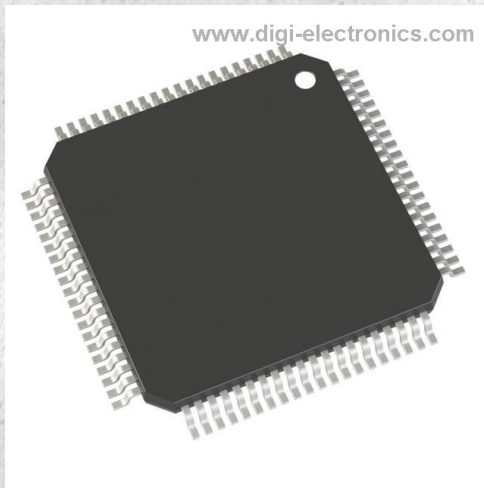


# DSPIC33CH512MP508-I/PT Datasheet



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	DSPIC33CH512MP508-I/PT-DG
Manufacturer	<a href="#">Microchip Technology</a>
Manufacturer Product Number	DSPIC33CH512MP508-I/PT
Description	IC MCU 16BIT 584KB FLASH 80TQFP
Detailed Description	dsPIC dsPIC™ 33CH, Functional Safety (FuSa) Micro controller IC 16-Bit Dual-Core 180MHz, 200MHz 584 kB (584k x 8) FLASH, PRAM 80-TQFP (12x12)

This model DSPIC33CH512MP508-I/PT is available at DiGi Electronics.

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## Purchase and inquiry

**Manufacturer Product Number:**

DSPIC33CH512MP508-I/PT

**Series:**

dsPIC™ 33CH, Functional Safety (FuSa)

**DiGi-Electronics Programmable:**

Not Verified

**Core Size:**

16-Bit Dual-Core

**Connectivity:**

CANbus, I2C, IrDA, LINbus, SPI, UART/USART

**Number of I/O:**

69

**Program Memory Type:**

FLASH, PRAM

**RAM Size:**

64K x 8

**Data Converters:**

A/D 64x12b; D/A 4x12b

**Operating Temperature:**

-40°C ~ 85°C (TA)

**Supplier Device Package:**

80-TQFP (12x12)

**Base Product Number:**

DSPIC33CH512MP508

**Manufacturer:**

Microchip Technology

**Product Status:**

Active

**Core Processor:**

dsPIC

**Speed:**

180MHz, 200MHz

**Peripherals:**

Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, WDT

**Program Memory Size:**

584kB (584k x 8)

**EEPROM Size:**

-

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

3V ~ 3.6V

**Oscillator Type:**

Internal

**Mounting Type:**

Surface Mount

**Package / Case:**

80-TQFP

## 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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