

# MICROCHIP PICMicro Microcontroller Family



MCU / MPU

Microchip

## MICROCHIP PIC16FXXX FLASH MCUS (CONT.)

\* Upwardly Compatible with PIC16Cxxx/PIC16C5x/PIC12Cxxx, 4-12 Interrupts, \* ICSP/PTM; BOR/PBOR; 2-8 bit, 1-16 bit Timer; 1-WDT. 200ns Instruction Execution, 35 Instructions, 4 Oscillator Selections, 25mA Source/Sink per I/O.

MOUSER STOCK NO.	Microchip Part No.	Package Type	Program Memory		RAM Bytes	I/O Pins	Max MHz	Price Each		
			Bytes	OTPW				1	25	100
◆ 579-PIC16F73ISO	PIC16F73-I/SO	SOIC-28	7168	4096x14	192	22	20	5.62	4.33	3.27
◆ 579-PIC16F73ISP	PIC16F73-I/SP	SPDIP-28	7168	4096x14	192	22	20	5.62	4.33	3.27
◆ 579-PIC16F74IL	PIC16F74-I/L	PLCC-44	7168	4096x14	192	33	20	7.66	5.90	4.66
◆ 579-PIC16F74IP	PIC16F74-I/P	PDIP-40	7168	4096x14	192	33	20	6.84	5.27	3.97
◆ 579-PIC16F87304SO	PIC16F873-04/SO	SOIC-28	7168	4096x14	192	22	20	7.46	5.75	4.33
◆ 579-PIC16F87304SP	PIC16F873-04/SP	SPDIP-28	7168	4096x14	192	22	20	7.46	5.75	4.33
◆ 579-PIC16F87304ISO	PIC16F873-04/I/SO	SOIC-28	7168	4096x14	192	22	20	8.21	6.33	5.25
◆ 579-PIC16F87304ISP	PIC16F873-04/I/SP	SPDIP-28	7168	4096x14	192	22	20	8.21	6.33	5.00
◆ 579-PIC16F873-20/SP	PIC16F873-20/SP	SPDIP-28	7168	4096x14	192	22	20	7.99	6.16	4.87
◆ 579-PIC16F873A-I/SO	PIC16F873A-I/SO	SOIC-28	7168	4096x14	192	22	20	6.86	5.29	3.98
◆ 579-PIC16F873A-I/SP	PIC16F873A-I/SP	SPDIP-28	7168	4096x14	192	22	20	6.86	5.29	3.98
◆ 579-PIC16F87404L	PIC16F874-04/L	PLCC-44	7168	4096x14	192	33	20	9.12	7.03	6.12
◆ 579-PIC16F87404P	PIC16F874-04/P	PDIP-40	7168	4096x14	192	33	20	8.14	6.27	4.97
◆ 579-PIC16F87404IL	PIC16F874-04/I/L	PLCC-44	7168	4096x14	192	33	20	10.03	7.73	6.74
◆ 579-PIC16F87404IP	PIC16F874-04/I/P	PDIP-40	7168	4096x14	192	33	20	8.95	6.90	5.46
◆ 579-PIC16F87404IPT	PIC16F874-04/I/PT	TQFP-64	7168	4096x14	192	33	20	12.07	9.31	7.36
◆ 579-PIC16F87420L	PIC16F874-20/L	PLCC-44	7168	4096x14	192	33	20	9.74	7.51	6.55
◆ 579-PIC16F87420P	PIC16F874-20/P	PDIP-40	7168	4096x14	192	33	20	8.71	6.72	5.32
◆ 579-PIC16F874A-I/P	PIC16F874A-I/P	PDIP-40	7168	4096x14	192	33	20	7.49	5.77	4.35
◆ 579-PIC16LF87304SO	PIC16LF873-04/SO	SOIC-28	7168	4096x14	192	22	20	7.85	6.05	5.02
◆ 579-PIC16LF87304SP	PIC16LF873-04/SP	SPDIP-28	7168	4096x14	192	22	20	7.85	6.05	4.77
◆ 579-PIC16F648A-I/P	PIC16F648A-I/P	PDIP-18	7168	4096x14	256	16	20	3.65	2.81	1.83
◆ 579-PIC16F737-I/SP	PIC16F737-I/SP	SDIP-28	7168	4096x14	368	25	20	6.24	4.81	3.35
◆ 579-PIC16F747-I/P	PIC16F747-I/P	PDIP-40	7168	4096x14	368	36	20	7.18	5.53	3.85
◆ 579-PIC16F88-I/P	PIC16F88-I/P	PDIP-18	7168	4096x14	368	16	20	4.80	3.70	2.41
◆ 579-PIC16F767-I/SP	PIC16F767-I/SP	SDIP-28	14336	8192x14	368	25	20	7.25	5.59	3.89
◆ 579-PIC16F76-I/SP	PIC16F76-I/SP	SPDIP-28	14336	8192x14	368	22	20	7.08	5.46	4.10
◆ 579-PIC16F777-I/P	PIC16F777-I/P	PDIP-40	14336	8192x14	368	36	20	7.99	6.16	4.27
◆ 579-PIC16F77-I/L	PIC16F77-I/L	PLCC-44	14336	8192x14	368	33	20	8.76	6.75	5.33
◆ 579-PIC16F77IP	PIC16F77-I/P	PDIP-40	14336	8192x14	368	33	20	7.82	6.03	4.53
◆ 579-PIC16F87620SO	PIC16F876-20/SO	SOIC-28	14336	8192x14	368	22	20	8.64	6.66	5.25
◆ 579-PIC16F87620SP	PIC16F876-20/SP	SPDIP-28	14336	8192x14	368	22	20	8.64	6.66	5.25
◆ 579-PIC16F876A-I/SO	PIC16F876A-I/SO	SOIC-28	14336	8192x14	368	22	20	7.39	5.70	4.29
◆ 579-PIC16F876A-I/SP	PIC16F876A-I/SP	SPDIP-28	14336	8192x14	368	22	20	7.39	5.70	4.29
◆ 579-PIC16F87704P	PIC16F877-04/P	PDIP-40	14336	8192x14	368	33	20	8.81	6.79	5.11
◆ 579-PIC16F87704IL	PIC16F877-04/I/L	PLCC-44	14336	8192x14	368	33	20	10.82	8.34	7.27
◆ 579-PIC16F87704IP	PIC16F877-04/I/P	PDIP-40	14336	8192x14	368	33	20	9.67	7.46	5.61
◆ 579-PIC16F87720P	PIC16F877-20/P	PDIP-40	14336	8192x14	368	33	20	9.41	7.25	5.46
◆ 579-PIC16F877A-I/P	PIC16F877A-I/P	PDIP-40	14336	8192x14	368	33	20	8.06	6.22	4.68
◆ 579-PIC16F877A-I/PT	PIC16F877A-I/PT	TQFP-64	14336	8192x14	368	33	20	9.29	7.16	5.40
◆ 579-PIC16LF87604ISO	PIC16LF876-04/I/SO	SOIC-28	14336	8192x14	368	22	20	9.29	7.16	5.67
◆ 579-PIC16LF87604ISP	PIC16LF876-04/I/SP	SPDIP-28	14336	8192x14	368	22	20	9.29	7.16	5.67
◆ 579-PIC16LF87704L	PIC16LF877-04/L	PLCC-44	14336	8192x14	368	33	20	10.34	7.97	6.95

