

DSPIC30F6015T-20E/PT



Part Number: [DSPIC30F6015T-20E/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 144KB FLASH 64TQFP

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

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	DSPIC30F6015T-20E/PT	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 144KB FLASH 64TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4686 pcs	Data sheet	dsPIC30F6010A,6015 Errata & Data Sheet Clarificati 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	64-TQFP (10x10)	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	64-TQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)	Number of I/O	52
Moisture Sensitivity Level (MSL)	4 (72 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 64-TQFP (10x10)
Data Converters	A/D 16x10b	Core Size	16-Bit
Core Processor	dsPIC	Connectivity	CANbus, I²C, SPI, UART/USART
Base Part Number	DSPIC30F6015		
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	Part#: DSPIC33CH128MP203-E/M5 Description: 16 BIT DSC, DUAL CORE, 128K FLAS	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33CH128MP202-I/2N Description: 16 BIT DSC, DUAL CORE, 128K FLAS	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC30F6014T-20I/PF Description: IC MCU 16BIT 144KB FLASH 80TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: DSPIC30F6015-30I/PT Description: IC MCU 16BIT 144KB FLASH 64TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33CH128MP202-E/SS Description: 16 BIT DSC, DUAL CORE, 128K FLAS	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC30F6014T-30I/PF Description: IC MCU 16BIT 144KB FLASH 80TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC30F6015-20I/PT Description: IC MCU 16BIT 144KB FLASH 64TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: DSPIC33CH128MP202-I/SS Description: 16 BIT DSC, DUAL CORE, 128K FLAS	Manufacturers: Micrel / Microchip Technology	RFQ
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