



General Purpose 8-bit PIC **Flash** Microcontrollers



PIC10F Devices



Program Words	Memory Size			I/O Pins	Timer/Counters 8-bit	UART	I <sup>2</sup> C™	SPI™	A/D	Analog Comp.	Int. Osc.	Clock Speed (MHz)	VCC (V)	Operating Temp.	Package	Digi-Key Part No.	Price Each			Tape and Reel Pricing‡ 3,000
	RAM Bytes	EEPROM Bytes	EEPROM Bytes														1	10	25	
256 x 12	16	—	4	1	—	—	—	—	—	—	4MHz	4	2.0 - 5.5	Ind.	8-DFN	PIC10F200-I/MC-ND	.45	.36	.33	—
	16	—	4	1	—	—	—	—	—	—	4MHz	4	2.0 - 5.5	Ind.	8-DIP	PIC10F200-I/P-ND	.46	.37	.34	—
	16	—	4	1	—	—	—	—	—	—	4MHz	4	2.0 - 5.5	Ext.	SOT23-6	PIC10F200T-E/OTCT-ND†	.74	.44	.42	408.41/M
	16	—	4	1	—	—	—	—	—	—	4MHz	4	2.0 - 5.5	Ind.	SOT23-6	PIC10F200T-I/OTCT-ND†	.47	.33	.31	272.28/M
	16	—	4	1	—	—	—	—	—	1	4MHz	4	2.0 - 5.5	Ind.	8-DFN	PIC10F204-I/MC-ND	.50	.39	.36	—
	16	—	4	1	—	—	—	—	—	1	4MHz	4	2.0 - 5.5	Ind.	8-DIP	PIC10F204-I/P-ND	.51	.40	.37	—
	16	—	4	1	—	—	—	—	—	1	4MHz	4	2.0 - 5.5	Ind.	SOT23-6	PIC10F204T-I/OTCT-ND†	.52	.36	.34	304.31/M
	16	—	4	1	—	—	—	—	2-ch. 8-bit	—	8MHz	8	2.0 - 5.5	Ind.	8-DFN	PIC10F220-I/MC-ND	.53	.42	.39	—
	16	—	4	1	—	—	—	—	2-ch. 8-bit	—	8MHz	8	2.0 - 5.5	Ind.	8-DIP	PIC10F220-I/P-ND	.54	.44	.40	—
	16	—	4	1	—	—	—	—	2-ch. 8-bit	—	8MHz	8	2.0 - 5.5	Ind.	SOT23-6	PIC10F220T-I/OTCT-ND†	.56	.40	.37	328.33/M
512 x 12	24	—	4	1	—	—	—	—	—	1	4MHz	4	2.0 - 5.5	Ind.	8-DFN	PIC10F202-I/MC-ND	.50	.39	.36	—
	24	—	4	1	—	—	—	—	—	1	4MHz	4	2.0 - 5.5	Ind.	8-DIP	PIC10F202-I/P-ND	.51	.40	.37	—
	24	—	4	1	—	—	—	—	—	1	4MHz	4	2.0 - 5.5	Ind.	SOT23-6	PIC10F202T-I/OTCT-ND†	.52	.36	.34	304.31/M
	24	—	4	1	—	—	—	—	—	1	4MHz	4	2.0 - 5.5	Ind.	8-DFN	PIC10F206-I/MC-ND	.53	.42	.39	—
	24	—	4	1	—	—	—	—	—	1	4MHz	4	2.0 - 5.5	Ind.	8-DIP	PIC10F206-I/P-ND	.54	.44	.40	—
	24	—	4	1	—	—	—	—	—	1	4MHz	4	2.0 - 5.5	Ind.	SOT23-6	PIC10F206T-I/OTCT-ND†	.56	.40	.37	328.33/M
	23	—	4	1	—	—	—	—	2-ch. 8-bit	—	8MHz	8	2.0 - 5.5	Ind.	8-DFN	PIC10F222-I/MC-ND	.58	.45	.41	—
