



DSPIC30F4012T-20I/SO

Part Number:	DSPIC30F4012T-20I/SO
Manufacturer/Brand:	Micrel / Microchip Technology
Product description	IC MCU 16BIT 48KB FLASH 28SOIC
	PDF 1.DSPIC30F4012T-20I/SO.pdf
	PDF 2.DSPIC30F4012T-20I/SO.pdf
	PDF 3.DSPIC30F4012T-20I/SO.pdf
	PDF 4.DSPIC30F4012T-20I/SO.pdf
	PDF 5.DSPIC30F4012T-20I/SO.pdf
	PDF 6.DSPIC30F4012T-20I/SO.pdf
	PDF 7.DSPIC30F4012T-20I/SO.pdf
Datasheets:	
RoHs Status	 Contains lead / RoHS non-compliant
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

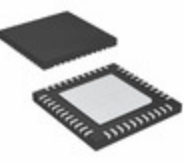
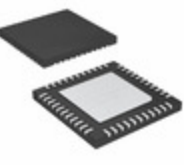
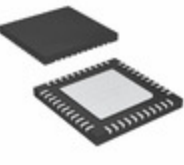
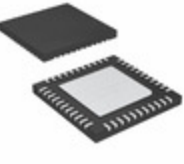
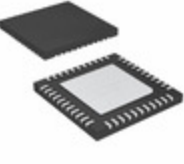
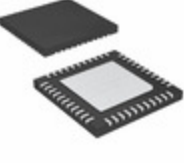
Specifications of DSPIC30F4012T-20I/SO

PART NUMBER	DSPIC30F4012T-20I/SO
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 16BIT 48KB FLASH 28SOIC
LEAD FREE STATUS / ROHS STATUS	Contains lead / RoHS non-compliant
DATA SHEET	PDF 1.DSPIC30F4012T-20I/SO.pdf PDF 2.DSPIC30F4012T-20I/SO.pdf PDF 3.DSPIC30F4012T-20I/SO.pdf PDF 4.DSPIC30F4012T-20I/SO.pdf PDF 5.DSPIC30F4012T-20I/SO.pdf PDF 6.DSPIC30F4012T-20I/SO.pdf PDF 7.DSPIC30F4012T-20I/SO.pdf
VOLTAGE - SUPPLY (VCC/VDD)	2.5 V ~ 5.5 V
SUPPLIER DEVICE PACKAGE	28-SOIC
SPEED	20 MIPS
SERIES	dsPIC™ 30F
RAM SIZE	2K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	48KB (16K x 24)
PERIPHERALS	Brown-out Detect/Reset, Motor Control PWM, QEI, POR, PWM, WDT
PACKAGING	Tape & Reel (TR)
PACKAGE / CASE	28-SOIC (0.295", 7.50mm Width)
OTHER NAMES	DSPIC30F4012T20IS
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	20
MOISTURE SENSITIVITY LEVEL (MSL)	1 (Unlimited)
LEAD FREE STATUS / ROHS STATUS	Contains lead / RoHS non-compliant
EEPROM SIZE	1K x 8
DETAILED DESCRIPTION	dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 20 MIPS 48KB (16K x 24) FLASH 28-SOIC
DATA CONVERTERS	A/D 6x10b
CORE SIZE	16-Bit
CORE PROCESSOR	dsPIC
CONNECTIVITY	CANbus, I²C, SPI, UART/USART
BASE PART NUMBER	DSPIC30F4012

Related Tags

Micrel / Microchip Technology DSPIC30F4012T-20I/SO	DSPIC30F4012T-20I/SO Distributor	DSPIC30F4012T-20I/SO Supplier
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Related Products

 DSPIC30F4012T-20E/SO Manufacturers: Micrel / Microchip Technology Description: IC MCU 16BIT 48KB FLASH 28SOIC In stock: Out stock RFQ	 DSPIC30F4012T-20I/ML Manufacturers: Micrel / Microchip Technology Description: IC MCU 16BIT 48KB FLASH 44QFN In stock: Out stock RFQ
 DSPIC30F4012T-30I/SO Manufacturers: Micrel / Microchip Technology Description: IC MCU 16BIT 48KB FLASH 28SOIC In stock: Out stock RFQ	 DSPIC30F4013-20I/ML Manufacturers: Micrel / Microchip Technology Description: IC MCU 16BIT 48KB FLASH 44QFN In stock: 726 pcs RFQ
 DSPIC30F4012T-30I/ML Manufacturers: Micrel / Microchip Technology Description: IC MCU 16BIT 48KB FLASH 44QFN In stock: Out stock RFQ	 DSPIC30F4012-30I/SO Manufacturers: Micrel / Microchip Technology Description: IC MCU 16BIT 48KB FLASH 28SOIC In stock: 168 pcs RFQ
 DSPIC30F4013-20E/P Manufacturers: Micrel / Microchip Technology Description: IC MCU 16BIT 48KB FLASH 40DIP In stock: Out stock RFQ	 DSPIC30F4013-20E/ML Manufacturers: Micrel / Microchip Technology Description: IC MCU 16BIT 48KB FLASH 44QFN In stock: Out stock RFQ
 DSPIC30F4012-30I/ML Manufacturers: Micrel / Microchip Technology Description: IC MCU 16BIT 48KB FLASH 44QFN In stock: 180 pcs RFQ	 DSPIC30F4013-20E/PT Manufacturers: Micrel / Microchip Technology Description: IC MCU 16BIT 48KB FLASH 44TQFP In stock: Out stock RFQ
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