

PIC16F1946-E/PT



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Part Number: [PIC16F1946-E/PT](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 14KB FLASH 64TQFP

Data sheet:  [PIC16\(L\)F1946,1947 Errata](#)
 [PIC16\(L\)F1946/47 Datasheet](#)
 [Next Generation Peripherals Brochure](#)
 [PIC16\(L\)F19xx Programming Spec](#)

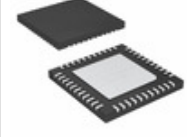
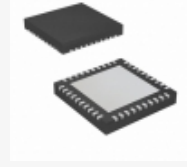
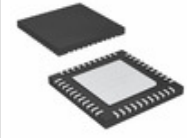
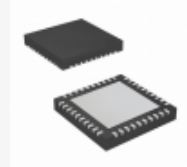
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	PIC16F1946-E/PT	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 8BIT 14KB FLASH 64TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	49110 pcs	Data sheet	PIC16(L)F1946,1947 Errata PIC16(L)F1946/47 Datasheet Next Generation Peripherals Brochure PIC16(L)F19xx Programming Spec
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 5.5 V
Supplier Device Package	64-TQFP (10x10)	Speed	32MHz
Series	PIC® XLP™ 16F	RAM Size	512 x 8
Program Memory Type	FLASH	Program Memory Size	14KB (8K x 14)
Peripherals	Brown-out Detect/Reset, LCD, POR, PWM, WDT	Packaging	Tray
Package / Case	64-TQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)	Number of I/O	54
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	10 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	256 x 8
Detailed Description	PIC PIC® XLP™ 16F Microcontroller IC 8-Bit 32MHz 14KB (8K x 14) FLASH 64-TQFP (10x10)	Data Converters	A/D 17x10b
Core Size	8-Bit	Core Processor	PIC
Connectivity	I²C, LINbus, SPI, UART/USART	Base Part Number	PIC16F1946
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