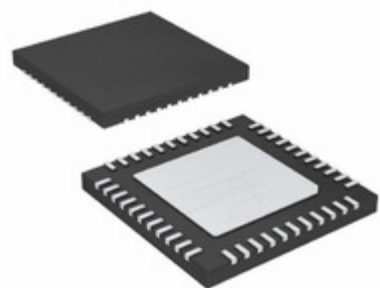


DSPIC30F4012-30I/ML



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See Product Specifications for product details.
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Part Number: DSPIC30F4012-30I/ML

Manufacturer: Micrel / Microchip Technology

Description: IC MCU 16BIT 48KB FLASH 44QFN

Data sheet:  [dsPIC30F4011,4012 Errata & Data Sheet Clarificatio](#)
 [16-bit Embedded Control Solutions](#)
 [DSPIC30F Flash Programming Specification](#)
 [DSPIC30F4011, 4012 Data Sheet](#)

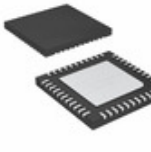
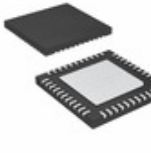
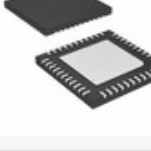
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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PRODUCT PARAMETER			
Part Number	DSPIC30F4012-30I/ML	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 48KB FLASH 44QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	16942 pcs	Data sheet	dsPIC30F4011,4012 Errata & Data Sheet Clarificatio 16-bit Embedded Control Solutions DSPIC30F Flash Programming Specification DSPIC30F4011, 4012 Data Sheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.5 V ~ 5.5 V
Supplier Device Package	44-QFN (8x8)	Speed	30 MIPs
Series	dsPIC™ 30F	RAM Size	2K x 8
Program Memory Type	FLASH	Program Memory Size	48KB (16K x 24)
Peripherals	Brown-out Detect/Reset, Motor Control PWM, QEI, POR, PWM, WDT	Packaging	Tube
Package / Case	44-VQFN Exposed Pad	Other Names	DSPIC30F401230IML
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	Lead free / RoHS Compliant
EEPROM Size	1K x 8	Detailed Description	dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 30 MIPs 48KB (16K x 24) FLASH 44-QFN (8x8)
Data Converters	A/D 6x10b	Core Size	16-Bit
Core Processor	dsPIC	Connectivity	CANbus, I²C, SPI, UART/USART
Base Part Number	DSPIC30F4012		
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