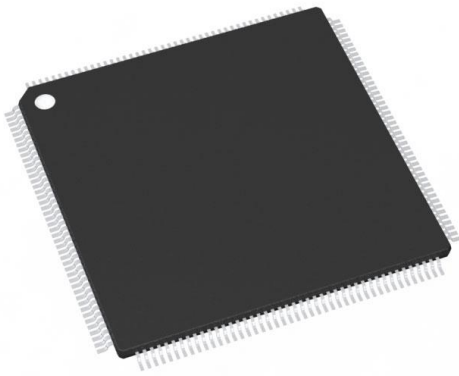


# F28386SPTPS Datasheet

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DiGi Electronics Part Number	F28386SPTPS-DG
Manufacturer	<a href="#">Texas Instruments</a>
Manufacturer Product Number	F28386SPTPS
Description	IC MCU 32BIT 512KB FLSH 176HLQFP
Detailed Description	C28x C2000™ C28x Fixed-Point Microcontroller IC 3 2-Bit Dual-Core 200MHz 512KB (256K x 16) FLASH 176-HLQFP (24x24)

This model F28386SPTPS is available at DiGi Electronics.

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## Purchase and inquiry

**Manufacturer Product Number:**

F28386SPTPS

**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:**

172K x 8

**Data Converters:**

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

**Operating Temperature:**

-40°C ~ 125°C (TJ)

**Supplier Device Package:**

176-HLQFP (24x24)

**Base Product Number:**

F28386

**Manufacturer:**

Texas Instruments

**Product Status:**

Active

**Core Processor:**

C28x

**Speed:**

200MHz

**Peripherals:**

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

**Program Memory Size:**

512KB (256K x 16)

**EEPROM Size:**

-

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

1.14V ~ 1.26V

**Oscillator Type:**

Internal

**Mounting Type:**

Surface Mount

**Package / Case:**

176-LQFP Exposed Pad

## Environmental & Export classification

**RoHS Status:**

Not applicable

**ECCN:**

5A992C

**Moisture Sensitivity Level (MSL):**

3 (168 Hours)

**HTSUS:**

8542.31.0001

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