

MICROCHIP PICMicro Microcontroller Family



RoHS Compliant This product is RoHS compliant.

MICROCHIP PIC18XXX FLASH MCUs

MOUSER STOCK NO.		Package Type	Description	Price Each			
Mfr.	Mfr. Part No.			1	10	25	100
579	PIC18F4523-I/P	PDIP-40	32KB, 1536-RAM, 36I/O	6.18	5.15	4.72	4.27
579	PIC18F4523-I/PT	TQFP-44	32KB, 1536-RAM, 36I/O	6.06	5.05	4.63	4.19
579	PIC18F4550-I/P	PDIP-40	32KB, 2048 RAM	5.36	4.47	4.36	4.26
579	PIC18F4550-I/PT	TQFP-44	32KB, 2048 RAM	5.26	4.38	4.28	4.18
579	PIC18F4580-I/P	PDIP-40	32KB, 1536 RAM, CAN	6.41	5.34	5.22	5.09
579	PIC18F4580-I/PT	TQFP-44	32KB, 1536 RAM, CAN	6.31	5.26	5.13	5.01
579	PIC18F4510-I/P	PDIP-40	32KB, 1 KB RAM	3.17	2.64	2.42	2.18
579	PIC18F4510-I/PT	TQFP-44	32KB, 1024 RAM	2.99	2.49	2.28	2.06
579	PIC18F4520-I/ML	QFN-44	32KB, 1536-RAM, 36I/O	3.54	2.95	2.70	2.45
579	PIC18F4520-I/P	PDIP-40	32KB, 1536-RAM, 36I/O	3.35	2.79	2.56	2.32
579	PIC18F4520-I/PT	TQFP-44	32KB, 1536-RAM, 36I/O	3.24	2.70	2.47	2.24
579	PIC18F4610-I/P	PDIP-40	64KB, 3804 RAM, 36 I/O	5.95	4.96	4.84	4.72
579	PIC18F4610-I/PT	TQFP-44	64KB, 3804 RAM, 36 I/O	5.84	4.87	4.76	4.64
579	PIC18F4620-I/P	PDIP-40	64KB, 3804 RAM, 36 I/O	6.25	5.21	5.08	4.96
579	PIC18F4620-I/PT	TQFP-44	64KB, 3804 RAM, 36 I/O	6.14	5.12	5.00	4.88
579	PIC18F4680-I/P	PDIP-40	64KB, 3328 RAM, w/ECAN	7.68	6.40	6.25	6.10
579	PIC18F4680-I/PT	TQFP-44	64KB, 3328 RAM, w/ECAN	7.58	6.32	6.17	6.02
579	PIC18F1320-I/P	PDIP-18	8KB, 256 RAM, 16 I/O	3.23	2.69	2.62	2.56
579	PIC18F4220-I/SP	SPDIP-28	4KB, 512 RAM, 25 I/O	5.64	4.70	4.58	4.45
579	PIC18F2320-I/SP	SPDIP-28	8KB, 512 RAM, 25 I/O	6.11	5.09	4.96	4.82
579	PIC18F4220-I/P	PDIP-40	4KB, 512 RAM, 36 I/O	6.22	5.18	5.05	4.91
579	PIC18F4320-I/P	PDIP-40	8KB, 512 RAM, 36 I/O	6.71	5.59	5.44	5.29
579	PIC18F4539-I/P	PDIP-40	24KB, 1408 RAM, 32 I/O	7.22	6.02	5.86	5.70
579	PIC18F4685-I/P	PDIP-44	96KB, 3328-RAM, ECAN	10.15	8.46	7.76	7.02
579	PIC18F4685-I/PT	TQFP-44	96KB, 3328-RAM, ECAN	10.03	8.36	7.67	6.94
579	PIC18F6310-I/PT	TQFP-64	8KB, 768 RAM, 68 I/O	3.62	3.02	2.95	2.88
579	PIC18F6390-I/PT	TQFP-64	8KB, 768 RAM, 68 I/O	3.83	3.19	3.12	3.04
579	PIC18F6410-I/PT	TQFP-64	16KB, 768 RAM, 68 I/O	4.13	3.44	3.36	3.28
579	PIC18F6490-I/PT	TQFP-64	16KB, 768 RAM, 68 I/O	4.33	3.61	3.53	3.44

