

# TMS320F28027PTT

# MCU 32-bit C28x RISC 64KB Flash 3.3V Automotive 48-Pin LQFP Tray

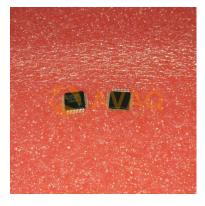
Manufacturer: <u>Texas Instruments, Inc</u>

Package/Case: LQFP48

**Product Type:** Embedded Processors & Controllers

RoHS: RoHS Compliant/Lead free RoHS

**Lifecycle:** Active



Images are for reference only

Inquiry

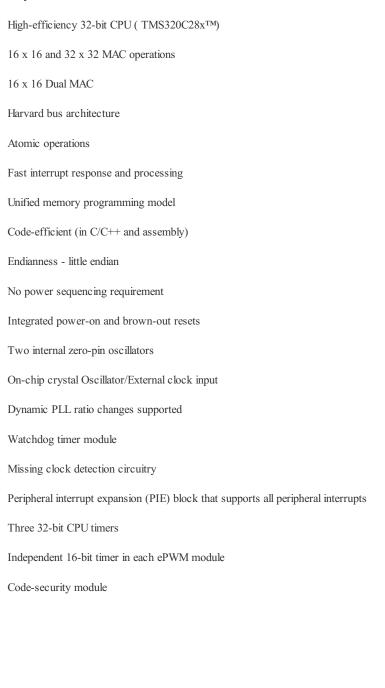
# **General Description**

The LP8733xx-Q1 is designed to meet the power management requirements in automotive applications. The device has two step-down DC/DC converters (which can be configured as a single dual-phase regulator or two single-phase regulators), two linear regulators, and two general-purpose digital-output signals. The device is controlled by an  $I^2$ C-compatible serial interface and by an enable signal.

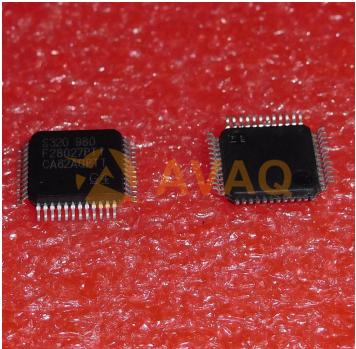
The automatic PWM/PFM (AUTO mode) operation together with the automatic phase adding/shedding gives high efficiency over a wide output-current range. The LP8733xx-Q1 supports remote voltage sensing (differential in dual-phase configuration) to compensate IR drop between the regulator output and the point-of-load (POL), thus improving the accuracy of the output voltage. In addition, the switching clock can be forced to PWM mode and also synchronized to an external clock to minimize the disturbances.

The LP8733xx-Q1 device supports programmable start-up and shutdown delays and sequences including GPO signals synchronized to the enable signal. During start-up and voltage change, the device controls the output slew rate to minimize output voltage overshoot and the in-rush current.

# **Key Features**







# **Recommended For You**

	<b>/1642</b>	

Texas Instruments, Inc

BGA

# TMS320DM648ZUTD9

Texas Instruments, Inc

BGA

# TMS34010FNL-40

Texas Instruments, Inc

PLCC

# TMS320DM642AGDKA5

Texas Instruments, Inc

FCCSP(GDK)

# TMS320DM365ZCE30

Texas Instruments, Inc

BGA

# TMS320C31PQA40

Texas Instruments, Inc

QFP

#### TMS320C203PZ80

Texas Instruments, Inc

QFP

# TMS320C6670ACYPA2

Texas Instruments, Inc

FCBGA84

#### TMS320C6424ZWT4

Texas Instruments, Inc

BGA

# TMS320DM642AZNZA6

Texas Instruments, Inc

BGA

# TMS320C6726BRFP266

Texas Instruments, Inc

QFP144

# TMS5703137DZWTQQ1

Texas Instruments, Inc

NFBGA-337

# TMS320VC5402APGE16

Texas Instruments, Inc

LQFP-144

#### TMS320C6711DZDP250

Texas Instruments, Inc

BGA

# TMS320C50PQ57

Texas Instruments, Inc

QFP132