

DSPIC30F6012T-30I/PF



Part Number: [DSPIC30F6012T-30I/PF](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 144KB FLASH 64TQFP

Data sheet:  [dsPIC30F6011, 12, 13, 14](#)

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	DSPIC30F6012T-30I/PF	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 144KB FLASH 64TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4444 pcs	Data sheet	dsPIC30F6011, 12, 13, 14
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.5 V ~ 5.5 V
Supplier Device Package	64-TQFP (14x14)	Speed	30 MIPs
Series	dsPIC™ 30F	RAM Size	8K x 8
Program Memory Type	FLASH	Program Memory Size	144KB (48K x 24)
Peripherals	AC'97, Brown-out Detect/Reset, I²S, LVD, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	64-TQFP	Other Names	DSPIC30F6012T30IP
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	52	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 30 MIPs 144KB (48K x 24) FLASH 64-TQFP (14x14)	Data Converters	A/D 16x12b
Core Size	16-Bit	Core Processor	dsPIC
Connectivity	CANbus, I²C, SPI, UART/USART	Base Part Number	DSPIC30F6012
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