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579	PIC18F6520-I/PT	TQFP-64	32KB, 2048 RAM, 52 I/O	8.27	6.89	6.71	6.52
579	PIC18F6527-I/PT	TQFP-64	48KB, 4K RAM, 70 I/O	7.63	6.36	5.83	5.28
579	PIC18F6585-I/PT	TQFP-64	48KB, 3328 RAM, CAN	9.97	8.31	8.09	7.87
579	PIC18F6510-I/PT	TQFP-64	32KB, 2KB RAM	3.72	3.10	2.84	2.58
579	PIC18F6622-I/PT	TQFP-64	64KB, 4K RAM, 70 I/O	8.44	7.03	6.45	5.84
579	PIC18F6680-I/PT	TQFP-64	64KB, 3328 RAM, 52 I/O	10.69	8.91	8.68	8.44
579	PIC18F6610-I/PT	TQFP-64	64KB, 2KB RAM	4.12	3.43	3.14	2.85
579	PIC18F6610-I/PT	TQFP-64	64KB, 12KB, 10BASE-T	5.56	4.63	4.24	3.84
579	PIC18F6722-I/PT	TQFP-64	128KB, 4K RAM, 70 I/O	9.88	8.23	8.04	7.84
579	PIC18F6710-I/PT	TQFP-64	128KB, 4K RAM	4.58	3.82	3.50	3.17
579	PIC18F6710-I/PT	TQFP-64	128KB, 3936 RAM, 10 MIPS, Full Speed USB 2.0	5.27	4.39	4.03	3.65
579	PIC18F6710-I/PT	TQFP-64	128KB, 12KB, 10BASE-T	6.04	5.03	4.61	4.18
579	PIC18F8310-I/PT	TQFP-80	8KB, 768 RAM, 70 I/O	4.33	3.61	3.53	3.44
579	PIC18F8390-I/PT	TQFP-80	8KB, 768 RAM, 66 I/O	4.54	3.78	3.69	3.60
579	PIC18F8410-I/PT	TQFP-80	16KB, 768 RAM, 70 I/O	4.84	4.03	3.94	3.84
579	PIC18F8490-I/PT	TQFP-80	16KB, 768 RAM, 66 I/O	5.04	4.20	4.10	4.00
579	PIC18F8520-I/PT	TQFP-80	32KB, 2048 RAM, 68 I/O	8.69	7.24	7.05	6.85
579	PIC18F8622-I/PT	TQFP-80	64KB, 4K RAM, 70 I/O	9.13	7.61	6.98	6.32
579	PIC18F8680-I/PT	TQFP-80	64KB, 3328 RAM, 68 I/O	11.15	9.29	9.05	8.80
579	PIC18F8610-I/PT	TQFP-80	64KB, 2KB RAM	4.54	3.78	3.46	3.14
579	PIC18F8610-I/PT	TQFP-80	64KB, 12KB, 10BASE-T	5.99	4.99	4.58	4.14
579	PIC18F8722-I/PT	TQFP-80	128KB, 4K RAM, 70 I/O	10.49	8.74	8.53	8.32
579	PIC18F8710-I/PT	TQFP-80	128KB, 4KB RAM	4.99	4.16	3.82	3.46
579	PIC18F8710-I/PT	TQFP-80	128KB, 3936 RAM, 10 MIPS, Full Speed USB 2.0	5.69	4.74	4.35	3.94
579	PIC18F8710-I/PT	TQFP-80	128KB, 12KB RAM, 10BASE-T	6.48	5.40	4.95	4.48
579	PIC18F9610-I/PT	TQFP-100	64KB, 12KB RAM, 10BASE-T	6.34	5.28	4.84	4.38

MCU / MPU / DSP

Microchip

MICROCHIP 16-BIT PIC24 FLASH 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, Real Ice, Explorer 16 Development Board

