

MICROCHIP PICMicro Microcontroller Family



RoHS Compliant This product is RoHS compliant.

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)
- Peripherals
- Pin-out
- Tool Suite including MPLAB® IDE, C30 C Compiler & MPLAB® PM3 Programmer, Real Ice, Explorer 16 Development Board

40 MIPS

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each			
				1	10	25	100
579-PIC24HJ12GP202SO	PIC24HJ12GP202-I/SO	SOIC-28	12KB, Flash, 1024bytes-RAM, 211/O	3.74	3.12	2.86	2.59
579-PIC24HJ12GP202ISS	PIC24HJ12GP202-I/SS	SSOP-28	28-pin, 12KB, Flash, 1024bytes-RAM, 40MIPS, 211/O, 16-bit Family, nanoWatt	3.69	3.08	2.83	2.56
579-PIC24HJ12GP202SP	PIC24HJ12GP202-I/SP	SPDIP-28		12KB, Flash, 1024bytes-RAM, 211/O	3.97	3.31	3.04
579-PIC24H16GP304IML	PIC24HJ16GP304-I/ML	QFN-44	16-bit MCU, 16KB Flash,	4.21	3.51	3.18	2.90
579-PIC24H16GP304IPT	PIC24HJ16GP304-I/PT	TQFP-44	16-bit MCU, 44LD, 16KB Flash, 40 MIPS, nanoWatt	4.00	3.34	3.04	2.76
579-PIC24H32GP202IMM	PIC24HJ32GP202-I/MM	QFN-S-28	16-bit MCU, 32KB Flash,	4.16	3.47	3.15	2.87
579-PIC24H32GP204IPT	PIC24HJ32GP204-I/PT	TQFP-44	16-bit MCU, 32KB Flash	4.14	3.45	3.14	2.85
579-PIC24H32GP202ISO	PIC24HJ32GP202-I/SO	SOIC-28	16-bit MCU, 28LD, 32KB Flash, 40 MIPS, nanoWatt	3.98	3.32	3.02	2.75
579-PIC24H32GP202ISP	PIC24HJ32GP202-I/SP	SPDIP-28	16-bit MCU, 28LD, 32KB Flash, 40 MIPS, nanoWatt	4.21	3.51	3.18	2.90
579-PIC24H32GP202ISP	PIC24HJ32GP202-I/SP	SPDIP-28	16-bit MCU, 28LD, 32KB Flash, 40 MIPS, nanoWatt	4.21	3.51	3.18	2.90
579-PIC24H32GP204IML	PIC24HJ32GP204-I/ML	QFN-44	16-bit MCU, 44LD, 32KB Flash, 40 MIPS, nanoWatt	4.27	3.56	3.23	2.94
579-PIC24J32GP302IMM	PIC24HJ32GP302-I/MM	QFN-28	16 Bit MCU, 28LD, 40MIPS, 32KB Flash	4.74	3.95	3.62	3.28
579-PIC24H32GP302ISO	PIC24HJ32GP302-I/SO	SOIC-28	16-bit MCU, 28LD, 32KB Flash, DMA, 40 MIPS, nanoWatt	4.56	3.80	3.48	3.15
579-PIC24H32GP302ISP	PIC24HJ32GP302-I/SP	SPDIP-28	16-bit MCU, 28LD, 32KB Flash, DMA, 40 MIPS, nanoWatt	4.78	3.99	3.66	3.31
579-PIC24H32GP304IML	PIC24HJ32GP304-I/ML	QFN-44	16-bit MCU, 44LD, 32KB Flash, DMA, 40 MIPS, nanoWatt	4.88	4.07	3.70	3.36
579-PIC24H32GP304IPT	PIC24HJ32GP304-I/PT	TQFP-44	16-bit MCU, 44LD, 32KB Flash, DMA, 40 MIPS, nanoWatt	4.69	3.91	3.55	3.23
579-24HJ256GP210IPT	PIC24HJ256GP210-I/PT	TQFP 100	16 Bit MCU 100LD 256KB Flash	7.65	6.38	5.85	5.30
579-24HJ256GP610IPT	PIC24HJ256GP610-I/PT	TQFP 100	16 Bit MCU 100LD 256KB Flash	8.40	7.00	6.41	5.81
579-24HJ64GP206IPT	PIC24HJ64GP206-I/PT	TQFP 64	16 Bit MCU 64LD 64KB Flash	5.59	4.66	4.28	3.87
579-PIC24J64GP202IMM	PIC24HJ64GP202-I/MM	QFN-28	16 Bit MCU, 28LD, 40MIPS, 64KB Flash	5.34	4.45	4.08	3.70
579-PIC24H64GP202ISO	PIC24HJ64GP202-I/SO	SOIC-28	16-bit MCU, 28LD, 64KB Flash, DMA, 40 MIPS, nanoWatt	5.16	4.30	3.94	3.57
579-PIC24H64GP202ISP	PIC24HJ64GP202-I/SP	SPDIP-28	16-bit MCU, 28LD, 64KB Flash, DMA, 40 MIPS, nanoWatt	5.38	4.49	4.12	3.73
579-PIC24H64GP204IML	PIC24HJ64GP204-I/ML	QFN-44	16-bit MCU, 44LD, 64KB Flash, DMA, 40 MIPS, nanoWatt	5.56	4.64	4.26	3.86
579-PIC24H64GP204IPT	PIC24HJ64GP204-I/PT	TQFP-44	16-bit MCU, 44LD, 64KB Flash, DMA, 40 MIPS, nanoWatt	5.43	4.53	4.15	3.76
579-PIC24H64GP502ISO	PIC24HJ64GP502-I/SO	SOIC-28	16-bit MCU, 28LD, 64KB Flash, CAN, DMA, 40 MIPS, nanoWatt	5.50	4.59	4.20	3.81
579-PIC24H64GP502ISP	PIC24HJ64GP502-I/SP	SPDIP-28	16-bit MCU, 28LD, 64KB Flash, CAN, DMA, 40 MIPS, nanoWatt	5.73	4.78	4.38	3.97
579-PIC24H64GP504IML	PIC24HJ64GP504-I/ML	QFN-44	16-bit MCU, 44LD, 64KB Flash, CAN, DMA, 40 MIPS, nanoWatt	6.13	5.11	4.68	4.24
579-PIC24H64GP504IPT	PIC24HJ64GP504-I/PT	TQFP-44	16-bit MCU, 44LD, 64KB Flash, CAN, DMA, 40 MIPS, nanoWatt	5.91	4.93	4.52	4.10

