

LCD Display LCD Driver 3.3V/5V 16-Pin WQFN EP T/R

Manufacturer:	Texas Instruments, Inc	
Package/Case:	WQFN16	TPS65135RTER Image Images are for reference only
Product Type:	Optoelectronics	Inquiry
RoHS:	RoHS Compliant/Lead free W	
Lifecycle:	Active	

General Description

The TPS65135 device is a high-efficiency split-rail power supply. Thanks to its single-inductor, multiple-output (SIMO) topology, the converter uses very few external components. The device operates with a buck-boost topology and generates positive and negative output voltages above or below the input supply voltage. The SIMO topology achieves excellent line and load regulation, which is necessary, for example, to avoid disturbance of a mobile phone display as a result of input voltage variations that occur during transmit periods in mobile communication systems. The device can also be used as a general-purpose split-rail supply as long as the output current mismatch between the rails is less than 50%.

Key Features

- Single-Inductor, Multiple-Output Topology
- 2.5-V to 5.5-V Input Voltage Range
- 750-mW Output Power at VI = 2.9 V
- Positive Output Voltages Up to 6 V
- Negative Output Voltage Down to -7 V
- 1% Output Voltage Accuracy
- Up to 50% Output Current Mismatch Allowed
- Excellent Line Regulation
- Advanced Power-Save Mode for Light-Load Efficiency
- Low-Noise Operation
- Out-of-Audio Mode
- Short-Circuit Protection
- Thermal Shutdown
- 3-mm × 3-mm Thin QFN Package

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Recommended For You

TPD3S014DBVR

Texas Instruments, Inc SOT23-6

TPS2042BDR Texas Instruments, Inc SOP8

TPS23753APWR Texas Instruments, Inc TSSOP14

TPS23751PWPR Texas Instruments, Inc HTSSOP16

TPS22914BYFPR Texas Instruments, Inc

DSBGA4

TPS2065CDBVR

Texas Instruments, Inc SOT23-5

TPS2051BDR Texas Instruments, Inc SOP8

TPS2116DRLR Texas Instruments, Inc SOT5X3-8

TPS65150QPWPRQ1 Texas Instruments, Inc HTSSOP-24

TPS2115ADRBR Texas Instruments, Inc VSON8 **TPS2557DRBT**

Texas Instruments, Inc SON8

TPL7407LPWR Texas Instruments, Inc TSSOP16

TPS259460ARPWR Texas Instruments, Inc

VQFN-10

Texas Instruments, Inc TSSOP-14

TPS2410PWR

TPS2113ADRBR Texas Instruments, Inc SON8