

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)
- Pin-out
- Peripherals
- 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	3.70	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	2.75
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	4.01	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	4.25	3.54	3.22	2.93
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	4.45	3.71	3.37	3.06
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	4.79	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	7.88	6.57	6.02	5.46
579-24HJ256GP610IPT	PIC24HJ256GP610-I/PT	TQFP 100	16 Bit MCU 100LD 256KB Flash	8.83	7.36	6.75	6.11
579-24HJ64GP206IPT	PIC24HJ64GP206-I/PT	TQFP 64	16 Bit MCU 64LD 64KB Flash	5.71	4.76	4.36	3.95
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	5.39	4.49	4.12	3.73
579-PIC24H64GP204IML	PIC24HJ64GP204-I/ML	QFN-44	16-bit MCU, 44LD, 64KB Flash, DMA, 40 MIPS, nanoWatt	5.76	4.80	4.40	3.98
579-PIC24H64GP204IPT	PIC24HJ64GP204-I/PT	TQFP-44	16-bit MCU, 44LD, 64KB Flash, DMA, 40 MIPS, nanoWatt	5.56	4.63	4.24	3.84
579-PIC24H64GP502ISO	PIC24HJ64GP502-I/SO	SOIC-28	16-bit MCU, 28LD, 64KB Flash, CAN, DMA, 40 MIPS, nanoWatt	5.51	4.59	4.20	3.81
579-PIC24H64GP502ISP	PIC24HJ64GP502-I/SP	SPDIP-28	16-bit MCU, 28LD, 64KB Flash, CAN, DMA, 40 MIPS, nanoWatt	5.74	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	5.92	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-PIC32MX32F64H80	PIC32MX320F064H-80I/PT	TQFP-64	64KB Flash, 16 KB RAM, 80 MHz	6.24	5.20	4.77	4.32
579-PIC32MX32F128H80	PIC32MX320F128H-80I/PT	TQFP-64	128KB Flash, 16 KB RAM, 80 MHz	6.84	5.70	5.23	4.74
579-PIC32MF128L80IPT	PIC32MX320F128L-80I/PT	TQFP-100	128KB Flash, 16 KB RAM, 80 MHz	7.66	6.13	5.62	5.09
579-PIC32MF256H80IPT	PIC32MX340F256H-80I/PT	TQFP-64	256KB Flash, 32 KB RAM, 80 MHz	7.54	6.28	5.76	5.22
579-PIC32MX36F256L80	PIC32MX360F256L-80I/PT	TQFP-100	256KB Flash, 32 KB RAM, 80 MHz	8.23	6.86	6.29	5.70
579-PIC32MF512L80IPT	PIC32MX360F512L-80I/PT	TQFP-100	512KB Flash, 32 KB RAM, 80 MHz	9.18	7.65	7.01	6.35

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	4.91	4.09	3.71	3.38
579-DSPIC30F201130I	DSPIC30F2011-30I/P	DIP-18	16 Bit MCU/DSP 12KB Flash	3.82	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-DSPIC3020230IPT	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	5.02	4.18	3.80	3.45
579-DSPF301230IPT	DSPIC30F3012-30I/PT	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-DSPF401330IPT	DSPIC30F4013-30I/PT	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	8.44	7.03	6.39	5.81
579-DS306010A30IPT	DSPIC30F6010A-30I/PT	TQFP-80	16 Bit MCU/DSP 14KB Flash	12.23	10.19	9.26	8.42
579-DS30F6011A30IPT	DSPIC30F6011A-30I/PT	TQFP-64	16 Bit MCU/DSP 132KB Flash	11.45	9.54	8.66	7.88
579-DS30F6012A30IPT	DSPIC30F6012A-30I/PT	TQFP-64	16 Bit MCU/DSP 144KB Flash	11.56	9.63	8.75	7.95
579-DS30F6013A30IPT	DSPIC30F6013A-30I/PT	TQFP-80	16 Bit MCU/DSP 132KB Flash	11.86	9.88	8.98	8.16
579-DS30F6014A30IPT	DSPIC30F6014A-30I/PT	TQFP-80	16 Bit MCU/DSP 144KB Flash	12.04	10.03	9.11	8.28

