

PIC®18FXX8 - MCU + CAN

A family of OTP/FLASH microcontrollers merging the power of the PIC18CXXX architecture with the robust Controller Area Network (CAN) Rev. 2.0B serial communication protocol. A wide spectrum of pinouts are offered including 28-40-64 & 84 lead devices. This family also provides the user with an industrial leading peripheral set, which includes 10-bit ADC with up to 16 Analog input channels, 3 16-bit Timers and 1 8-bit Timer, Enhanced CCP with up to 4 10-bit PWM outputs, serial communication support for I²C, SPI, RS232, RS485 and CAN, 2 analog comparators and a 8x8 hardware multiplier. An ideal choice for many CAN applications.

240800

Pins	Package	Description	Mfrs. List No.	Order Code	1+	25+	100+
18F248	28	SDIL 8-bit CMOS MCU, 16k FLASH, 768 bytes RAM - 40MHz (IND TEMP)	PIC18F248-I/SP	411-3676	542.00	329.00	302.00
248	28	SDIL High-Performance, Enhanced Flash Microcontrollers with CAN Module	PIC18F248-I/SP	113-7340	450.00	329.00	302.00
18F248	28	SOIC 8-bit CMOS MCU, 16k FLASH, 768 bytes RAM - 40MHz (IND TEMP)	PIC18F248-I/SO	976-2094	450.00	329.00	302.00
18F258	28	SDIL 8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP)	PIC18F258-I/SP	976-2132	491.00	358.00	329.00
18F258	28	SOIC 8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP)	PIC18F258-I/SO	976-2124	491.00	358.00	350.00
18LF258	28	SDIL 8-bit CMOS MCU, 32K FLASH, 1536 bytes RAM, wide voltage, with CAN- 40MHz (IND TEMP)	PIC18LF258-I/SP	976-2434	515.00	376.00	346.00
18F448	44	PLCC 8-bit CMOS MCU, 16k FLASH, 768 bytes RAM - 40MHz (IND TEMP)	PIC18F448-I/L	411-3767	505.00	380.00	356.00
18F448	44	PLCC 8-bit CMOS MCU, 16k FLASH, 768 bytes RAM - 40MHz (IND TEMP)	PIC18F448-I/L	121-2924	505.00	380.00	356.00
18F448	40	DIL 8-bit CMOS MCU, 16k FLASH, 768 bytes RAM - 40MHz (IND TEMP)	PIC18F448-I/P	976-2205	461.00	357.00	329.00
18F448	44	TQFP 8-bit CMOS MCU, 16k FLASH, 768 bytes RAM - 40MHz (IND TEMP)	PIC18F448-I/PT	976-2213	520.00	380.00	371.00
18F458	40	DIL 8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP)	PIC18F458-I/P	976-2264	498.00	363.00	354.00
18F458	44	PLCC 8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP)	PIC18F458-I/L	976-2256	542.00	407.00	382.00
18F458	44	TQFP 8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP)	PIC18F458-I/PT	976-2272	556.00	406.00	374.00
18LF458	40	DIL 8-bit CMOS MCU, 32K FLASH, 1536 bytes RAM, wide voltage, with CAN- 40MHz (IND TEMP)	PIC18LF458-I/P	976-2485	522.00	381.00	350.00
18LF458	44	PLCC 8-bit CMOS MCU, 32K FLASH, 1536 bytes RAM, wide voltage, with CAN- 40MHz (IND TEMP)	PIC18LF458-I/L	976-2477	569.00	428.00	402.00
18LF458	44	TQFP 8-bit CMOS MCU, 32K FLASH, 1536 bytes RAM, wide voltage, with CAN- 40MHz (IND TEMP)	PIC18LF458-I/PT	108-4332	585.00	427.00	393.00
18C658	68	PLCC 8-bit CMOS EPROM MCU, 16K OTP PROM, 1536 bytes RAM (IND TEMP)	PIC18C658-I/L	343-5064	843.00	511.00	499.00
658	68	PLCC High-Performance Microcontrollers with CAN Module	PIC18C658-I/L	113-7324	700.00	511.00	470.00

PIC®18Cxx2

The PIC18Cxx2 architecture, pack the power of an enhanced 16-bit core. Upward compatible from the PIC16CXXX. Single chip solution that complements digital logic. System-On-A-Chip (SOC) enhanced performance. Partitioning capability in embedded systems applications. More programme memory in the same footprint allows new software features demanded by ever changing markets.

