

Microcontroller:	PIC12F629	PIC12LF1822	PIC16F677	PIC16F684	PIC16F690	PIC16F914	PIC16F946	PIC16LF1903	PIC16LF1907	PIC18F4520	PIC18F46J11	PIC18LF4520
Datasheet:	pdf	pdf	pdf	pdf	pdf	pdf	pdf	pdf	pdf	pdf	pdf	pdf
Product Category:	8-bit MCU	8-bit MCU	8-bit MCU	8-bit MCU	8-bit MCU	8-bit MCU	8-bit MCU	8-bit MCU	8-bit MCU	8-bit MCU	8-bit MCU	8-bit MCU
Core:	PIC12	PIC12	PIC16	PIC16	PIC16	PIC16	PIC16	PIC16	PIC16	PIC18	PIC18	PIC
Data Bus Width:	8 bit	8 bit	8 bit	8 bit	8 bit	8 bit	8 bit	8 bit	8 bit	8 bit	8 bit	8 bit
Maximum Clock Frequency:	20 MHz	32 MHz	20 MHz	20 MHz	20 MHz	20 MHz	20 MHz	20 MHz	20 MHz	40 MHz	48 MHz	40 MHz
Program Memory Size:	1792 B	3.5 kB	2048 B	3.5 kB	7 kB	7 kB	14 kB	4 kB	14 kB	32 kB	64 kB	32 kB
Data RAM Size:	64 B	128 B	128 B	128 B	256 B	352 B	352 B	256 B	512 B	1536 B	3776 B	1.5 kB
ADC Resolution:	No ADC	10 bit	10 bit	10 bit	10 bit	10 bit	10 bit	10 bit	10 bit	10 bit	10 bit	10 bit
Number of ADC Channels:		4	12	8	12	8	8	11	14	13	13	13
Operating Supply Voltage:	2 V to 5.5 V	1.8 V to 3.6 V	2 V to 5.5 V	2 V to 5.5 V	2 V to 5.5 V	2 V to 5.5 V	2 V to 5.5 V	2 V to 5.5 V	1.8 V to 3.6 V	1.8 V to 3.6 V	2 V to 5.5 V	2 V to 2.75 V, 2.15 V to 3.6 V
Max Operating Temp:	85 C	85 C	85 C	85 C	85 C	85 C	85 C	85 C	85 C	85 C	85 C	85 C
Min Operating Temp:	- 40 C	- 40 C	- 40 C	- 40 C	- 40 C	- 40 C	- 40 C	- 40 C	- 40 C	- 40 C	- 40 C	- 40 C
Data RAM Type:	SRAM	SRAM	SRAM	SRAM	SRAM	SRAM	SRAM	SRAM	SRAM	SRAM	SRAM	SRAM
Data ROM Size:	128 B		256 B	256 B	256 B	256 B				256 kB		256 B
Data ROM Type:	EEPROM		Flash	Flash	EUSART, I2C, SPI, SSP	EEPROM				Flash		EEPROM
Interface Type:	RS-232, USB	I2C, SPI, USART	SSP			AUSART, I2C, SPI, SSP	AUSART, I2C, SPI, SSP		USART	I2C, MSSP, PSP, SPI, USART	EUSART, I2C, SPI	I2C, MSSP, PSP, SPI, USART
Number of I/Os:	6 I/O	6 I/O	18 I/O	12 I/O	18 I/O	36 I/O	53 I/O	25 I/O	36 I/O	36 I/O		36 I/O
Number of Timers/Counters:	2 Timer	3 Timer	2 Timer	2 Timer	3 Timer	8 Timer	3 Timer	2 Timer	1 Timer	1 Timer	5 Timer	1 Timer
Program Memory Type:	Flash	Flash	Flash	Flash	Flash	Flash	Flash	Flash	Flash	Flash	Flash	Flash
Watchdog Timers:	Watchdog Timer	Watchdog Timer, Extended										