

DSPIC30F2010-20E/SO



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Part Number: DSPIC30F2010-20E/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](#)
 [DSPIC30F Flash Programming Specification](#)

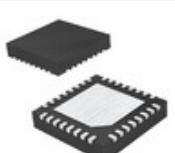
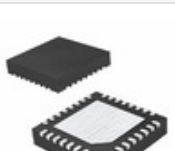
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	DSPIC30F2010-20E/SO	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 12KB FLASH 28SOIC	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	30070 pcs	Data sheet	dsPIC30F2010 Datasheet dsPIC30F2010 Errata & Data Sheet Clarification 16-bit Embedded Control Solutions dsPIC30F Section 35. Serial Peripheral Interface(S DSPIC30F Flash Programming Specification
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.5 V ~ 5.5 V
Supplier Device Package	28-SOIC	Speed	20 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	Tube
Package / Case	28-SOIC (0.295", 7.50mm Width)	Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)	Number of I/O	20
Moisture Sensitivity Level (MSL)	1 (Unlimited)	Manufacturer Standard Lead Time	5 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	1K x 8
Detailed Description	dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 20 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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