	23	—	4	1	—	—	—	—	2-ch. 8-bit	—	8MHz	8	2.0 - 5.5	Ind.	8-DIP	PIC10F222-I/P-ND	.59	.47	.43	—
	23	—	4	1	—	—	—	—	2-ch. 8-bit	—	8MHz	8	2.0 - 5.5	Ind.	SOT23-6	PIC10F222T-I/OTCT-ND†	.62	.43	.40	352.36/M

† Cut Tape ‡ For Tape and Reel part number, change CT-ND to TR-ND. Note: Operating Temperature Range: • Industrial: -40°F - 185°F (-40°C - 85°C) • Extended: -40°F - 257°F (-40°C - 125°C)

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PIC12F Devices



Program Words	Memory Size			I/O Pins	Timer/Counters 8/16-bit	UART	I <sup>2</sup> C™	SPI™	PWM	A/D	Analog Comp.	Int. Osc.	Clock Speed (MHz)	VCC (V)	Operating Temp.	Package	Digi-Key Part No.	Price Each			Tape and Reel Pricing‡ 3,000		
	RAM Bytes	EEPROM Bytes	EEPROM Bytes															1	10	25			
512 x 12	25	—	5	1/—	—	—	—	—	—	—	—	4MHz	4	2.0 - 5.5	Ind.	8-DFN	PIC12F508-I/MC-ND	.66	.52	.47	—		
	25	—	5	1/—	—	—	—	—	—	—	—	4MHz	4	2.0 - 5.5	Ind.	8-DIP	PIC12F508-I/P-ND	.67	.53	.49	—		
	25	—	5	1/—	—	—	—	—	—	—	—	4MHz	4	2.0 - 5.5	Ind.	8-SOIC	PIC12F508-I/SN-ND	.58	.45	.41	—		
	25	—	5	1/—	—	—	—	—	—	—	—	4MHz	4	2.0 - 5.5	Ind.	8-MSOP	PIC12F508-I/MS-ND	.62	.50	.46	—		
1K x 12	41	—	5	1/—	—	—	—	—	—	—	—	4MHz	4	2.0 - 5.5	Ind.	8-DFN	PIC12F509-I/MC-ND	.70	.56	.52	—		
	41	—	5	1/—	—	—	—	—	—	—	—	4MHz	4	2.0 - 5.5	Ind.	8-DIP	PIC12F509-I/P-ND	.72	.57	.53	—		
	41	—	5	1/—	—	—	—	—	—	—	—	4MHz	4	2.0 - 5.5	Ind.	8-SOIC	PIC12F509-I/SN-ND	.72	.57	.53	—		
	41	—	5	1/—	—	—	—	—	—	—	—	4MHz	4	2.0 - 5.5	Ind.	8-SOIC	PIC12F509-I/SN-ND	.62	.50	.46	—		
	41	—	5	1/—	—	—	—	—	—	—	—	4MHz	4	2.0 - 5.5	Ind.	8-MSOP	PIC12F509-I/MS-ND	.69	.54	.50	—		
	38	—	5	1/—	—	—	—	—	3-ch. 8-bit	1	4MHz, 8MHz	8	2.0 - 5.5	Ind.	8-MSOP	PIC12F510-I/MS-ND	.75	.59	.54	—			
	38	—	5	1/—	—	—	—	—	3-ch. 8-bit	1	4MHz, 8MHz	8	2.0 - 5.5	Ind.	8-DIP	PIC12F510-I/P-ND	.78	.62	.57	—			
