

MICROCHIP PICMicro Microcontroller Family



MCU / MPU

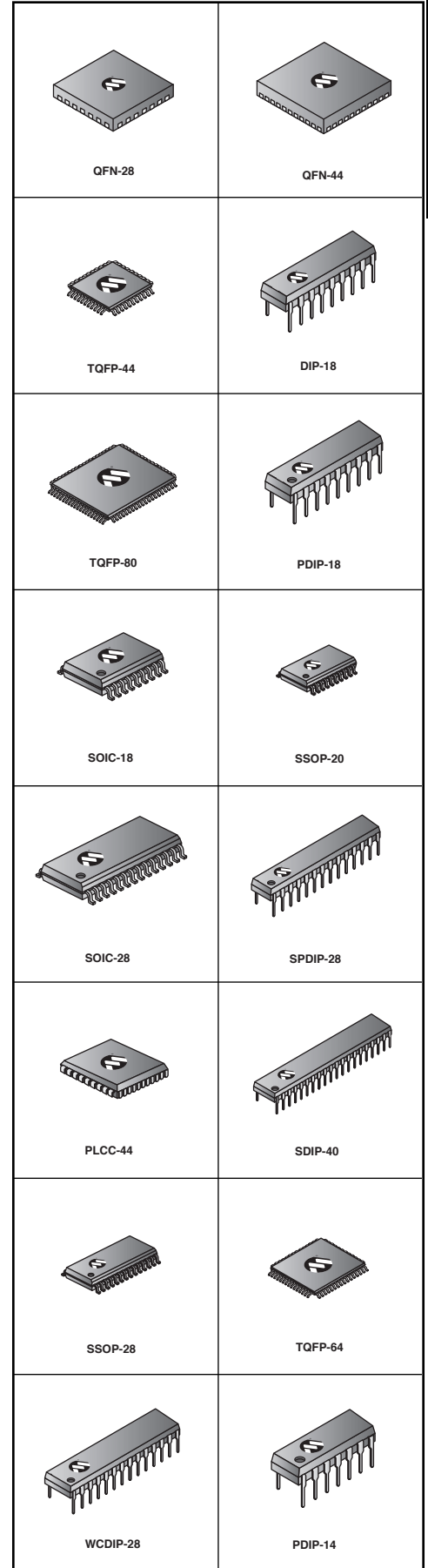
Microchip

MICROCHIP PIC16CXXX MCUS

Features:

- Upwardly Compatible with PIC16C5x/PIC12Cxxx, 4-12 Interrupts, 100-500ns Instruction Execution, 35 Instructions, 4/5 Oscillator Selections.
- CSPTM; BOR/PBOR.

