

DSPIC30F3012-20I/SO



Part Number: [DSPIC30F3012-20I/SO](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 24KB FLASH 18SOIC

Data sheet:  [dsPIC30F2011/2012/3012/3013](#)
 [16-bit Embedded Control Solutions](#)
 [dsPIC30F Section 35. Serial Peripheral Interface\(S](#)
 [DSPIC30F Flash Programming Specification](#)
 [dsPIC30F3012,3013 Errata & Data Sheet Clarificatio](#)

RoHs Status: Lead free / RoHS Compliant

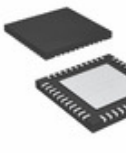
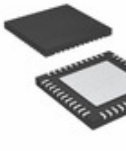
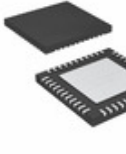
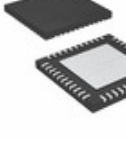
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PRODUCT PARAMETER			
Part Number	DSPIC30F3012-20I/SO	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 24KB FLASH 18SOIC	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	33654 pcs	Data sheet	dsPIC30F2011/2012/3012/3013 16-bit Embedded Control Solutions dsPIC30F Section 35. Serial Peripheral Interface(S DSPIC30F Flash Programming Specification dsPIC30F3012,3013 Errata & Data Sheet Clarificatio
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.5 V ~ 5.5 V
Supplier Device Package	18-SOIC	Speed	20 MIPS
Series	dsPIC™ 30F	RAM Size	2K x 8
Program Memory Type	FLASH	Program Memory Size	24KB (8K x 24)
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Packaging	Tube
Package / Case	18-SOIC (0.295", 7.50mm Width)	Other Names	DSPIC30F301220ISO
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	12	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 24KB (8K x 24) FLASH 18-SOIC
Data Converters	A/D 8x12b	Core Size	16-Bit
Core Processor	dsPIC	Connectivity	I²C, SPI, UART/USART
Base Part Number	DSPIC30F3012		
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	Part#: DSPIC30F3011T-30I/PT Description: IC MCU 16BIT 24KB FLASH 44TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: DSPIC30F3012-20E/SO Description: IC MCU 16BIT 24KB FLASH 18SOIC	Manufacturers: Micrel / Microchip Technology	RFQ
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Related keywords for DSPIC30F3012-20I/SO			
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