



Image may be representation.
See specifications for product details.



DSPIC30F4011-20I/P

Manufacturer Part Number	DSPIC30F4011-20I/P
Manufacturer	Microchip Technology
Allelco Part Number	32D-DSPIC30F4011-20I/P
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 48KB FLASH 40DIP
Package	40-DIP (0.600", 15.24mm)
Data sheet	16-bit Embedded Control Solutions.pdf DSPIC30F4011, 4012 Data Sheet.pdf dsPIC30F Section 35. Serial Peripheral Interface(S.pdf)
RoHs Status	ROHS3 Compliant

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DSPIC30F4011-20I/P - Microchip Technology. New Original in Stock. Download Linear Technology DSPIC30F4011-20I/P datasheet/specifications on AllelcoElec.com. Request a quote for DSPIC30F4011-20I/P, please send us email: info@allelco.com

Specifications

DSPIC30F4011-20I/P Tech Specifications
DSPIC30F4011-20I/P - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.5V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	40-PDIP	Number of I/O	30
Speed	20 MIPS	Mounting Type	Through Hole
Series	dsPIC™ 30F	EEPROM Size	1K x 8
RAM Size	2K x 8	Data Converters	A/D 9x10b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	48KB (16K x 24)	Core Processor	dsPIC
Peripherals	Brown-out Detect/Reset, Motor Control PWM, QEI, POR, PWM, WDT	Connectivity	CANbus, I ² C, SPI, UART/USART
Package / Case	40-DIP (0.600", 15.24mm)	Base Product Number	DSPIC30F4011
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology DSPIC30F4011-20I/P

Product Attribute				
Part Number	DSPIC30F4011-20I/P	DSPIC30F3014-30I/P	DSPIC30F3013T-20I/ML	DSPIC30F4012-20I/SP
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	DSPIC30F4011	DSPIC30F3014	DSPIC30F3013	DSPIC30F4012
Voltage - Supply (Vcc/Vdd)	2.5V ~ 5.5V	2.5V ~ 5.5V	2.5V ~ 5.5V	2.5V ~ 5.5V
Program Memory Size	48KB (16K x 24)	24KB (8K x 24)	24KB (8K x 24)	48KB (16K x 24)
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Connectivity	CANbus, I ² C, SPI, UART/USART	I ² C, SPI, UART/USART	I ² C, SPI, UART/USART	CANbus, I ² C, SPI, UART/USART
Series	dsPIC™ 30F	dsPIC™ 30F	dsPIC™ 30F	dsPIC™ 30F
RAM Size	2K x 8	2K x 8	2K x 8	2K x 8
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Data Converters	A/D 9x10b	A/D 13x12b	A/D 10x12b	A/D 6x10b
Package	Tube	Tube	Tape & Reel (TR)	Tube
Supplier Device Package	40-PDIP	40-PDIP	44-QFN (8x8)	28-SPDIP
Mounting Type	Through Hole	Through Hole	Surface Mount	Through Hole
Oscillator Type	Internal	Internal	Internal	Internal
Core Processor	dsPIC	dsPIC	dsPIC	dsPIC
EEPROM Size	1K x 8	1K x 8	1K x 8	1K x 8
Number of I/O	30	30	20	20
Speed	20 MIPS	30 MIPS	20 MIPS	20 MIPS
Package / Case	40-DIP (0.600", 15.24mm)	40-DIP (0.600", 15.24mm)	44-VQFN Exposed Pad	28-DIP (0.300", 7.62mm)
Peripherals	Brown-out Detect/Reset, Motor Control PWM, QEI, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, Motor Control PWM, QEI, POR, PWM, WDT

DSPIC30F4011-20I/P Datasheet PDF

Download DSPIC30F4011-20I/P pdf datasheets and Microchip Technology documentation for DSPIC30F4011-20I/P - Microchip Technology.

PCN Packaging

[Label and Packing Changes 23/Sep/2015.pdf](#)

[Packing Changes 10/Oct/2016.pdf](#)

PCN Assembly/Origin

2.73KHz.pdf

HTML Datasheet

16-bit Embedded Control Solutions.pdf

DSPIC30F4011, 4012 Data Sheet.pdf


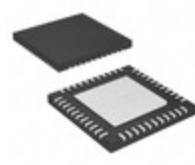

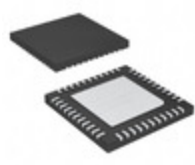






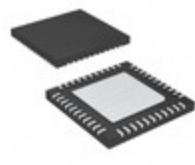


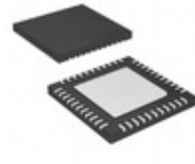


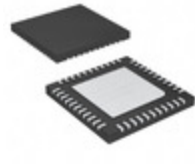

dsPIC30F Section 35. Serial Peripheral Interface(S).pdf

PCN Design/Specification

Wire Chg 13/Jan/2016.pdf

Customers Also Interested in

Recommended Products

					
DSPIC30F3014-30I/P Microchip Technology IC MCU 16BIT 24KB FLASH 40DIP	DSPIC30F3013T-20I/ML Microchip Technology IC MCU 16BIT 24KB FLASH 44QFN	DSPIC30F4012-20I/SP Microchip Technology IC MCU 16BIT 48KB FLASH 28SPDIP	DSPIC30F3013T-20E/ML Microchip Technology IC MCU 16BIT 24KB FLASH 44QFN	DSPIC30F4011-20E/P Microchip Technology IC MCU 16BIT 48KB FLASH 40DIP	DSPIC30F4011-20E/PT Microchip Technology IC MCU 16BIT 48KB FLASH 44TQFP
					
DSPIC30F4011-30I/PT Microchip Technology IC MCU 16BIT 48KB FLASH 44TQFP	DSPIC30F3014-30I/PT Microchip Technology IC MCU 16BIT 24KB FLASH 44TQFP	DSPIC30F4012-30I/SO Microchip Technology IC MCU 16BIT 48KB FLASH 28SOIC	DSPIC30F4011-20I/PT Microchip Technology IC MCU 16BIT 48KB FLASH 44TQFP	DSPIC30F3013T-30I/ML Microchip Technology IC MCU 16BIT 24KB FLASH 44QFN	DSPIC30F4012-20E/SO Microchip Technology IC MCU 16BIT 48KB FLASH 28SOIC
					
DSPIC30F4012-30I/SP Microchip Technology IC MCU 16BIT 48KB FLASH 28SPDIP	DSPIC30F3014T-30I/ML Microchip Technology IC MCU 16BIT 24KB FLASH 44QFN	DSPIC30F4011T-30I/PT Microchip Technology IC MCU 16BIT 48KB FLASH 44TQFP	DSPIC30F3014-20I/PT Microchip Technology IC MCU 16BIT 24KB FLASH 44TQFP	DSPIC30F4012-30I/ML Microchip Technology IC MCU 16BIT 48KB FLASH 44QFN	DSPIC30F4011-30I/P Microchip Technology IC MCU 16BIT 48KB FLASH 40DIP

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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Contact us if you have any questions.

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