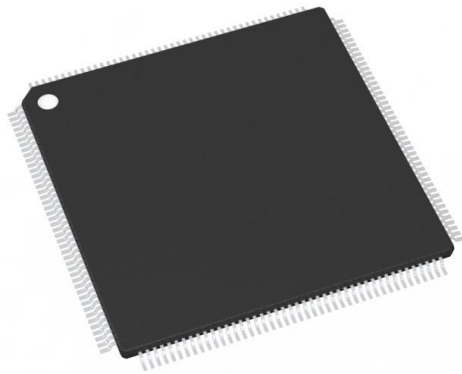


F28384DPTPQR Datasheet

www.digi-electronics.com



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DiGi Electronics Part Number	F28384DPTPQR-DG
Manufacturer	Texas Instruments
Manufacturer Product Number	F28384DPTPQR
Description	IC MCU 32BIT 1MB FLASH 176HLQFP
Detailed Description	C28x C2000™ C28x Fixed-Point Microcontroller IC 3 2-Bit Dual-Core 200MHz 1MB (512K x 16) FLASH 176 -HLQFP (24x24)

This model F28384DPTPQR is available at DiGi Electronics.

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Purchase and inquiry

Manufacturer Product Number:

F28384DPTPQR

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:

97

Program Memory Type:

FLASH

RAM Size:

216K x 8

Data Converters:

A/D 20x12b, 29x16b SAR; D/A 3x12b

Operating Temperature:

-40°C ~ 125°C (TA)

Qualification:

AEC-Q100

Supplier Device Package:

176-HLQFP (24x24)

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:

176-LQFP Exposed Pad

Environmental & Export classification

RoHS Status:

Not applicable

ECCN:

EAR99

Moisture Sensitivity Level (MSL):

3 (168 Hours)

HTSUS:

8542.31.0001

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