	38	—	5	1/—	—	—	—	—	3-ch. 8-bit	1	4MHz, 8MHz	8	2.0 - 5.5	Ind.	8-SOIC	PIC12F510-I/SN-ND	.69	.54	.50	—			
	41	64	5	1/—	—	—	—	—	—	—	—	4MHz, 8MHz	8	2.0 - 5.5	Ind.	8-DFN	PIC12F519-I/MC-ND	.77	.61	.56	—		
	41	64	5	1/—	—	—	—	—	—	—	—	4MHz, 8MHz	8	2.0 - 5.5	Ind.	8-MSOP	PIC12F519-I/MS-ND	.75	.59	.54	—		
1K x 14	41	64	5	1/—	—	—	—	—	—	—	—	4MHz, 8MHz	8	2.0 - 5.5	Ind.	8-DIP	PIC12F519-I/P-ND	.78	.62	.57	—		
	41	64	5	1/—	—	—	—	—	—	—	—	4MHz, 8MHz	8	2.0 - 5.5	Ind.	8-SOIC	PIC12F519-I/SN-ND	.69	.54	.50	—		
	41	64	5	1/—	—	—	—	—	—	—	—	4MHz, 8MHz	8	2.0 - 5.5	Ext.	8-MSOP	PIC12F519-E/MS-ND	.82	.65	.59	—		
	38	—	5	1/—	—	—	—	—	3-ch. 8-bit	1	4MHz, 8MHz	8	2.0 - 5.5	Ind.	8-DFN	PIC12F510-I/MC-ND	.77	.61	.56	—			
	64	—	5	1/1	—	—	—	—	—	—	—	4MHz, 8MHz	20	2.0 - 5.5	Ind.	8-DFN	PIC12F609-I/MD-ND	.83	.65	.60	—		
	64	—	5	1/1	—	—	—	—	—	—	—	4MHz, 8MHz	20	2.0 - 5.5	Ind.	8-DFN	PIC12F609-I/MF-ND	.83	.65	.60	—		
	64	—	5	1/1	—	—	—	—	—	—	—	4MHz, 8MHz	20	2.0 - 5.5	Ind.	8-MSOP	PIC12F609-I/MS-ND	.78	.62	.57	—		
	64	—	5	1/1	—	—	—	—	—	—	—	4MHz, 8MHz	20	2.0 - 5.5	Ind.	8-DIP	PIC12F609-I/P-ND	.83	.65	.60	—		
	64	—	5	1/1	—	—	—	—	—	—	—	4MHz, 8MHz	20	2.0 - 5.5	Ind.	8-SOIC	PIC12F609-I/SN-ND	.72	.57	.53	—		
	64	—	5	1/1	—	—	—	—	—	—	—	4MHz, 8MHz	20	2.0 - 5.5	Ind.	8-SOIC	PIC12F609T-I/SNTR-ND‡	1664.86/3,300			—		
	64	—	5	1/1	—	—	—	—	—	1	4MHz, 8MHz	20	User Defined	Ind.	8-MSOP	PIC12HV609-I/MS-ND	.85	.67	.61	—			
	64	—	5	1/1	—	—	—	—	—	1	4MHz, 8MHz	20	User Defined	Ind.	8-DIP	PIC12HV609-I/P-ND	.88	.70	.65	—			
	64	—	5	1/1	—	—	—	—	—	1	4MHz, 8MHz	20	User Defined	Ind.	8-SOIC	PIC12HV609-I/SN-ND	.78	.62	.57	—			
	64	—	5	2/1	—	—	—	—	1	4-ch. 10-bit	1	4MHz, 8MHz	20	2.0 - 5.5	High	8-DFN	PIC12F615-H/MD-ND	1.11	.88	.81	—		
	64	—	5	2/1	—	—	—	—	1	4-ch. 10-bit	1	4MHz, 8MHz	20	2.0 - 5.5	High	8-MSOP	PIC12F615-H/MS-ND	1.07	.85	.77	—		
	64	—	5	2/1	—	—	—	—	—	1	4-ch. 10-bit	1	4MHz, 8MHz	20	2.0 - 5.5	High	8-SOIC	PIC12F615-H/SN-ND	1.01	.80	.73	—	