MICROCHIP 32-BIT PIC32 FLASH MCUs

Features:

- 10-Bit ADC
- Prefetch

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each			
				1	10	25	100
579-PIC32MX320F40IPT	PIC32MX320F032H-40I/PT	TQFP-64	32KB Flash, 8 KB RAM, 40 Mhz	5.11	4.26	3.90	3.54
579-PIC32MX064H40IMR	PIC32MX320F064H-40I/MR	QFN-64	64KB Flash, 16 KB RAM, 40 Mhz, 10-Bit ADC	5.68	4.74	4.35	3.94
579-PIC32MX064H80IMR	PIC32MX320F064H-80I/MR	QFN-64	64KB Flash, 16 KB RAM, 40 Mhz, 10-Bit ADC	5.94	4.95	4.54	4.11
579-PIC32MX32F64H80	PIC32MX320F064H-80I/PT	TQFP-64	64KB Flash, 16 KB RAM, 80 Mhz, 10-Bit ADC	5.80	4.84	4.43	4.02
579-PIC32MX32F64H80	PIC32MX320F064H-80I/PT	TQFP-64	64KB Flash, 16 KB RAM, 80 Mhz	5.80	4.84	4.43	4.02
579-PIC32MX32F128H80	PIC32MX320F128H-80I/PT	TQFP-64	128KB Flash, 16 KB RAM, 80 Mhz	6.20	5.17	4.73	4.29
579-PIC32MF128L80IPT	PIC32MX320F128L-80I/PT	TQFP-100	128KB Flash, 16 KB RAM, 80 Mhz	7.33	6.11	5.60	5.07
579-PIC32MF256H80IPT	PIC32MX340F256H-80I/PT	TQFP-64	256KB Flash, 32 KB RAM, 80 Mhz	7.12	5.94	5.44	4.93
579-PIC32MX36F256L80	PIC32MX360F256L-80I/PT	TQFP-100	256KB Flash, 32 KB RAM, 80 Mhz	7.90	6.59	6.04	5.47
579-PIC32MX25680IMR	PIC32MX440F256H-80I/MR	QFN-64	256KB Flash, 32 KB RAM, USB-OTG, 80 Mhz, 10-Bit ADC, DMA	7.70	6.42	5.88	5.33
579-PIC32MF512L80IPT	PIC32MX360F512L-80I/PT	TQFP-100	512KB Flash, 32 KB RAM, 80 Mhz	8.67	7.23	6.63	6.00

