

# LM3S6537-IQC50-A2 Datasheet

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DiGi Electronics Part Number	LM3S6537-IQC50-A2-DG
Manufacturer	<a href="#">Texas Instruments</a>
Manufacturer Product Number	LM3S6537-IQC50-A2
Description	IC MCU 32BIT 96KB FLASH 100LQFP
Detailed Description	ARM® Cortex®-M3 Stellaris® ARM® Cortex®-M3S 6000 Microcontroller IC 32-Bit Single-Core 50MHz 96KB (96K x 8) FLASH 100-LQFP (14x14)

This model LM3S6537-IQC50-A2 is available at DiGi Electronics.

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## Purchase and inquiry

**Manufacturer Product Number:**

LM3S6537-IQC50-A2

**Series:**

Stellaris® ARM® Cortex®-M3S 6000

**DiGi-Electronics Programmable:**

Not Verified

**Core Size:**

32-Bit Single-Core

**Connectivity:**

Ethernet, I2C, IrDA, Microwire, SPI, SSI, UART/USART

**Number of I/O:**

41

**Program Memory Type:**

FLASH

**RAM Size:**

64K x 8

**Data Converters:**

A/D 4x10b

**Operating Temperature:**

-40°C ~ 85°C

**Supplier Device Package:**

100-LQFP (14x14)

**Base Product Number:**

LM3S6537

**Manufacturer:**

Texas Instruments

**Product Status:**

Active

**Core Processor:**

ARM® Cortex®-M3

**Speed:**

50MHz

**Peripherals:**

Brown-out Detect/Reset, POR, PWM, WDT

**Program Memory Size:**

96KB (96K x 8)

**EEPROM Size:**

-

**Voltage - Supply (Vcc/Vdd):**

2.25V ~ 2.75V

**Oscillator Type:**

Internal

**Mounting Type:**

Surface Mount

**Package / Case:**

100-LQFP

## Environmental & Export classification

**RoHS Status:**

ROHS3 Compliant

**REACH Status:**

REACH Unaffected

**HTSUS:**

8542.31.0001

**Moisture Sensitivity Level (MSL):**

3 (168 Hours)

**ECCN:**

3A991A2

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