheet.

The NCP81530 and NCP81530R are dual rail, eight plus two phase buck solutions optimized for Intel®'s IMVP9.1 Rev0.9 and Rev0.95 CPU's respectively. The multiphase rail control system is based on DualEdge pulsewidth modulation (PWM) combined with DCR current sensing or smart power stage current sensing. These features provide an ultrafast initial response to dynamic load events and reduced system cost. The NCP81530 has an ultralow offset current monitor amplifier with programmable offset compensation for high accuracy current monitoring.

Features

- Feature 1

Applications

- Desktop Computer CPU Applications

End Products

- Desktop Computer CPU

Part Electrical Specifications

Product	Status	Compliance	Topology	Phases	Control Mode	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	f <sub>sw</sub> Typ (kHz)	Package Type	Case Outline	MSL Type	MSL Temp (°C)	Container Type	Container Qty.
NCP81530MNTXG	Active	<div><div>H</div><div>Pb</div></div>	Step-Down	-	-	4.75	5.25	-	QFN-56	485BT.PDF	1	260	REEL	2500