

DSPIC30F2023T-30I/PT



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Part Number: DSPIC30F2023T-30I/PT

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 12KB FLASH 44TQFP

Data sheet:  [dsPIC30F1010/202x Datasheet](#)
 [16-bit Embedded Control Solutions](#)
 [dsPIC30F Section 35. Serial Peripheral Interface\(S](#)
 [DSPIC30F Flash Programming Specification](#)
 [dsPIC30F SMPS Flash Prog Spec](#)
 [dsPIC30F1010, 202x Errata & Datasheet](#)

[Clarificatio](#)

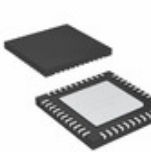
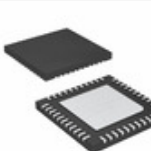
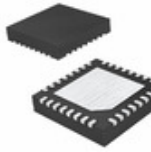
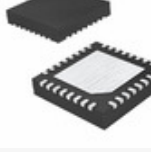
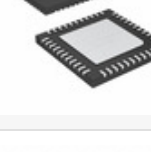
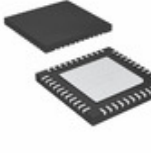
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	DSPIC30F2023T-30I/PT	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 12KB FLASH 44TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	20785 pcs	Data sheet	dsPIC30F1010/202x Datasheet 16-bit Embedded Control Solutions dsPIC30F Section 35. Serial Peripheral Interface(S DSPIC30F Flash Programming Specification dsPIC30F SMPS Flash Prog Spec dsPIC30F1010, 202x Errata & Datasheet Clarificatio
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	3 V ~ 5.5 V
Supplier Device Package	44-TQFP (10x10)	Speed	30 MIPs
Series	dsPIC™ 30F	RAM Size	512 x 8
Program Memory Type	FLASH	Program Memory Size	12KB (4K x 24)
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	44-TQFP	Other Names	DSPIC30F2023T-30I/PTTR
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	35	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	16 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description	dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 30 MIPs 12KB (4K x 24) FLASH 44-TQFP (10x10)
Data Converters	A/D 12x10b	Core Size	16-Bit
Core Processor	dsPIC	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Base Part Number	DSPIC30F2023		
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	Part#: DSPIC30F3010-30I/ML Description: IC MCU 16BIT 24KB FLASH 44QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC30F2020-30I/SP Description: IC MCU 16BIT 12KB FLASH 28SDIP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC30F3010T-20E/ML Description: IC MCU 16BIT 24KB FLASH 44QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC30F2020-30I/MMB32 Description: IC MCU 16BIT 12KB FLASH 28QFN	Manufacturers: Micrel / Microchip Technology	RFQ
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