

Pins	Package	Description	Mfrs. List No.	Order Code	1+	25+	100+
12F629	8	DIL 8-bit CMOS MCU, 1K Flash, 64 bytes RAM - 20MHz (IND TEMP)	PIC12F629-I/P	975-8992	78.00	57.00	53.00
12F629	8	SOIC 8-bit CMOS MCU, 1K Flash, 64 bytes RAM - 20MHz (IND TEMP)	PIC12F629-I/SN	975-9000	71.00	49.00	48.00
635	8	DFN 8-Bit CMOS Microcontroller with nano Watt Technology	PIC12F635-I/MF	113-7330	102.00	75.00	69.00
12F635	8	DIL 8-bit CMOS MCU, 1K Flash, 64 bytes RAM - 20MHz (IND TEMP)	PIC12F635-I/P	121-2687	95.00	70.00	64.00
12F635	8	SOIC 8-bit CMOS MCU, 1K Flash, 64 bytes RAM - 20MHz (IND TEMP)	PIC12F635-I/SN	121-2689	95.00	70.00	64.00
12F675	8	DIL 8-bit CMOS MCU, 1K Flash, 64 bytes RAM with ADC - 20MHz (IND TEMP)	PIC12F675-I/P	975-9018	85.00	59.00	58.00
12F675	8	SOIC 8-bit CMOS MCU, 1K Flash, 64 bytes RAM with ADC - 20MHz (IND TEMP)	PIC12F675-I/SN	975-9026	78.00	54.00	50.00

PIC16F6xx - FLASH Based, 8-Bit CMOS Microcontrollers



Device	Program Memory		Data Memory		I/O	10-bit A/D (channels)	Comparators	Timers 8/16-bit	SSP	ECCP+	EUSART
	Flash (words)	SRAM (bytes)	EEPROM (bytes)								
PIC16F685	4096	256	256	18	12	2	2/1	No	Yes	No	
PIC16F687	2048	128	256	18	12	2	1/1	Yes	No	Yes	
PIC16F689	4096	256	256	18	12	2	1/1	Yes	No	Yes	
PIC16F690	4096	256	256	18	12	2	2/1	Yes	Yes	Yes	

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Pins	Package	Description	Mfrs. List No.	Order Code	1+	25+	100+
685	20	DIL 8-bit CMOS EEPROM MCU with nanoWatt Technology - 20MHz (IND TEMP)	PIC16F685-I/P	110-3399	134.00	107.00	100.00
685	20	SSOP 8-bit CMOS EEPROM MCU with nanoWatt Technology - 20MHz (IND TEMP)	PIC16F685-I/SS	110-3400	134.00	107.00	--
687	20	DIL 8-bit CMOS EEPROM MCU with nanoWatt Technology - 20MHz (IND TEMP)	PIC16F687-I/P	110-3401	120.00	112.00	--
687	20	SSOP 8-bit CMOS EEPROM MCU with nanoWatt Technology - 20MHz (IND TEMP)	PIC16F687-I/SS	110-3402	120.00	98.00	--
689	20	DIL 8-bit CMOS EEPROM MCU with nanoWatt Technology - 20MHz (IND TEMP)	PIC16F689-I/P	110-3403	134.00	122.00	--
689	20	SSOP 8-bit CMOS EEPROM MCU with nanoWatt Technology - 20MHz (IND TEMP)	PIC16F689-I/SS	110-3405	134.00	100.00	--
690	20	DIL 8-bit CMOS EEPROM MCU with nanoWatt Technology - 20MHz (IND TEMP)	PIC16F690-I/P	110-3406	141.00	126.00	--
690	20	SSOP 8-bit CMOS EEPROM MCU with nanoWatt Technology - 20MHz (IND TEMP)	PIC16F690-I/SS	110-3407	141.00	122.00	--

PIC®12Cxxx

The PIC12Cxxx MCU family provides intelligence, data acquisition and mixed-signal capability to applications with cost and space constraints. The range is RISC based in a 8-pin package. PIC12Cxxx is code compatible with the complete Microchip PICmicro® 8-bit OTP family.

PIC12C5xx - features 12-bit instruction set, small package footprints, low operating voltage, internal oscillator and on-board EEPROM data memory.

PIC12C6xx - features 14-bit instruction set, small package footprint, low voltage, interrupt handling capability, internal oscillator, on-board EEPROM data memory and a deeper stack.

