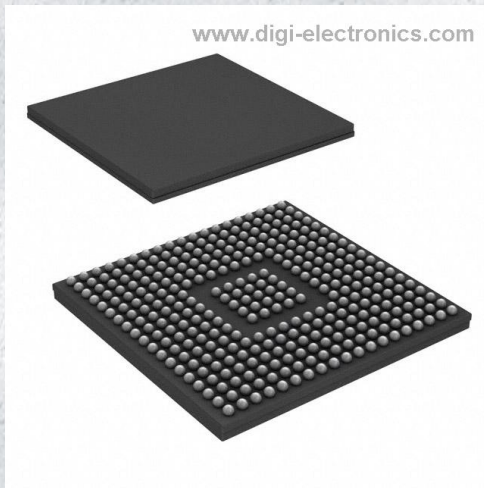


# F28384DZWTQR Datasheet



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DiGi Electronics Part Number	F28384DZWTQR-DG
Manufacturer	<a href="#">Texas Instruments</a>
Manufacturer Product Number	F28384DZWTQR
Description	IC MCU 32BIT 1MB FLASH 337NFBGA
Detailed Description	C28x C2000™ C28x Fixed-Point Microcontroller IC 3 2-Bit Dual-Core 200MHz 1MB (512K x 16) FLASH 337 -NFBGA (16x16)

This model F28384DZWTQR is available at DiGi Electronics.

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## Purchase and inquiry

**Manufacturer Product Number:**

F28384DZWTQR

**Series:**

C2000™ C28x Fixed-Point

**DiGi-Electronics Programmable:**

Not Verified

**Core Size:**

32-Bit Dual-Core

**Connectivity:**

CANbus, Ethernet, I2C, McBSP, SCI, SPI, UART/USART

**Number of I/O:**

169

**Program Memory Type:**

FLASH

**RAM Size:**

216K x 8

**Data Converters:**

A/D 24x12b, 36x16b SAR; D/A 3x12b

**Operating Temperature:**

-40°C ~ 125°C (TA)

**Qualification:**

AEC-Q100

**Supplier Device Package:**

337-NFBGA (16x16)

**Base Product Number:**

F28384

**Manufacturer:**

Texas Instruments

**Product Status:**

Active

**Core Processor:**

C28x

**Speed:**

200MHz

**Peripherals:**

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

**Program Memory Size:**

1MB (512K x 16)

**EEPROM Size:**

-

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

1.14V ~ 1.26V

**Oscillator Type:**

Internal

**Grade:**

Automotive

**Mounting Type:**

Surface Mount

**Package / Case:**

337-LFBGA

## Environmental & Export classification

**RoHS Status:**

Not applicable

**ECCN:**

5A992C

**Moisture Sensitivity Level (MSL):**

3 (168 Hours)

**HTSUS:**

8542.31.0001

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