

DSPIC30F3012-20E/P



Part Number: [DSPIC30F3012-20E/P](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 24KB FLASH 18DIP

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

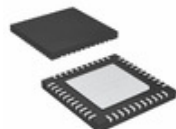
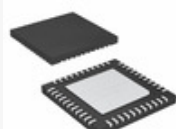
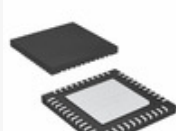
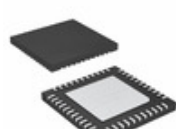
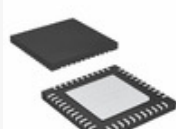
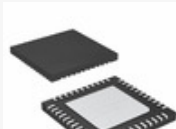
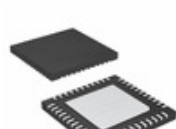
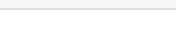
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PRODUCT PARAMETER			
Part Number	DSPIC30F3012-20E/P	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 24KB FLASH 18DIP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	24109 pcs	Data sheet	dsPIC30F2011/2012/3012/3013 16-bit Embedded Control Solutions dsPIC30F Section 35. Serial Peripheral Interface(S DSPIC30F Flash Programming Specification dsPIC30F3012,3013 Errata & Data Sheet Clarificatio 2.5 V ~ 5.5 V
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	
Supplier Device Package	18-PDIP	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-DIP (0.300", 7.62mm)	Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°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-PDIP	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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