

DSPIC30F5016T-30I/PT



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Part Number: [DSPIC30F5016T-30I/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 66KB FLASH 80TQFP

Data sheet:  [DSPIC30F Programmer Reference Errata Sheet](#)
 [DSPIC30F5015, 5016 Data Sheet](#)
 [dsPIC30F Ref Manual Errata](#)
 [16-bit Embedded Control Solutions](#)
 [dsPIC30F Section 35. Serial Peripheral Interface\(S](#)
 [DSPIC30F Flash Programming Specification](#)
 [dsPIC30F5015,5016 Errata & Data Sheet Clarificatio](#)

RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	DSPIC30F5016T-30I/PT	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 66KB FLASH 80TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	13939 pcs	Data sheet	DSPIC30F Programmer Reference Errata Sheet DSPIC30F5015, 5016 Data Sheet dsPIC30F Ref Manual Errata 16-bit Embedded Control Solutions dsPIC30F Section 35. Serial Peripheral DSPIC30F Flash Programming Specification dsPIC30F5015,5016 Errata & Data Sheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	Clarificatio 2.5 V ~ 5.5 V
Supplier Device Package	80-TQFP (12x12)	Speed	30 MIPs
Series	dsPIC™ 30F	RAM Size	2K x 8
Program Memory Type	FLASH	Program Memory Size	66KB (22K x 24)
Peripherals	Brown-out Detect/Reset, Motor Control PWM, QEI, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	80-TQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	68
Moisture Sensitivity Level (MSL)	4 (72 Hours)	Manufacturer Standard Lead Time	12 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	1K x 8
Detailed Description	dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 30 MIPs 66KB (22K x 24) FLASH 80-TQFP (12x12)	Data Converters	A/D 16x10b
Core Size	16-Bit	Core Processor	dsPIC
Connectivity	CANbus, I²C, SPI, UART/USART	Base Part Number	DSPIC30F5016
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