16 MIPS

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each				
				1	10	25	100	
579	PIC24FJ32GA002SO	PIC24FJ32GA002-I/SO	SOIC-28	32KB, Flash, 8192bytes-RAM, 16MIPS, 21I/O	3.44	2.87	2.63	2.38
579	PIC24FJ32GA002SP	PIC24FJ32GA002-I/SP	SPDIP-28	32KB, Flash, 8192bytes-RAM, 16MIPS, 21I/O	3.67	3.06	2.81	2.54
579	PIC24FJ32GA004I/PT	PIC24FJ32GA004-I/PT	TQFP-44	32KB, Flash, 8192bytes-RAM, 16MIPS, 35I/O	3.79	3.16	2.90	2.62
579	PIC24FJ48GA002ISO	PIC24FJ48GA002-I/SO	SOIC-28	16-bit Family, 16 MIPS, 48KB Flash, 8192 bytes RAM, 21 I/O	3.79	3.16	2.90	2.62
579	PIC24FJ48GA002ISP	PIC24FJ48GA002-I/SP	SPDIP-28	16-bit Family, 16 MIPS, 48KB Flash, 8192 bytes RAM, 21 I/O	4.02	3.35	3.07	2.78
579	PIC24FJ48GA002I/SS	PIC24FJ48GA002-I/SS	SSOP-28	16-bit Family, 16 MIPS, 48KB Flash, 8192 bytes RAM, 21 I/O	3.74	3.12	2.86	2.59
579	PIC24FJ48GA004I/PT	PIC24FJ48GA004-I/PT	TQFP-44	16-bit Family, 16 MIPS, 48KB Flash, 8192 bytes RAM, 35 I/O	4.14	3.45	3.16	2.86
579	PIC24FJ64GA002SO	PIC24FJ64GA002-I/SO	SOIC-28	64KB, Flash, 8192bytes-RAM, 16MIPS, 21I/O	4.14	3.45	3.16	2.86
579	PIC24FJ64GA004I/PT	PIC24FJ64GA004-I/PT	TQFP-44	64KB, Flash, 8192bytes-RAM, 16MIPS, 35I/O	4.49	3.74	3.43	3.10
579	PIC24FJ64GA006I/PT	PIC24FJ64GA006-I/PT	TQFP-64	64KB Flash, 8 Kb RAM, 53 I/O	5.04	4.20	3.85	3.49
579	PIC24FJ64GA008I/PT	PIC24FJ64GA008-I/PT	TQFP-80	64KB Flash, 8 Kb RAM, 69 I/O	5.46	4.55	4.17	3.78
579	PIC24FJ64GA010I/PT	PIC24FJ64GA010-I/PT	TQFP-100	64KB Flash, 8 Kb RAM, 84 I/O	5.81	4.84	4.43	4.02
579	PIC24FJ96GA006I/PT	PIC24FJ96GA006-I/PT	TQFP-64	96KB Flash, 8 Kb RAM, 53 I/O	5.23	4.36	3.99	3.62
579	PIC24FJ96GA008I/PT	PIC24FJ96GA008-I/PT	TQFP-80	96KB Flash, 8 Kb RAM, 69 I/O	5.66	4.72	4.33	3.92
579	PIC24FJ96GA010I/PT	PIC24FJ96GA010-I/PT	TQFP-100	96KB Flash, 8 Kb RAM, 84 I/O	6.01	5.01	4.59	4.16
579	PIC24FJ128GA006I/PT	PIC24FJ128GA006-I/PT	TQFP-64	128KB Flash, 8 Kb RAM, 53 I/O	5.53	4.61	4.22	3.82
579	PIC24FJ128GA008I/PT	PIC24FJ128GA008-I/PT	TQFP-80	128KB Flash, 8 Kb RAM, 69 I/O	5.94	4.95	4.54	4.11
579	PIC24FJ128GA010I/PT	PIC24FJ128GA010-I/PT	TQFP-100	128KB Flash, 8 Kb RAM, 84 I/O	7.45	6.21	5.69	5.15
579	PIC24J256GA110I/PT	PIC24J256GA110-I/PT	TQFP-100	16-bit, 16 MIPS, 256KB Flash, 8192 bytes RAM, 85 I/O	8.51	7.09	6.50	5.89
579	PIC24J256GA110I/PT	PIC24J256GA110-I/PT	TQFP-100	16-bit, 16 MIPS, 256KB Flash, 8192 bytes RAM, 85 I/O	7.36	6.13	5.62	5.09
579	PIC24J256GB110I/PT	PIC24J256GB110-I/PT	TQFP-100	16-bit, 16 MIPS, 256KB Flash, 8192 bytes RAM, 84 I/O,USB OTG	9.13	7.61	6.98	6.32
579	PIC24J256GB110I/PT	PIC24J256GB110-I/PT	TQFP-100	16-bit, 16 MIPS, 256KB Flash, 8192 bytes RAM, 84 I/O,USB OTG	7.98	6.65	6.10	5.52