240801

Pins	Package	Description	Mfrs. List No.	Order Code	1+	25+	100+
18C252	28	SDIL 8-bit CMOS EPROM MCU, 32K OTP PROM, 1536 bytes RAM (IND TEMP)	PIC18C252-I/SP	976-1942	421.00	317.00	297.00
18C252	28	SOIC 8-bit CMOS EPROM MCU, 8K OTP PROM, 1536 bytes RAM (IND TEMP, Low Power)	PIC18C252-I/SO	976-2396	443.00	333.00	312.00
18C452	44	PLCC 8-bit CMOS EPROM MCU, 32K OTP PROM, 1536 bytes RAM (IND TEMP)	PIC18C452-I/L	976-1969	518.00	378.00	369.00
18C452	40	DIL 8-bit CMOS EPROM MCU, 32K OTP PROM, 1536 bytes RAM (IND TEMP)	PIC18C452-I/P	108-4301	465.00	340.00	313.00
18C452	40	DIL 8-bit CMOS EPROM MCU, 32K EPROM, 1536 bytes RAM	PIC18C452/JW	332-3456	1,191.00	836.00	834.00
18LC452	44	PLCC 8-bit CMOS EPROM MCU, 32K OTP PROM, 1536 bytes RAM (IND TEMP, Low Power)	PIC18LC452-I/L	976-2400	541.00	407.00	381.00

PIC30F2011/2012 Digital Signal Controllers



The dsPIC30F2011/2012 are 16-Bit Single-Chip High performance Digital Signal Controllers (DSC)

Device	Programme Memory		SRAM	Timer	Input	Output Comp/Std	A/D 12-bit	UART	SPI™	I ² C™
	Bytes	Instructions	Bytes	16-bit	Cap	PWM	100 Ksps		Quantity	Quantity
dsPIC30F2011	12K	4K	1024	3	2	2	8 ch	1	1	1
dsPIC30F2012	12K	4K	1024	3	2	2	10 ch	1	1	1

406035

Pins	Package	Description	Mfrs. List No.	Order Code	1+	25+	100+
2011	18	QFN 16-bit MCU/DSP with ICSP, I ² C, SPI, PWM, UART, 12 I/O ports, 20MIPS (IND TEMP)	DSPIC30F2011-20I/ML	938-5851	350.00	239.00	221.00
2011	18	DIL 16-bit MCU/DSP with ICSP, I ² C, SPI, PWM, UART, 12 I/O ports, 20MIPS (IND TEMP)	DSPIC30F2011-20I/P	938-5860	334.00	242.00	224.00
2011	18	SOIC 16-bit MCU/DSP with ICSP, I ² C, SPI, PWM, UART, 12 I/O ports, 20MIPS (IND TEMP)	DSPIC30F2011-20I/SO	938-5878	334.00	224.00	207.00
2012	28	QFN 16-bit MCU/DSP with ICSP, I ² C, SPI, PWM, UART, 20 I/O ports, 20MIPS (IND TEMP)	DSPIC30F2012-20I/ML	938-5886	385.00	246.00	228.00
2012	28	SDIL 16-bit MCU/DSP with ICSP, I ² C, SPI, PWM, UART, 20 I/O ports, 20MIPS (IND TEMP)	DSPIC30F2012-20I/SP	938-5894	368.00	240.00	223.00
2012	28	SOIC 16-bit MCU/DSP with ICSP, I ² C, SPI, PWM, UART, 20 I/O ports, 20MIPS (IND TEMP)	DSPIC30F2012-20I/SO	938-5908	365.00	232.00	214.00

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Pins	Pkg	Description	Mfrs. List No.	Order Code	1+	25+	100+
30F6010	80	TQFP 16-bit MCU/DSP with ICSP, 68 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6010A-20I/PTG	989-2362	1,328.00	750.00	708.00
30F6011	64	TQFP 16-bit MCU/DSP with ICSP, 54 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6011A-20I/PTG	989-2370	1,107.00	625.00	590.00
30F6012	64	TQFP 16-bit MCU/DSP with ICSP, 54 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6012A-20I/PTG	989-2389	1,230.00	694.00	656.00
30F6013	80	TQFP 16-bit MCU/DSP with ICSP, 68 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6013A-20I/PTG	989-2397	1,172.00	661.00	625.00
30F6014	80	TQFP 16-bit MCU/DSP with ICSP, 68 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6014A-20I/PTG	989-2400	1,295.00	731.00	691.00

Microchip's Mature PICmicro® Microcontroller Product Line

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These Mature Products are NOT recommended for new designs. (Microchip do not have any current plans to make these parts obsolete)

For new designs please consult the previous section of this catalogue, where the latest, more cost effective PICmicro® are featured.

Farnell In One offer a wide range of PICmicros.

We can support existing families from stock and continue to bring the newest generations of PICmicros to market.

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