

DSPIC30F6010T-20E/PF



Part Number: [DSPIC30F6010T-20E/PF](#)

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 Flash Prog. Spec.](#)
 [DSPIC30F6010 Data Sheet](#)

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	DSPIC30F6010T-20E/PF	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 144KB FLASH 80TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	3964 pcs	Data sheet	DSPIC30F Programmer Reference Errata Sheet dsPIC30F6010A,6015 Errata & Data Sheet dsPIC30F6010 Errata & Data Sheet Clarification 16-bit Embedded Control Solutions DSPIC30F Flash Prog. Spec. DSPIC30F6010 Data Sheet
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	Brown-out Detect/Reset, LVD, Motor Control PWM, QEI, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	80-TQFP	Other Names	DSPIC30F6010T20EP
Oscillator Type	Internal	Operating Temperature	-40°C ~ 125°C (TA)
Number of I/O	68	Moisture Sensitivity Level (MSL)	3 (168 Hours)
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 16x10b
Core Size	16-Bit	Core Processor	dsPIC
Connectivity	CANbus, I²C, SPI, UART/USART	Base Part Number	DSPIC30F6010
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	Part#: DSPIC30F6011-20E/PF Description: IC MCU 16BIT 132KB FLASH 64TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC30F6010A-20I/PT Description: IC MCU 16BIT 144KB FLASH 80TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC30F6010-30I/PF Description: IC MCU 16BIT 144KB FLASH 80TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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