PIC12/PIC16 8位单片机 选型列表

PIC12 系列

Product Family	Memory Type	Program Memory KBytes	Program Memory KWords	Self-write	EEPROM Data Memory Bytes	RAM Bytes	I/O Pins	Pin count	Max. CPU Speed MHz	Internal Oscillator	# of A/D Ch.	Digital Communication	Timers	Temperature Range	Operation Voltage Range
PIC12F508	Flash	0.75	0.5	No	0	25	6	8	4	4 MHz	0	0 -UART 0 -A/E/USART 0 -SPI 0 -I2C	1 - 8-bit 0 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V
PIC12F629	Flash	1.75	1	No	128	64	6	8	20	4 MHz	0	0 -UART 0 -A/E/USART 0 -SPI 0 -I2C	1 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V
PIC12F675	Flash	1.75	1	No	128	64	6	8	20	4 MHz	4	0 -UART 0 -A/E/USART 0 -SPI 0 -I2C	1 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V

PIC16 系列

Product Family	Memory Type	Program Memory KBytes	Program Memory KWords	Self-write	EEPROM Data Memory Bytes	RAM Bytes	I/O Pins	Pin count	Max. CPU Speed MHz	Internal Oscillator	# of A/D Ch.	Digital Communication	Timers	Temperature Range	Operation Voltage Range
PIC16F627A	Flash	1.75	1	No	128	224	16	18	20	4 MHz	0	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C	2 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V
PIC16F628A	Flash	3.5	2	No	128	224	16	18	20	4 MHz	0	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C	2 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V
PIC16F677	Flash	3.5	2	No	256	128	18	20	20	8 MHz, 32 kHz	12	0 -UART 0 -A/E/USART 0 -SPI 0 -I2C 1 -SSP(SPI/I2C)	1 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V
PIC16F687	Flash	3.5	2	No	256	128	18	20	20	8 MHz, 32 kHz	12	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 1 -SSP(SPI/I2C)	1 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V
PIC16F688	Flash	7	4	No	256	256	12	14	20	8 MHz, 32 kHz	8	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C	1 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V
PIC16F690	Flash	7	4	No	256	256	12	14	20	8 MHz, 32 kHz	12	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 1 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V

Product Family	Memory Type	Program Memory KBytes	Program Memory KWords	Self-write	EEPROM Data Memory Bytes	RAM Bytes	I/O Pins	Pin count	Max. CPU Speed MHz	Internal Oscillator	# of A/D Ch.	Digital Communication	Timers	Temperature Range	Operation Voltage Range
PIC16F716	Flash	3.5	2	No	0	128	13	18	20	-	4	0 -UART 0 -A/E/USART 0 -SPI 0 -I2C	2 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V
PIC16F72	Flash	3.5	2	No	0	128	22	28	20	-	5	0 -UART 0 -A/E/USART 0 -SPI 0 -I2C 0 -MSSP (SPI/I2C) 1 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit	-40 to 125	2V - 5.5V
PIC16F73	Flash	7	4	No	0	192	22	28	20	-	5	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 0 -MSSP (SPI/I2C) 1 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit	-40 to 125	2V - 5.5V
PIC16F737	Flash	7	4	No	0	368	25	28	20	8 MHz	11	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 1 -MSSP (SPI/I2C) 0 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit	-40 to 125	2V - 5.5V
PIC16F74	Flash	7	4	No	0	192	33	40	20	-	8	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 0 -MSSP (SPI/I2C) 1 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit	-40 to 125	2V - 5.5V
PIC16F747	Flash	7	4	No	0	368	36	20	20	8 MHz	14	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 1 -MSSP (SPI/I2C) 0 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit	-40 to 125	2V - 5.5V
PIC16F76	Flash	14	8	No	0	368	22	28	20	-	5	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 0 -MSSP (SPI/I2C) 1 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit	-40 to 125	2V - 5.5V
PIC16F77	Flash	14	8	No	0	368	33	40	20	-	8	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 0 -MSSP (SPI/I2C) 1 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit	-40 to 125	2V - 5.5V
PIC16F777	Flash	14	8	No	0	368	36	40	20	8 MHz	14	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 1 -MSSP (SPI/I2C) 0 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit	-40 to 125	2V - 5.5V
PIC16F785	Flash	3.5	2	No	256	128	18	20	20	8 MHz, 32 kHz	12	-UART 0 -A/E/USART 0 -SPI 0 -I2C	2 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 15V
Product Family	Memory Type	Program Memory KBytes	Program Memory KWords	Self-write	EEPROM Data Memory Bytes	RAM Bytes	I/O Pins	Pin count	Max. CPU Speed MHz	Internal Oscillator	# of A/D Ch.	Digital Communication	Timers	Temperature Range	Operation Voltage Range
												0 -UART	2 - 8-bit		