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-PIC16C620A04P	PIC16C620A-04/P	PDIP-18	896	512x14	96	13	40	2.35	1.81	1.37
579-PIC16C620A04SO	PIC16C620A-04/SO	SOIC-18	896	512x14	96	13	40	2.42	1.87	1.40
579-PIC16C620A04IP	PIC16C620A-04/IP	PDIP-18	896	512x14	96	13	40	2.35	1.81	1.37
579-PIC16C71104P	PIC16C711-04/P	PDIP-18	1792	1024x14	68	13	20	4.39	3.39	2.22
579-PIC16C71104SO	PIC16C711-04/SO	SOIC-18	1792	1024x14	68	13	20	4.46	3.44	2.26
579-PIC16C7120ISO	PIC16C712-20/SO	SOIC-18	1792	1024x14	128	13	20	4.27	3.29	2.15
579-PIC16C7120ISS	PIC16C712-20/ISS	SSOP-20	1792	1024x14	128	13	20	4.68	3.61	2.36
579-PIC16C55820P	PIC16C558-20/P	PDIP-18	3584	2048x14	128	13	20	5.47	4.22	3.51
579-PIC16C622A04IP	PIC16C622A-04/IP	PDIP-18	3584	2048x14	128	13	40	3.26	2.52	1.90
579-PIC16C622A20P	PIC16C622A-20/P	PDIP-18	3584	2048x14	128	13	40	3.22	2.48	1.85
579-PIC16C72A04SP	PIC16C72A-04/SP	SPDIP-28	3584	2048x14	128	22	20	5.47	4.22	3.18
579-PIC16C72A04ISP	PIC16C72A-04/ISP	SPDIP-28	3584	2048x14	128	22	20	6.05	4.66	3.51
579-PIC16C92304IPT	PIC16C923-04/PT	TQFP-64	7168	4096x14	176	52	8	7.99	6.16	4.64
579-PIC14000JW	PIC14000/JW	WC DIP-28	7168	4096x14	192	20	20	24.55	18.93	14.99
579-PIC1400004SP	PIC14000-04/SP	SPDIP-28	7168	4096x14	192	20	20	10.73	8.27	7.21
579-PIC1400002ISP	PIC14000-20/ISP	SPDIP-28	7168	4096x14	192	20	20	12.67	9.77	8.50
579-PIC16C63A04ISP	PIC16C63A-04/ISP	SPDIP-28	7168	4096x14	192	22	20	6.22	4.79	3.60
579-PIC16C73B20SO	PIC16C73B-20/SO	SOIC-28	7168	4096x14	192	22	20	7.58	5.85	4.39
579-PIC16C73B20SP	PIC16C73B-20/SP	SPDIP-28	7168	4096x14	192	22	20	7.58	5.85	4.39
579-PIC16C73B20ESP	PIC16C73B-20/ESP	SPDIP-28	7168	4096x14	192	22	20	9.12	7.03	5.29
579-PIC16C73B20ISO	PIC16C73B-20/SO	SOIC-28	7168	4096x14	192	22	20	8.33	6.42	4.83
579-PIC16C73B20ISP	PIC16C73B-20/ISP	SPDIP-28	7168	4096x14	192	22	20	8.33	6.42	4.83
579-PIC16C74A04L	PIC16C74A-04/L	PLCC-44	7168	4096x14	192	33	20	12.50	9.64	8.01
579-PIC16C74A04P	PIC16C74A-04/P	PDIP-40	7168	4096x14	192	33	20	11.78	9.08	8.04
579-PIC16L6304SP	PIC16L630-04/SP	SPDIP-28	7168	4096x14	192	22	20	9.34	7.20	5.43
579-PIC16C773SP	PIC16C773/SP	SPDIP-28	7168	4096x14	256	22	20	7.08	5.46	4.10
579-PIC16C774P	PIC16C774/P	PDIP-40	7168	4096x14	256	33	20	8.59	6.62	4.97
579-PIC16C745ISO	PIC16C745-I/SO	SOIC-28	14336	8192x14	256	22	24	5.69	4.38	2.86
579-PIC16C745ISP	PIC16C745-I/SP	SPDIP-28	14336	8192x14	256	22	24	5.69	4.38	2.86
579-PIC16C7620SP	PIC16C76-20/SP	SPDIP-28	14336	8192x14	368	22	20	9.60	7.40	5.56



MICROCHIP PIC16FXXX FLASH MCUS

Features:

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

MOUSER STOCK NO.	Microchip Part No.	Package	Performance (MIPS)	Flash Memory	I/O Pins	Max MHz	Price Each			
							1	25	100	
579-PIC16F630-I/P	PIC16F630-I/P	PDIP-14	1792	1024x14	64	12	20	2.06	1.59	1.16
579-PIC16F676-I/P	PIC16F676-I/P	PDIP-14	1792	1024x14	64	12	20	2.38	1.83	1.24
579-PIC16F676-I/SL	PIC16F676-I/SL	SOIC-14	1792	1024x14	64	12	20	2.14	1.65	1.12
579-PIC16F84A-04/I/P	PIC16F84A-04/I/P	PDIP-18	1792	1024x14	68	13	20	6.48	5.00	3.75
579-PIC16F818-I/P	PIC16F818-I/P	PDIP-18	1792	1024x14	128	16	20	3.41	2.63	1.71
579-PIC16F62704P	PIC16F627-04/P	PDIP-18	1792	1024x14	224	16	20	3.36	2.59	1.95
579-PIC16F62704SO	PIC16F627-04/SO	SOIC-18	1792	1024x14	224	16	20	3.41	2.63	1.98
579-PIC16F62720P	PIC16F627-20/P	PDIP-18	1792	1024x14	224	16	20	3.60	2.78	2.08
579-PIC16F62720SO	PIC16F627-20/SO	SOIC-18	1792	1024x14	224	16	20	3.65	2.81	2.11
579-PIC16F627A-I/P	PIC16F627A-I/P	PDIP-18	1792	1024x14	224	16	20	2.83	2.18	1.42
579-PIC16L62704P	PIC16L627-04/P	PDIP-18	1792	1024x14	224	16	20	3.50	2.70	2.04
579-PIC16L62704SO	PIC16L627-04/SO	SOIC-18	1792	1024x14	224	16	20	3.60	2.78	2.08
579-PIC16F72-I/SP	PIC16F72-I/SP	SPDIP-28	3584	2048x14	128	22	20	3.60	2.78	2.10
579-PIC16F870-I/SP	PIC16F870-I/SP	SPDIP-28	3584	2048x14	128	22	20	4.85	3.74	2.81
579-PIC16F871-I/P	PIC16F871-I/P	PDIP-40	3584	2048x14	128	33	20	5.74	4.42	3.08
579-PIC16F872-I/SP	PIC16F872-I/SP	SPDIP-28	3584	2048x14	128	22	20	4.85	3.74	2.81
579-PIC16L872ISO	PIC16L872-I/SO	SOIC-28	3584	2048x14	128	22	20	5.11	3.94	2.96
579-PIC16L872ISP	PIC16L872-I/SP	SPDIP-28	3584	2048x14	128	22	20	5.11	3.94	2.96
579-PIC16L872ISS	PIC16L872-I/ISS	SSOP-28	3584	2048x14	128	22	20	5.23	4.03	3.04
579-PIC16F62804P	PIC16F628-04/P	PDIP-18	3584	2048x14	224	16	20	3.82	2.94	2.20
579-PIC16F62804SO	PIC16F628-04/SO	SOIC-18	3584	2048x14	224	16	20	3.86	2.98	2.25
579-PIC16F62820P	PIC16F628-20/P	PDIP-18	3584	2048x14	224	16	20	4.06	3.13	2.36
579-PIC16F62820SO	PIC16F628-20/SO	SOIC-18	3584	2048x14	224	16	20	4.15	3.20	2.40
579-PIC16F628A-I/P	PIC16F628A-I/P	PDIP-18	3584	2048x14	224	16	20	3.22	2.48	1.61
579-PIC16L628A-I/SS	PIC16L628A-I/SS	SSOP-20	3584	2048x14	224	16	20	3.70	2.85	1.86
579-PIC16L62804P	PIC16L628-04/P	PDIP-18	3584	2048x14	224	16	20	3.98	3.07	2.31
579-PIC16L62804SO	PIC16L628-04/SO	SOIC-18	3584	2048x14	224	16	20	4.06	3.13	2.36
579-PIC16F819-I/P	PIC16F819-I/P	PDIP-18	3584	2048x14	256	16	20	3.86	2.98	1.95