MICROCHIP DSPIC 16-BIT DIGITAL SIGNAL CONTROLLERS

30 MIPS

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	Price Each			
				1	10	25	100
579-DSPIC30101030ISO	DSPIC30F1010-30I/SO	SOIC-28	6KB, Flash, 256bytes-RAM, 211/O	4.69	3.91	3.55	3.23
579-DSPIC30F101030I	DSPIC30F1010-30I/SP	SPDIP-28	6KB, Flash, 256bytes-RAM, 211/O	4.90	4.09	3.71	3.38
579-DSPIC30F201130I	DSPIC30F2011-30I/P	DIP-18	16 Bit MCU/DSP 12KB Flash	3.81	3.18	2.89	2.63
579-DS30F201230ISO	DSPIC30F2012-30I/SO	SOIC-28	16 Bit MCU/DSP 12KB Flash	3.86	3.22	2.92	2.66
579-DS30F201230ISP	DSPIC30F2012-30I/SP	SPDIP-28	16 Bit MCU/DSP 12KB Flash	4.08	3.40	3.09	2.81
579-DSPIC30202030ISO	DSPIC30F2020-30I/SO	SOIC-28	12KB, Flash, 512bytes-RAM, 211/O	6.01	5.01	4.55	4.14
579-DSPIC30202030ISP	DSPIC30F2020-30I/SP	SPDIP-28	12KB, Flash, 512bytes-RAM, 211/O	6.24	5.20	4.72	4.29
579-DSPIC30202330IPT	DSPIC30F2023-30I/PT	TQFP-44	12KB, Flash, 512bytes-RAM, 35I/O	6.67	5.56	5.05	4.59
579-DSPF301030ISO	DSPIC30F3010-30I/SO	SOIC-28	16 Bit MCU/DSP 24KB Flash	5.01	4.18	3.80	3.45
579-DSPF301230I	DSPIC30F3012-30I/P	DIP-18	16 Bit MCU/DSP 24KB Flash	4.56	3.80	3.45	3.14
579-DSPF301330ISP	DSPIC30F3013-30I/SP	SPDIP-28	16 Bit MCU/DSP 24KB Flash	4.81	4.01	3.65	3.32
579-30F4011-30I/P	DSPIC30F4011-30I/P	DIP 40	16 Bit MCU/DSP 40LD 48KB Flash	6.84	5.70	5.17	4.70
579-30F4011-30I/PT	DSPIC30F4011-30I/PT	TQFP 44	16 Bit MCU/DSP 44LD 48KB Flash	6.67	5.56	5.05	4.59
579-30F4012-30I/SP	DSPIC30F4012-30I/SP	SPDIP-28	16 Bit MCU/DSP 48KB Flash	6.38	5.32	4.83	4.40
579-DSPF401330I	DSPIC30F4013-30I/P	DIP-40	16 Bit MCU/DSP 48KB Flash	6.66	5.55	5.04	4.58
579-DSPF401330IPT	DSPIC30F4013-30I/PT	TQFP-44	16 Bit MCU/DSP 48KB Flash	6.49	5.41	4.92	4.47
579-DS30F501530IPT	DSPIC30F5015-30I/PT	TQFP-64	16 Bit MCU/DSP 66KB Flash	8.43	7.03	6.39	5.81
579-DS306010A30IPT	DSPIC30F6010A-30I/PT	TQFP-80	16 Bit MCU/DSP 14KB Flash	12.22	10.19	9.26	8.42
579-DS30F6011A30IPT	DSPIC30F6011A-30I/PT	TQFP-64	16 Bit MCU/DSP 132KB Flash	11.44	9.54	8.66	7.88
579-DS30F6012A30IPT	DSPIC30F6012A-30I/PT	TQFP-64	16 Bit MCU/DSP 144KB Flash	11.55	9.63	8.75	7.95
579-DS30F6013A30IPT	DSPIC30F6013A-30I/PT	TQFP-80	16 Bit MCU/DSP 132KB Flash	11.85	9.88	8.98	8.16
579-DS30F6014A30IPT	DSPIC30F6014A-30I/PT	TQFP-80	16 Bit MCU/DSP 144KB Flash	12.03	10.03	9.11	8.28