

DSPIC30F2012T-30I/SO



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Part Number:

DSPIC30F2012T-30I/SO

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 16BIT 12KB FLASH 28SOIC

Data sheet:

 [dsPIC30F2011/2012/3012/3013](#)

 [16-bit Embedded Control Solutions](#)

 [dsPIC30F Section 35. Serial Peripheral](#)

 [Interface \(SPI, I2C, CAN, LIN, RS485\)](#)

 [dsPIC30F2011,2012 Errata & Clarification](#)

 [DSPIC30F Flash Programming Specification](#)

RoHs Status:

Lead free / RoHS Compliant

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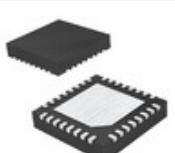
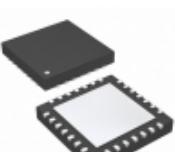
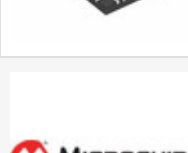
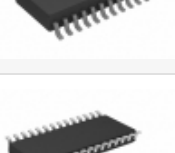
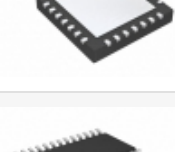
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PRODUCT PARAMETER			
Part Number	DSPIC30F2012T-30I/SO	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 12KB FLASH 28SOIC	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	35751 pcs	Data sheet	dsPIC30F2011/2012/3012/3013 16-bit Embedded Control Solutions dsPIC30F Section 35. Serial Peripheral Interface(SPI, I2C, CAN, LIN, RS485) dsPIC30F2011,2012 Errata & Clarification 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	1K x 8
Program Memory Type	FLASH	Program Memory Size	12KB (4K x 24)
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	28-SOIC (0.295", 7.50mm Width)	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	14 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 30 MIPs 12KB (4K x 24) FLASH 28-SOIC	Data Converters	A/D 10x12b
Core Size	16-Bit	Core Processor	dsPIC
Connectivity	I²C, SPI, UART/USART	Base Part Number	DSPIC30F2012
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