## MICROCHIP PIC18FXXX FLASH MCUS

\* Upwardly Compatible with PIC18CXXX/PIC17CXXX/PIC16CXX/PIC16C5X/PIC12CXXX, 77 Instructions, C Compiler Efficient Instruction Set, Software Stack Capability, Table Read/Write, 10 MIPS, 4x PLL, Switchable Oscillator Sources, 25mA Source/Sink per I/O.

MOUSER STOCK NO.	Microchip Part No.	Package Type	CPU Speed (MIPs)	Flash Memory	RAM Bytes	I/O Pins	Max MHz	Price Each		
								1	25	100
◆ 579-PIC18F2220-I/SP	PIC18F2220-I/SP	SPDIP-28	4096	2048x16	512	25	40	7.68	5.92	4.45
◆ 579-PIC18F4220-I/P	PIC18F4220-I/P	PDIP-40	4096	2048x16	512	36	40	8.47	6.53	4.91
◆ 579-PIC18F1320-I/P	PIC18F1320-I/P	PDIP-18	8192	4096x16	256	16	40	4.92	3.79	3.15
◆ 579-PIC18F2320-I/SP	PIC18F2320-I/SP	SPDIP-28	8192	4096x16	512	25	40	8.30	6.40	4.82
◆ 579-PIC18F4320-I/P	PIC18F4320-I/P	PDIP-40	8192	4096x16	512	36	40	9.12	7.03	5.29
◆ 579-PIC18F242-I/SO	PIC18F242-I/SO	SOIC-28	16384	8192x16	768	22	40	8.14	6.27	4.73
◆ 579-PIC18F242-I/SP	PIC18F242-I/SP	SPDIP-28	16384	8192x16	768	22	40	8.14	6.27	4.73
◆ 579-PIC18F248-I/SO	PIC18F248-I/SO	SOIC-28	16384	8192x16	768	23	40	9.77	7.53	5.67
◆ 579-PIC18F248-I/SP	PIC18F248-I/SP	SPDIP-28	16384	8192x16	768	23	40	9.77	7.53	5.67
◆ 579-PIC18F442-I/P	PIC18F442-I/P	PDIP-40	16384	8192x16	768	34	40	9.07	6.99	5.26
◆ 579-PIC18F448-I/P	PIC18F448-I/P	PDIP-40	16384	8192x16	768	34	40	10.01	7.71	5.81
◆ 579-PIC18F2539-I/SP	PIC18F2539-I/SP	SPDIP-28	24576	12288x16	1408	21	40	8.88	6.85	5.15
◆ 579-PIC18F4539-I/P	PIC18F4539-I/P	PDIP-40	24576	12288x16	1408	32	40	9.84	7.59	5.70
◆ 579-PIC18C252-I/SO	PIC18C252-I/SO	SOIC-28	32768	16384x16	1536	23	40	9.14	7.05	5.57
◆ 579-PIC18C252-I/SP	PIC18C252-I/SP	SPDIP-28	32768	16384x16	1536	23	40	9.14	7.05	5.57
◆ 579-PIC18F252-I/SO	PIC18F252-I/SO	SOIC-28	32768	16384x16	1536	23	40	8.88	6.85	5.15
◆ 579-PIC18F252-I/SP	PIC18F252-I/SP	SPDIP-28	32768	16384x16	1536	23	40	8.88	6.85	5.15
◆ 579-PIC18F258-I/SO	PIC18F258-I/SO	SOIC-28	32768	16384x16	1536	23	40	10.66	8.21	6.17
◆ 579-PIC18F258-I/SP	PIC18F258-I/SP	SPDIP-28	32768	16384x16	1536	23	40	10.66	8.21	6.17
◆ 579-PIC18F452-I/P	PIC18F452-I/P	PDIP-40	32768	16384x16	1536	34	40	9.84	7.59	5.70
