

DSPIC30F6012-30I/PF



Part Number: [DSPIC30F6012-30I/PF](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 144KB FLASH 64TQFP

Data sheet:  [16-bit Embedded Control Solutions](#)
 [DSPIC30F601x Data Sheet](#)
 [dsPIC30F6011-14 Errata & Data Sheet](#)
 [DSPIC30F Flash Programming Specification](#)

RoHs Status: Lead free / RoHS Compliant

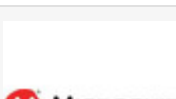
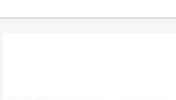
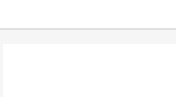
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PRODUCT PARAMETER			
Part Number	DSPIC30F6012-30I/PF	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 144KB FLASH 64TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5408 pcs	Data sheet	16-bit Embedded Control Solutions DSPIC30F601x Data Sheet dsPIC30F6011-14 Errata & Data Sheet Clarification DSPIC30F Flash Programming Specification
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.5 V ~ 5.5 V
Supplier Device Package	64-TQFP (14x14)	Speed	30 MIPs
Series	dsPIC™ 30F	RAM Size	8K x 8
Program Memory Type	FLASH	Program Memory Size	144KB (48K x 24)
Peripherals	AC'97, Brown-out Detect/Reset, I²S, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	64-TQFP	Other Names	DSPIC30F601230IPF DSPIC30F601230IPF-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	52	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	10 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	4K x 8	Detailed Description	dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 30 MIPs 144KB (48K x 24) FLASH 64-TQFP (14x14)
Data Converters	A/D 16x12b	Core Size	16-Bit
Core Processor	dsPIC	Connectivity	CANbus, I²C, SPI, UART/USART
Base Part Number	DSPIC30F6012		
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