Product Family	Memory Type	Program Memory KBytes	Program Memory KWords	Self-write	EEPROM Data Memory Bytes	RAM Bytes	I/O Pins	Pin count	Max. CPU Speed MHz	Internal Oscillator	# of A/D Ch.	Digital Communication	Timers	Temperature Range	Operation Voltage Range
PIC16F818	Flash	1.75	1	Yes	128	128	16	18	20	-	5	0 -A/E/USART 0 -SPI 0 -I2C 1 -SSP(SPI/I2C)	1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V
PIC16F84A	Flash	1.75	1	No	64	68	13	18	20	-	0	0 -UART 0 -A/E/USART 0 -SPI 0 -I2C 0 -MSSP (SPI/I2C) 0 -SSP(SPI/I2C)	1 - 8-bit 0 - 16-bit	-40 to 85	2V - 6V
PIC16F87	Flash	7	4	Yes	256	368	16	18	20	8 MHz	0	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 1 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V
PIC16F873A	Flash	7	4	Yes	128	192	22	28	20	-	5	1-A/E/USART 1-MSSP (SPI/I2C)	2 - 8-bit 1 - 16-bit	-40 to 125	2V - 5.5V
PIC16F874A	Flash	7	4	Yes	128	192	33	40	20	-	8	1-A/E/USART 1-MSSP (SPI/I2C)	2 - 8-bit 1 - 16-bit	-40 to 125	2V - 5.5V
PIC16F876A	Flash	14	8	Yes	256	368	22	28	20	-	5	1-A/E/USART 1-MSSP (SPI/I2C)	2 - 8-bit 1 - 16-bit	-40 to 125	2V - 5.5V
PIC16F877A	Flash	14	8	Yes	256	368	33	40	20	-	8	1-A/E/USART 1-MSSP (SPI/I2C)	2 - 8-bit 1 - 16-bit	-40 to 125	2V - 5.5V
PIC16F88	Flash	7	4	Yes	256	368	16	18	20	8 MHz	7	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 0 -MSSP (SPI/I2C) 1 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit	-40 to 125	2V - 5.5V
PIC16F882	Flash	3.5	2	Yes	128	128	25	28	20	8 MHz, 32 kHz	11	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 1 -MSSP (SPI/I2C) 0 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V
PIC16F883	Flash	7	4	Yes	256	256	25	28	20	8 MHz, 32 kHz	11	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 1 -MSSP (SPI/I2C) 0 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V
PIC16F884	Flash	7	4	Yes	256	256	36	40	20	8 MHz, 32 kHz	14	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 1 -MSSP (SPI/I2C) 0 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V
PIC16F886	Flash	14	8	Yes	256	368	25	28	20	8 MHz, 32 kHz	11	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 1 -MSSP (SPI/I2C) 0 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V
PIC16F887	Flash	14	8	Yes	256	368	36	40	20	8 MHz, 32 kHz	14	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 1 -MSSP (SPI/I2C) 0 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V

PIC16F913	Flash	7	4	No	256	256	25	28	20	8 MHz, 32 kHz	5	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 1 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V
PIC16F914	Flash	7	4	No	256	256	36	40	20	8 MHz, 32 kHz	8	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 1 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V
PIC16F916	Flash	14	8	No	256	352	25	28	20	8 MHz, 32 kHz	5	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 1 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V
PIC16F917	Flash	14	8	No	256	352	36	40	20	8 MHz, 32 kHz	8	0 -UART 1 -A/E/USART 0 -SPI 0 -I2C 1 -SSP(SPI/I2C)	2 - 8-bit 1 - 16-bit 0 - 32-bit	-40 to 125	2V - 5.5V