	64	—	5	2/1	—	—	—	—	—	—	—	4-ch. 10-bit	1	4MHz, 8MHz	20	2.0 - 5.5	Ind.	8-DFN	PIC12F615-I/MD-ND	.86	.69	.63	—
	64	—	5	2/1	—	—	—	—	—	—	—	4-ch. 10-bit	1	4MHz, 8MHz	20	2.0 - 5.5	Ind.	8-DFN	PIC12F615-I/MF-ND	.86	.69	.63	—
	64	—	5	2/1	—	—	—	—	—	—	—	4-ch. 10-bit	1	4MHz, 8MHz	20	2.0 - 5.5	Ind.	8-MSOP	PIC12F615-I/MS-ND	.83	.65	.60	—
	64	—	5	2/1	—	—	—	—	—	—	—	4-ch. 10-bit	1	4MHz, 8MHz	20	2.0 - 5.5	Ind.	8-DIP	PIC12F615-I/P-ND	.86	.69	.63	—
	64	—	5	2/1	—	—	—	—	—	—	—	4-ch. 10-bit	1	4MHz, 8MHz	20	2.0 - 5.5	Ind.	8-SOIC	PIC12F615-I/SN-ND	.77	.61	.56	—
	64	—	5	2/1	—	—	—	—	—	—	—	4-ch. 10-bit	1	4MHz, 8MHz	20	User Defined	Ind.	8-DFN	PIC12HV615-I/MF-ND	.93	.73	.67	—
	64	—	5	2/1	—	—	—	—	—	—	—	4-ch. 10-bit	1	4MHz, 8MHz	20	User Defined	Ind.	8-DIP	PIC12HV615-I/P-ND	.93	.73	.67	—
	64	—	5	2/1	—	—	—	—	—	—	—	4-ch. 10-bit	1	4MHz, 8MHz	20	User Defined	Ind.	8-SOIC	PIC12HV615-I/SN-ND	.83	.65	.60	—
	64	128	5	1/1	—	—	—	—	—	—	—	4MHz	20	2.0 - 5.5	Ind.	8-DFN	PIC12F629-I/MD-ND	1.31	1.09	1.07	—		
	64	128	5	1/1	—	—	—	—	—	—	—	4MHz	20	2.0 - 5.5	Ind.	8-DFN	PIC12F629-I/MF-ND	1.17	.78	.76	—		
	64	128	5	1/1	—	—	—	—	—	—	—	4MHz	20	2.0 - 5.5	Ind.	8-DIP	PIC12F629-I/P-ND	1.12	.74	.73	—		
	64	128	5	1/1	—	—	—	—	—	—	—	4MHz	20	2.0 - 5.5	Ind.	8-SOIC	PIC12F629-I/SN-ND	1.03	.68	.66	—		
	64	128	5	1/1	—	—	—	—	—	—	1	4MHz	20	2.0 - 5.5	Ext.	8-DFN	PIC12F629-E/MF-ND	1.28	.85	.83	—		
	64	128	5	1/1	—	—	—	—	—	—	1	4MHz	20	2.0 - 5.5	Ext.	8-DIP	PIC12F629-E/P-ND	1.23	.81	.79	—		
64	128	5	1/1	—	—	—	—	—	—	1	4MHz	20	2.0 - 5.5	Ext.	8-SOIC	PIC12F629-E/SN-ND	1.12	.74	.73	—			
64	128	5	1/1	—	—	—	—	—	—	1	4MHz	20	2.0 - 5.5	Ext.	8-SOIC	PIC12F629T-E/SNCT-ND†	1.31	.78	.76	—			
64	128	5	1/1	—	—	—	—	—	—	1	4MHz	20	2.0 - 5.5	Ext.	8-SOIC	PIC12F629T-E/SNTR-ND‡	2431.22/3,300			—			
64	128	5	1/1	—	—	—	—	—	—	1	8MHz, 32kHz	20	2.0 - 5.5	Ind.	8-DFN	PIC12F635-I/MD-ND	1.38	.91	.89	—			