

DSPIC30F2010T-30I/SO



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Part Number: DSPIC30F2010T-30I/SO

Manufacturer: Micrel / Microchip Technology

Description: IC MCU 16BIT 12KB FLASH 28SOIC

Data sheet:

dsPIC30F2010 Datasheet

dsPIC30F2010 Errata & Data Sheet Clarification

16-bit Embedded Control Solutions

dsPIC30F Section 35. Serial Peripheral Interface(SPI)

DSPIC30F Flash Programming Specification

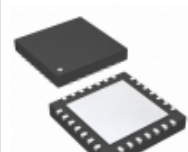
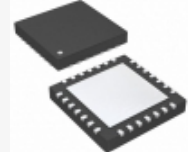
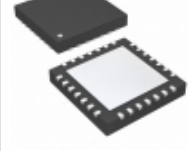
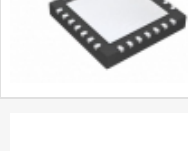
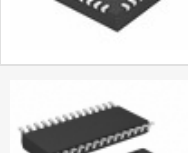
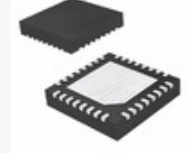
RoHs Status: Contains lead / RoHS non-compliant

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PRODUCT PARAMETER			
Part Number	DSPIC30F2010T-30I/SO	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 12KB FLASH 28SOIC	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	4285 pcs	Data sheet	dsPIC30F2010 Datasheet dsPIC30F2010 Errata & Data Sheet Clarification 16-bit Embedded Control Solutions dsPIC30F Section 35. Serial Peripheral Interface(SPI) DSPIC30F Flash Programming Specification
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.5 V ~ 5.5 V
Supplier Device Package	28-SOIC	Speed	30 MIPs
Series	dsPIC™ 30F	RAM Size	512 x 8
Program Memory Type	FLASH	Program Memory Size	12KB (4K x 24)
Peripherals	Brown-out Detect/Reset, Motor Control PWM, QEI, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	28-SOIC (0.295", 7.50mm Width)	Other Names	DSPIC30F2010T30IS DSPIC30F2010T30IS-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	20	Moisture Sensitivity Level (MSL)	1 (Unlimited)
Manufacturer Standard Lead Time	5 Weeks	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
EEPROM Size	1K x 8	Detailed Description	dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 30 MIPs 12KB (4K x 24) FLASH 28-SOIC
Data Converters	A/D 6x10b	Core Size	16-Bit
Core Processor	dsPIC	Connectivity	I²C, SPI, UART/USART
Base Part Number	DSPIC30F2010		
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