MICROCHIP DSPIC30F 16-BIT DIGITAL SIGNAL CONTROLLERS

MOUSER STOCK NO.	Microchip Part No.	Package	Performance (MIPS)	Flash Memory	I/O Pins	Max MHz	Price Each		
							1	25	100
Motor Control & Power Conversion									
579-30F2010-30I/MMG	DSPIC30F2010-30I/MMG	QFN-28	30	12KB	28	10	8.76	6.75	6.76
579-DS30F2010-30ISO	DSPIC30F2010-30I/SO	SOIC-28	30	12KB	28	10	8.26	6.36	6.58
579-DS30F2010-30ISPG	DSPIC30F2010-30I/SPG	SPDIP-28	30	12KB	28	10	8.59	6.62	6.60
579-DSPF301030IML	DSPIC30F3010-30I/ML	QFN-44	30	24KB	44	10	9.62	7.42	6.31
579-DSPF301030ISO	DSPIC30F3010-30I/SO	SOIC-28	30	24KB	28	10	9.31	7.18	6.13
579-DSPF301030ISP	DSPIC30F3010-30I/SP	SPDIP-28	30	24KB	28	10	9.62	7.42	6.16
579-DSPF301130IPT	DSPIC30F3011-30I/PT	TQFP-44	30	24KB	44	10	10.46	8.07	7.11
579-30F4012-30I/SP	DSPIC30F4012-30I/SP	SPDIP-28	30	48KB	28	10	10.99	8.47	8.63
579-DS30F6010-30I/PF	DSPIC30F6010-30I/PF	TQFP-80	30	144KB	80	10	31.25	24.09	18.98
Sensor									
579-DSPF301230IP	DSPIC30F3012-30I/P	DIP-18	30	24KB	18	10	8.62	6.64	4.95
579-DSPF301230ISO	DSPIC30F3012-30I/SO	SOIC-18	30	24KB	18	10	8.62	6.64	4.95
579-DSPF301330ISP	DSPIC30F3013-30I/SP	SPDIP-28	30	24KB	28	10	10.01	7.71	5.76
General Purpose									
579-DSPF401330IP	DSPIC30F4013-30I/P	DIP-40	30	48KB	40	10	11.74	9.05	9.36
579-DSPF401330IPT	DSPIC30F4013-30I/PT	TQFP-44	30	48KB	44	10	11.76	9.07	9.39
579-DS30F6011-30I/PF	DSPIC30F6011-30I/PF	TQFP-64	30	132KB	64	10	28.87	22.26	15.70
579-DS30F6012-30I/PF	DSPIC30F6012-30I/PF	TQFP-64	30	144KB	64	10	29.16	22.48	17.51
579-DS30F6013-30I/PF	DSPIC30F6013-30I/PF	TQFP-80	30	132KB	80	10	29.42	22.68	16.66
579-DS30F6014-30I/PF	DSPIC30F6014-30I/PF	TQFP-80	30	144KB	80	10	30.58	23.57	18.50