

DSPIC30F6014A-20E/PF



Part Number: [DSPIC30F6014A-20E/PF](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 144KB FLASH 80TQFP

Data sheet:  [DsPIC30F Family Ref Manual](#)
 [16-bit Embedded Control Solutions](#)
 [dsPIC30F6011A-14A Errata & Data Sheet Clarificatio](#)
 [DSPIC30F Flash Programming Specification](#)
 [DSPIC30F6011A-6014A Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

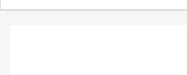
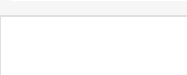
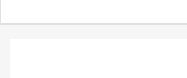
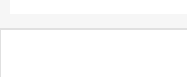
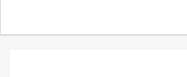
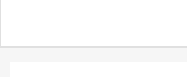
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PRODUCT PARAMETER			
Part Number	DSPIC30F6014A-20E/PF	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 144KB FLASH 80TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	10669 pcs	Data sheet	DsPIC30F Family Ref Manual 16-bit Embedded Control Solutions dsPIC30F6011A-14A Errata & Data Sheet DSPIC30F Flash Programming Specification DSPIC30F6011A-6014A Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.5 V ~ 5.5 V
Supplier Device Package	80-TQFP (14x14)	Speed	20 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, I ² S, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	80-TQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)	Number of I/O	68
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	6 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	4K x 8
Detailed Description	dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 20 MIPS 144KB (48K x 24) FLASH 80-TQFP (14x14)	Data Converters	A/D 16x12b
Core Size	16-Bit	Core Processor	dsPIC
Connectivity	CANbus, I ² C, SPI, UART/USART	Base Part Number	DSPIC30F6014A
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