

Full Speed USB to Serial Port Controller USB 2.0 3.3V Tray 32-Pin LQFP



Images are for reference only

[Inquiry](#)

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: LQFP32

Product Type: Interface ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The LM9070 is a 5V, 3% accurate, 250 mA low-dropout voltage regulator. The regulator features an active low delayed reset output flag which can be used to reset a microprocessor system on turn-ON and in the event that the regulator output falls out of regulation for any reason. An external capacitor programs a delay time interval before the reset output can return high.

Designed for automotive application the LM9070 contains a variety of protection features such as reverse battery, over-voltage shutdown, thermal shutdown, input transient protection and a wide operating temperature range.

A unique two-input logic control scheme is used to enable or disable the regulator output. An ON/OFF input can be provided by an ignition switch derived signal while a second, Keep-Alive input, is generated by a system controller. This allows for a system to remain ON after ignition has been switched OFF. The system controller can then execute a power-down routine and after which command the regulator OFF to a low quiescent current state (60 μ A max).

Design techniques have been employed to allow the regulator to remain operational and not generate false reset signals when subjected to high levels of RF energy (300V/m from 2 MHz to 400 MHz).

Key Features

Automotive Application Reliability

3% Output Voltage Tolerance

Insensitive to Radiated RFI

Dropout Voltage Less than 800 mV with 250 mA Output Current

Externally Programmed Reset Delay Interval

Keep-Alive Feature with 2 Logic Control Inputs

60V Load Dump Transient Protection

Thermal Shutdown

Short Circuit Protection and Disable Safety Features

Reverse Battery Protection

Low OFF Quiescent Current, 50 μ A Maximum

Wide Operating Temperature Range 40°C to +125°C

TO-263 and 20-Pin Power Surface Mount Packages

Lead Form Compatible with TLE4267 TO-220 Regulator

All trademarks are the property of their respective owners.

Recommended For You

TUSB2077APTR

Texas Instruments, Inc
LQFP48

TUSB1002RGER

Texas Instruments, Inc
QFN

TUSB1105RTZR

Texas Instruments, Inc
WQFN-16

TUSB211QRWBRQ1

Texas Instruments, Inc
X2QFN-12

TUSB4041IPAPRQ1

Texas Instruments, Inc
HTQFP-64

TUSB1210BRHBR

Texas Instruments, Inc
VQFN32

TUSB212QRWBRQ1

Texas Instruments, Inc
X2QFN12

TUSB319IDRFRQ1

Texas Instruments, Inc
WSON8

TUSB1211A1ZRQ

Texas Instruments, Inc
BGA

TUSB4020BIPHP

Texas Instruments, Inc
TQFP48

TUSB1105RGTR

Texas Instruments, Inc
VQFN16

TUSB321RWBR

Texas Instruments, Inc
X2QFN12

TUSB8020BPHP

Texas Instruments, Inc

TQFP48

TUSB1002AIRGET

Texas Instruments, Inc

VQFN-24

TUSB3210PM

Texas Instruments, Inc

QFP64