239087

Pins	Package	Description	Mfrs. List No.	Order Code	1+	25+	100+
04	8	SOIC 8-Pin, 8-Bit CMOS Microcontroller with A/D Converter	PIC12C671-04/SM	113-7292	145.00	106.00	97.00
12C508A	8	DIL 8-bit CMOS EPROM MCU, 512b EPROM, 25 bytes RAM, 6 I/O lines - 4MHz	PIC12C508A/JW	140-211	708.00	535.00	481.00
12C508A	8	DIL 8-bit CMOS EPROM MCU, 512b OTP PROM, 25 bytes RAM, 6 I/O lines - 4MHz	PIC12C508A-04/P	975-8771	76.00	55.00	54.00
12C508A	8	SOIC 8-bit CMOS EPROM MCU, 512b OTP PROM, 25 bytes RAM, 6 I/O lines - 4MHz	PIC12C508A-04/SM	975-8780	76.00	55.00	51.00
12C508A	8	SOIC 8-bit CMOS EPROM MCU, 512b OTP PROM, 25 bytes RAM, 6 I/O lines - 4MHz	PIC12C508A-04/SN	975-8798	79.00	57.00	53.00
12C508A	8	DIL 8-bit CMOS EPROM MCU, 512b OTP PROM, 25 bytes RAM, 6 I/O lines - 4MHz (IND TEMP)	PIC12C508A-04/P	119-6774	87.00	72.00	58.00
04	8	SOIC 8-Pin, 8-Bit CMOS Microcontrollers	PIC12C508A-04/SM	113-7301	84.00	61.00	56.00
12C508A	8	SOIC 8-bit CMOS EPROM MCU, 512b OTP PROM, 25 bytes RAM, 6 I/O lines - 4MHz (IND TEMP)	PIC12C508A-04/SN	975-8801	86.00	64.00	58.00
12C508A	8	SOIC 8-bit CMOS EPROM MCU, 512b OTP PROM, 25 bytes RAM, 6 I/O lines - 4MHz (IND TEMP, Low Power)	PIC12C508A-04/SM	975-9050	90.00	65.00	60.00
12C509A	8	DIL 8-bit CMOS EPROM MCU, 1Kb EPROM, 41 bytes RAM, 6 I/O lines - 4MHz	PIC12C509A/JW	140-284	745.00	596.00	523.00
12C509A	8	DIL 8-bit CMOS EPROM MCU, 1Kb OTP PROM, 41 bytes RAM, 6 I/O lines - 4MHz	PIC12C509A-04/P	975-8828	79.00	57.00	53.00
12C509A	8	SOIC 8-bit CMOS EPROM MCU, 1Kb OTP PROM, 41 bytes RAM, 6 I/O lines - 4MHz	PIC12C509A-04/SM	975-8836	79.00	57.00	56.00
12C509A	8	SOIC 8-bit CMOS EPROM MCU, 1Kb OTP PROM, 41 bytes RAM, 6 I/O lines - 4MHz	PIC12C509A-04/SN	975-8844	83.00	60.00	55.00
12C509A	8	DIL 8-bit CMOS EPROM MCU, 1Kb OTP PROM, 41 bytes RAM, 6 I/O lines - 4MHz (IND TEMP)	PIC12C509A-04/P	108-4235	86.00	64.00	58.00
12C509A	8	SOIC 8-bit CMOS EPROM MCU, 1Kb OTP PROM, 41 bytes RAM, 6 I/O lines - 4MHz (IND TEMP)	PIC12C509A-04/SM	975-8852	86.00	64.00	62.00
12C509A	8	SOIC 8-bit CMOS EPROM MCU, 1Kb OTP PROM, 41 bytes RAM, 6 I/O lines - 4MHz (IND TEMP)	PIC12C509A-04/SN	108-4259	90.00	65.00	60.00
12C671	8	DIL 8-bit CMOS MCU with ADC, 1Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 4MHz	PIC12C671-04/P	975-8860	139.00	102.00	93.00
12C671	8	SOIC 8-bit CMOS MCU with ADC, 1Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 10MHz (IND TEMP)	PIC12C671-10/SM	119-6776	182.00	154.00	114.00
04	8	SOIC 8-Pin, 8-Bit CMOS Microcontroller with A/D Converter	PIC12C671-04/SM	113-7292	145.00	106.00	97.00
12C671	8	DIL 8-bit CMOS MCU with ADC, 1Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 4MHz (IND TEMP)	PIC12C671-04/P	975-8879	152.00	152.00	102.00
12C671	8	SOIC 8-bit CMOS MCU with ADC, 1Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 4MHz (IND TEMP)	PIC12C671-04/SM	108-4222	159.00	116.00	107.00
12C671	8	DIL 8-bit CMOS EPROM MCU, 1Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 10MHz (IND TEMP)	PIC12C671-10/P	108-4238	164.00	119.00	109.00
12C671	8	DIL 8-bit CMOS EPROM MCU, 1Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 10MHz	PIC12C671-10/P	121-2665	148.00	108.00	100.00
12C672	8	DIL 8-bit CMOS MCU with ADC, 2Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 4MHz	PIC12C672-04/P	975-8887	139.00	102.00	93.00
12C672	8	DIL 8-bit CMOS EPROM MCU, 2Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 10MHz	PIC12C672-10/P	975-8909	148.00	108.00	100.00