◆ 579-PIC18F458-I/P	PIC18F458-I/P	PDIP-40	32768	16384x16	1536	34	40	10.80	8.33	6.26
◆ 579-PIC18F6520-I/PT	PIC18F6520-I/PT	TQFP-64	32768	16384x16	2048	52	40	11.26	8.68	6.52
◆ 579-PIC18F8520-I/PT	PIC18F8520-I/PT	TQFP-80	32768	16384x16	2048	68	40	11.81	9.10	6.85
◆ 579-PIC18F6585-I/PT	PIC18F6585-I/PT	TQFP-64	49152	24576x16	3328	52	40	13.56	10.45	7.87
◆ 579-PIC18F6525-I/PT	PIC18F6525-I/PT	TQFP-64	49152	24576x16	3840	52	40	12.65	9.75	7.33
◆ 579-PIC18F6680-I/PT	PIC18F6680-I/PT	TQFP-64	65536	62768x16	3328	52	40	14.54	11.21	8.44
◆ 579-PIC18F8680-I/PT	PIC18F8680-I/PT	TQFP-80	65536	62768x16	3328	68	40	15.17	11.69	8.80
◆ 579-PIC18F6620-I/PT	PIC18F6620-I/PT	TQFP-64	65536	32768x16	3840	52	40	16.66	12.84	9.65
◆ 579-PIC18F6621-I/PT	PIC18F6621-I/PT	TQFP-64	65536	32768x16	3840	52	40	13.56	10.45	7.87
◆ 579-PIC18F8620-I/PT	PIC18F8620-I/PT	TQFP-80	65536	62768x16	3840	68	40	16.87	13.01	9.79
◆ 579-PIC18F8621-I/PT	PIC18F8621-I/PT	TQFP-80	65536	62768x16	3840	68	40	14.23	10.97	8.25
◆ 579-PIC18F6720-I/PT	PIC18F6720-I/PT	TQFP-64	131072	65536x16	3840	40	40	18.50	14.26	10.73
◆ 579-PIC18F8720-I/PT	PIC18F8720-I/PT	TQFP-80	131072	65536x16	3840	68	40	18.79	14.49	10.90

## MICROCHIP PIC24 MCUS

16-bit PIC24 microcontrollers offer a new level of performance and higher integration.

Features supporting this compatibility between these families include common:

- Instruction set & architecture (dsPIC DSCs add DSP capability)
- Pin-out
- Peripherals
- Tool Suite including MPLAB® IDE, C30 C Compiler & MPLAB® PM3 Programmer

MOUSER STOCK NO.	Microchip Part No.	Package Type	CPU Speed (MIPs)	Flash Memory	RAM Bytes	I/O Pins	Max MHz	Price Each		
								1	25	100
◆ 579-24FJ128GA006IPT	PIC24FJ128GA006-I/PT	TQFP-64	16	128KB	8192	53	32	9.14	7.05	4.78
◆ 579-24FJ128GA008IPT	PIC24FJ128GA008-I/PT	TQFP-80	16	128KB	8192	69	32	10.42	8.03	5.44
◆ 579-24FJ128GA010IPF	PIC24FJ128GA010-I/PF	TQFP-100	16	128KB	8192	84	32	12.98	10.01	6.78
◆ 579-24HJ256GP206IPT	PIC24HJ256GP206-I/PT	TQFP-64	40	256KB	8192	53	32	13.08	10.08	6.83
◆ 579-24HJ256GP610IPF	PIC24HJ256GP610-I/PF	TQFP-100	40	256KB	16384	84	32	17.95	13.84	9.38
◆ 579-24HJ64GP506IPT	PIC24HJ64GP506-I/PT	TQFP-64	40	64KB	8192	53	32	9.46	7.29	4.94

