



Micrel / Microchip Technology



Image may be representation. See specifications for product details.

DSPIC30F2020-30I/SP

Part Number:

DSPIC30F2020-30I/SP

Manufacturer/Brand:

Micrel / Microchip Technology

Product description

IC MCU 16BIT 12KB FLASH 28SDIP

Datasheets:

 1.DSPIC30F2020-30I/SP.pdf

 2.DSPIC30F2020-30I/SP.pdf

 3.DSPIC30F2020-30I/SP.pdf

 4.DSPIC30F2020-30I/SP.pdf

 5.DSPIC30F2020-30I/SP.pdf

 6.DSPIC30F2020-30I/SP.pdf

RoHs Status

 Lead free / RoHS Compliant

Stock Condition

18957 pcs stock

Ship From

Hong Kong

Shipment Way

DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

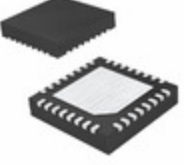
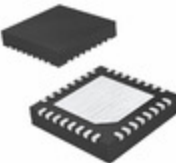
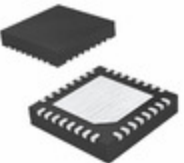
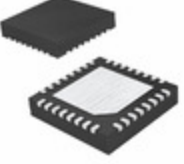
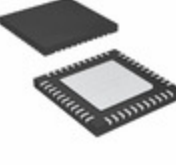
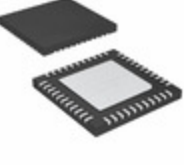
Specifications of DSPIC30F2020-30I/SP

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | DSPIC30F2020-30I/SP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MANUFACTURER                     | Micrel / Microchip Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DESCRIPTION                      | IC MCU 16BIT 12KB FLASH 28SDIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| QUANTITY AVAILABLE               | 18957 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DATA SHEET                       | <div> 1.DSPIC30F2020-30I/SP.pdf</div> <div> 2.DSPIC30F2020-30I/SP.pdf</div> <div> 3.DSPIC30F2020-30I/SP.pdf</div> <div> 4.DSPIC30F2020-30I/SP.pdf</div> <div> 5.DSPIC30F2020-30I/SP.pdf</div> <div> 6.DSPIC30F2020-30I/SP.pdf</div> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 3 V ~ 5.5 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SUPPLIER DEVICE PACKAGE          | 28-SPDIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| SPEED                            | 30 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| OTHER NAMES                      | DSPIC30F202030ISP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| OPERATING TEMPERATURE            | -40°C ~ 85°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 30 MIPS 12KB (4K x 24) FLASH 28-SPDIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| DATA CONVERTERS                  | A/D 8x10b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| CORE SIZE                        | 16-Bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| CORE PROCESSOR                   | dsPIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| CONNECTIVITY                     | I²C, IrDA, LINbus, SPI, UART/USART                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BASE PART NUMBER                 | DSPIC30F2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

Related Tags

|                                                   |                                          |                                                            |
|---------------------------------------------------|------------------------------------------|------------------------------------------------------------|
| Micrel / Microchip Technology DSPIC30F2020-30I/SP | DSPIC30F2020-30I/SP Distributor          | DSPIC30F2020-30I/SP Supplier                               |
| DSPIC30F2020-30I/SP Price                         | DSPIC30F2020-30I/SP Pictures             | DSPIC30F2020-30I/SP Image                                  |
| DSPIC30F2020-30I/SP PDF Datasheet                 | DSPIC30F2020-30I/SP Download Datasheet   | DSPIC30F2020-30I/SP Datasheet                              |
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| Micrel / Microchip Technology DSPIC30F2020-30I/SP | Microchip Technology DSPIC30F2020-30I/SP | Roving Networks / Microchip Technology DSPIC30F2020-30I/SP |

Related Products

|                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>DSPIC30F2020-20E/SP</div><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 16BIT 12KB FLASH 28SDIP</div><div>In stock: 18964 pcs</div><div>RFQ</div></div> | <div><div>DSPIC30F2023-20E/PT</div><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 16BIT 12KB FLASH 44TQFP</div><div>In stock: 17627 pcs</div><div>RFQ</div></div>   |
| <div><div>DSPIC30F2020-30I/SO</div><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 16BIT 12KB FLASH 28SOIC</div><div>In stock: 19876 pcs</div><div>RFQ</div></div> | <div><div>DSPIC30F2020T-30I/MM</div><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 16BIT 12KB FLASH 28QFN</div><div>In stock: 22237 pcs</div><div>RFQ</div></div>   |
| <div><div>DSPIC30F2020-30I/MM</div><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 16BIT 12KB FLASH 28QFN</div><div>In stock: 23426 pcs</div><div>RFQ</div></div>  | <div><div>DSPIC30F2020-20E/MM</div><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 16BIT 12KB FLASH 28QFN</div><div>In stock: 21186 pcs</div><div>RFQ</div></div>    |
| <div><div>DSPIC30F2023-30I/PT</div><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 16BIT 12KB FLASH 44TQFP</div><div>In stock: 16931 pcs</div><div>RFQ</div></div> | <div><div>DSPIC30F2020-30I/MMB32</div><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 16BIT 12KB FLASH 28QFN</div><div>In stock: 10402 pcs</div><div>RFQ</div></div> |
| <div><div>DSPIC30F2023-30I/ML</div><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 16BIT 12KB FLASH 44QFN</div><div>In stock: 13772 pcs</div><div>RFQ</div></div>  | <div><div>DSPIC30F2023-20E/ML</div><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 16BIT 12KB FLASH 44QFN</div><div>In stock: 16829 pcs</div><div>RFQ</div></div>    |
| <div><div>DSPIC30F2020-20E/SO</div><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 16BIT 12KB FLASH 28SOIC</div><div>In stock: 18853 pcs</div><div>RFQ</div></div> | <div><div>DSPIC30F2020T-30I/SO</div><div>Manufacturers: Micrel / Microchip Technology</div><div>Description: IC MCU 16BIT 12KB FLASH 28SOIC</div><div>In stock: 23051 pcs</div><div>RFQ</div></div>  |

