

DSPIC30F6010A-30I/PT



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Part Number: DSPIC30F6010A-30I/PT

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 144KB FLASH 80TQFP

Data sheet:  [DSPIC30F Programmer Reference Errata Sheet](#)
 [16-bit Embedded Control Solutions](#)
 [dsPIC30F6010A,6015 Errata & Data Sheet Clarificati](#)
 [dsPIC30F6010 Errata & Data Sheet Clarification](#)
 [dsPIC30F Section 35. Serial Peripheral Interface\(S](#)
 [DSPIC30F Flash Programming Specification](#)
 [dsPIC30F6010A/6015 Data Sheet](#)

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	DSPIC30F6010A-30I/PT	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 144KB FLASH 80TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	10445 pcs	Data sheet	DSPIC30F Programmer Reference Errata Sheet 16-bit Embedded Control Solutions dsPIC30F6010A,6015 Errata & Data Sheet Clarificati dsPIC30F6010 Errata & Data Sheet Clarification dsPIC30F Section 35. Serial Peripheral Interface(S DSPIC30F Flash Programming Specification dsPIC30F6010A/6015 Data Sheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.5 V ~ 5.5 V
Supplier Device Package	80-TQFP (12x12)	Speed	30 MIPs
Series	dsPIC™ 30F	RAM Size	8K x 8
Program Memory Type	FLASH	Program Memory Size	144KB (48K x 24)
Peripherals	Brown-out Detect/Reset, LVD, Motor Control PWM, QEI, POR, PWM, WDT	Packaging	Tray
Package / Case	80-TQFP	Other Names	DSPIC30F6010A30IP DSPIC30F6010A30IPT
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	68	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	8 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 80-TQFP (12x12)
Data Converters	A/D 16x10b	Core Size	16-Bit
Core Processor	dsPIC	Connectivity	CANbus, I²C, SPI, UART/USART
Base Part Number	DSPIC30F6010A		
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