

DSPIC30F6010A-20I/PT



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Part Number: DSPIC30F6010A-20I/PT

Manufacturer: Micrel / Microchip Technology

Description: IC MCU 16BIT 144KB FLASH 80TQFP

Data sheet:  [DSPIC30F Programmer Reference Errata Sheet](#)
 [dsPIC30F6010A,6015 Errata & Data Sheet Clarificati](#)
 [dsPIC30F6010 Errata & Data Sheet Clarification](#)
 [16-bit Embedded Control Solutions](#)
 [DSPIC30F Section35 SPI](#)
 [DSPIC30F Flash Prog. Spec.](#)
 [dsPIC30F6010A/6015 Data Sheet](#)

RoHs Status: Contains lead / RoHS non-compliant

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PRODUCT PARAMETER			
Part Number	DSPIC30F6010A-20I/PT	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 144KB FLASH 80TQFP	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	4281 pcs	Data sheet	DSPIC30F Programmer Reference Errata Sheet dsPIC30F6010A,6015 Errata & Data Sheet dsPIC30F6010 Errata & Data Sheet Clarification 16-bit Embedded Control Solutions DSPIC30F Section35 SPI DSPIC30F Flash Prog. Spec. 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	20 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	DSPIC30F6010A20IP
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	68	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant	EEPROM Size	4K x 8
Detailed Description	dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 20 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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