12C672	8	SOIC 8-bit CMOS MCU with ADC, 2Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 4MHz	PIC12C672-04/SM	112-823	106.00	103.00	103.00
04	8	SOIC 8-Pin, 8-Bit CMOS Microcontroller with A/D Converter	PIC12C672-04/SM	113-7297	106.00	97.00	97.00
12C672	8	SOIC 8-bit CMOS EPROM MCU, 2Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 10MHz	PIC12C672-10/SM	119-6778	133.00	107.00	107.00
04	8	DIL 8-Pin, 8-Bit CMOS Microcontroller with A/D Converter	PIC12C672-04/P	113-7298	111.00	102.00	102.00
12C672	8	DIL 8-bit CMOS MCU with ADC, 2Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 4MHz (IND TEMP)	PIC12C672-10/P	108-4241	119.00	109.00	109.00
12C672	8	SOIC 8-bit CMOS MCU with ADC, 2Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 4MHz (IND TEMP)	PIC12C672-04/SM	975-8895	116.00	107.00	107.00
12C672	8	SOIC 8-bit CMOS MCU with ADC, 2Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 4MHz (IND TEMP, Low Power)	PIC12C672-04/SM	413-6809	133.00	130.00	130.00
04	8	SOIC 8-Bit CMOS Microcontroller with A/D Converter and EEPROM Data Memory	PIC12C672-04/SM	113-7341	125.00	115.00	115.00
12CE518	8	DIL 8-bit CMOS MCU, 512b OTP PROM, 16 bytes E <sup>2</sup> , 25 bytes RAM, 6 I/O lines - 4MHz	PIC12CE518-04/P	975-8917	68.00	62.00	62.00
12CE518	8	SOIC 8-bit CMOS MCU, 512b OTP PROM, 16 bytes E <sup>2</sup> , 25 bytes RAM, 6 I/O lines - 4MHz	PIC12CE518-04/SN	314-3922	102.00	74.00	68.00
12CE518	8	DIL 8-bit CMOS MCU, 512b OTP PROM, 16 bytes E <sup>2</sup> , 25 bytes RAM, 6 I/O lines - 4MHz (IND TEMP)	PIC12CE518-04/P	108-4236	102.00	75.00	69.00
12CE518	8	SOIC 8-bit CMOS MCU, 512b OTP PROM, 16 bytes E <sup>2</sup> , 25 bytes RAM, 6 I/O lines - 4MHz (IND TEMP)	PIC12CE518-04/SM	108-4237	107.00	79.00	72.00
12CE519	8	DIL 8-bit CMOS MCU, 1Kb EPROM, 16 bytes E <sup>2</sup> , 41 bytes RAM, 6 I/O lines - 4MHz	PIC12CE519-04/P	975-8925	102.00	74.00	68.00
12CE519	8	SOIC 8-bit CMOS MCU, 1Kb EPROM, 16 bytes E <sup>2</sup> , 41 bytes RAM, 6 I/O lines - 4MHz	PIC12CE519-04/SM	975-8933	106.00	78.00	71.00
12CE519	8	DIL 8-bit CMOS MCU, 1Kb EPROM, 16 bytes E <sup>2</sup> , 41 bytes RAM, 6 I/O lines - 4MHz (IND TEMP)	PIC12CE519-04/P	975-8941	112.00	81.00	79.00
12CE519	8	SOIC 8-bit CMOS MCU, 1Kb EPROM, 16 bytes E <sup>2</sup> , 41 bytes RAM, 6 I/O lines - 4MHz (IND TEMP)	PIC12CE519-04/SM	119-6775	118.00	98.00	80.00
12CE519	8	SOIC 8-bit CMOS MCU, 1Kb EPROM, 16 bytes E <sup>2</sup> , 41 bytes RAM, 6 I/O lines - 4MHz (IND TEMP)	PIC12CE519-04/SN	975-8950	120.00	86.00	80.00
12LCE519	8	SOIC 8-bit CMOS MCU, 1Kb OTP PROM, 41 bytes RAM, 6 I/O lines - 4MHz (IND TEMP, Low Power)	PIC12LCE519-04/SM	108-4325	124.00	90.00	84.00
12CE673	8	DIL 8-bit CMOS EPROM MCU, 1Kb EPROM, 128 bytes RAM, 6 I/O lines - 4MHz	PIC12CE673-04/P	975-8968	164.00	119.00	109.00
12CE673	8	DIL 8-bit CMOS EPROM MCU, 1Kb EPROM, 128 bytes RAM, 6 I/O lines - 10MHz	PIC12CE673-10/P	119-6779	181.00	150.00	120.00
12CE673	8	DIL 8-bit CMOS EPROM MCU, 1Kb EPROM, 128 bytes RAM, 6 I/O lines - 4MHz (IND TEMP)	PIC12CE673-04/P	108-4242	179.00	131.00	120.00
12CE674	8	DIL 8-bit CMOS EPROM MCU, 2Kb EPROM, 128 bytes RAM, 6 I/O lines - 4MHz	PIC12CE674-04/P	975-8976	164.00	119.00	109.00
12CE674	8	DIL 8-bit CMOS EPROM MCU, 2Kb EPROM, 128 bytes RAM, 6 I/O lines - 4MHz (IND TEMP)	PIC12CE674-04/P	975-8984	179.00	131.00	120.00

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