



Micrel / Microchip Technology

## DSPIC30F2020-20E/SP

Part Number:	DSPIC30F2020-20E/SP
Manufacturer/Brand:	Micrel / Microchip Technology
Product description:	IC MCU 16BIT 12KB FLASH 28SDIP
	<a href="#">1.DSPIC30F2020-20E/SP.pdf</a> <a href="#">2.DSPIC30F2020-20E/SP.pdf</a> <a href="#">3.DSPIC30F2020-20E/SP.pdf</a> <a href="#">4.DSPIC30F2020-20E/SP.pdf</a> <a href="#">5.DSPIC30F2020-20E/SP.pdf</a> <a href="#">6.DSPIC30F2020-20E/SP.pdf</a>
Datasheets:	
RoHS Status:	Lead free / RoHS Compliant
Stock Condition:	18964 pcs stock
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.

### Specifications of DSPIC30F2020-20E/SP

PART NUMBER	DSPIC30F2020-20E/SP
MANUFACTURER	Micrel / Microchip Technology
DESCRIPTION	IC MCU 16BIT 12KB FLASH 28SDIP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	18964 pcs
DATA SHEET	<a href="#">1.DSPIC30F2020-20E/SP.pdf</a> <a href="#">2.DSPIC30F2020-20E/SP.pdf</a> <a href="#">3.DSPIC30F2020-20E/SP.pdf</a> <a href="#">4.DSPIC30F2020-20E/SP.pdf</a> <a href="#">5.DSPIC30F2020-20E/SP.pdf</a> <a href="#">6.DSPIC30F2020-20E/SP.pdf</a>
VOLTAGE - SUPPLY (VCC/VDD)	3 V ~ 5.5 V
SUPPLIER DEVICE PACKAGE	28-SPDIP
SPEED	20 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	Tube
PACKAGE / CASE	28-DIP (0.300", 7.62mm)
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 125°C (TA)
NUMBER OF I/O	21
MOISTURE SENSITIVITY LEVEL (MSL)	1 (Unlimited)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	dsPIC dsPIC™ 30F Microcontroller IC 16-Bit 20 MIPS 12KB (4K x 24) FLASH 28-SPDIP
DATA CONVERTERS	A/D 8x10b
CORE SIZE	16-Bit
CORE PROCESSOR	dsPIC
CONNECTIVITY	I <sup>2</sup> C, IrDA, LINbus, SPI, UART/USART
BASE PART NUMBER	DSPIC30F2020

### Related Tags

Micrel / Microchip Technology DSPIC30F2020-20E/SP	DSPIC30F2020-20E/SP Distributor	DSPIC30F2020-20E/SP Supplier
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Micrel / Microchip Technology DSPIC30F2020-20E/SP	Microchip Technology DSPIC30F2020-20E/SP	Roving Networks / Microchip Technology DSPIC30F2020-20E/SP

### Related Products

<p><b>DSPIC30F2012T-20I/ML</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 12KB FLASH 28QFN                  In stock: 4981 pcs  <a href="#">RFQ</a></p>	<p><b>DSPIC30F2020-30I/SP</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 12KB FLASH 28SDIP                  In stock: 18957 pcs  <a href="#">RFQ</a></p>
<p><b>DSPIC30F2020-30I/MMB32</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 12KB FLASH 28QFN                  In stock: 10402 pcs  <a href="#">RFQ</a></p>	<p><b>DSPIC30F2020-20E/SO</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 12KB FLASH 28SOIC                  In stock: 18853 pcs  <a href="#">RFQ</a></p>
<p><b>DSPIC30F2020T-30I/MM</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 12KB FLASH 28QFN                  In stock: 22237 pcs  <a href="#">RFQ</a></p>	<p><b>DSPIC30F2012T-30I/ML</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 12KB FLASH 28QFN                  In stock: 6446 pcs  <a href="#">RFQ</a></p>
<p><b>DSPIC30F2020-30I/SO</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 12KB FLASH 28SOIC                  In stock: 19876 pcs  <a href="#">RFQ</a></p>	<p><b>DSPIC30F2020-20E/MM</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 12KB FLASH 28QFN                  In stock: 21186 pcs  <a href="#">RFQ</a></p>
<p><b>DSPIC30F2020T-30I/SO</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 12KB FLASH 28SOIC                  In stock: 23051 pcs  <a href="#">RFQ</a></p>	<p><b>DSPIC30F2020-30I/MM</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 12KB FLASH 28QFN                  In stock: 23426 pcs  <a href="#">RFQ</a></p>
<p><b>DSPIC30F2012T-20I/SO</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 12KB FLASH 28SOIC                  In stock: 5905 pcs  <a href="#">RFQ</a></p>	<p><b>DSPIC30F2012T-30I/SO</b>                  Manufacturers: Micrel / Microchip Technology                  Description: IC MCU 16BIT 12KB FLASH 28SOIC                  In stock: 32274 pcs  <a href="#">RFQ</a></p>