40 MIPS

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each				
				1	10	25	100	
579	PIC24HJ256GP206I/PT	PIC24HJ256GP206-I/PT	TQFP-64	16 Bit MCU40MIPS 256KB Flash	6.84	5.70	5.23	4.74
579	PIC24HJ256GP610I/PT	PIC24HJ256GP610-I/PT	TQFP-100	16 Bit MCU40MIPS 256KB Flash	10.00	8.33	7.63	6.91
579	PIC24HJ64GP506I/PT	PIC24HJ64GP506-I/PT	TQFP-64	16 Bit MCU40MIPS 64KB Flash, CAN	6.08	5.07	4.65	4.21
579	PIC24HJ128GP202I/ML	PIC24HJ128GP202-I/ML	QFN-28	16-bit MCU, 28LD, 128KB Flash, DMA, 40 MIPS, nanoWatt	5.88	4.90	4.49	4.06
579	PIC24HJ128GP202ISO	PIC24HJ128GP202-I/SO	SOIC-28	16-bit MCU, 28LD, 128KB Flash, DMA, 40 MIPS, nanoWatt	5.69	4.74	4.35	3.94
579	PIC24HJ128GP202ISP	PIC24HJ128GP202-I/SP	SPDIP-28	16-bit MCU, 28LD, 128KB Flash, DMA, 40 MIPS, nanoWatt	5.92	4.93	4.52	4.10
579	PIC24HJ128GP204I/PT	PIC24HJ128GP204-I/PT	TQFP-44	16-bit MCU, 44LD, 128KB Flash, DMA, 40 MIPS, nanoWatt	6.08	5.07	4.65	4.21
579	PIC24HJ128GP206I/PT	PIC24HJ128GP206-I/PT	TQFP-64	16 Bit MCU 64LD 128KB Flash	6.16	5.13	4.70	4.26
579	PIC24HJ128GP310I/PT	PIC24HJ128GP310-I/PT	TQFP 100	16 Bit MCU 100LD 128KB Flash	7.43	6.19	5.67	5.14
579	PIC24HJ128GP502I/ML	PIC24HJ128GP502-I/ML	QFN-S-28	16-bit MCU, 28LD, 128KB Flash, CAN, DMA, 40 MIPS, nanoWatt	6.22	5.18	4.75	4.30
579	PIC24HJ128GP502ISO	PIC24HJ128GP502-I/SO	SOIC-28	16-bit MCU, 28LD, 128KB Flash, CAN, DMA, 40 MIPS, nanoWatt	6.04	5.03	4.61	4.18
579	PIC24HJ128GP502ISP	PIC24HJ128GP502-I/SP	SPDIP-28	16-bit MCU, 28LD, 128KB Flash, CAN, DMA, 40 MIPS, nanoWatt	6.26	5.22	4.79	4.34
579	PIC24HJ128GP504I/ML	PIC24HJ128GP504-I/ML	QFN-44	16-bit MCU, 44LD, 128KB Flash, CAN, DMA, 40 MIPS, nanoWatt	6.61	5.51	5.05	4.58
579	PIC24HJ128GP504I/PT	PIC24HJ128GP504-I/PT	TQFP-44	16-bit MCU, 44LD, 128KB Flash, CAN, DMA, 40 MIPS, nanoWatt	6.41	5.34	4.89	4.43
579	PIC24HJ128GP506I/PT	PIC24HJ128GP506-I/PT	TQFP 64	16 Bit MCU 64LD 128KB Flash, CAN	6.48	5.40	4.95	4.48
579	PIC24HJ12GP201I/PT	PIC24HJ12GP201-I/PT	PDIP 18	12KB Flash, 1KB RAM, 13 I/O	3.56	2.97	2.72	2.46
579	PIC24HJ12GP201SO	PIC24HJ12GP201-I/SO	SOIC 18	12KB Flash, 1KB RAM, 13 I/O	3.44	2.87	2.63	2.38
579	PIC24HJ12GP202I/ML	PIC24HJ12GP202-I/ML	QFN 28	12KB, Flash, 1024bytes-RAM, 21I/O	3.94	3.28	3.00	2.72

