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8-BIT PIC® MICROCONTROLLERS

	Product	Released (R) Not Released (NR)	Pins		Core	Memory				Voltage Range	Operating Speed		LCD Segments	mTouch™ Channels	Analog Sensing & Measurement							Digital											Communication						Monitors		SR-Latch	Timer 1 Gate	5 ku Pricing†	Packages (Designator)	Special Features
			Total	I/O		Program	Self-Read/Write	Data RAM (B)	Data EE (B)		Maximum Speed	Internal Oscillator			8-bit ADC	10-bit ADC	12-bit ADC	Comparators	Charge Time Measurement Unit	Op Amp	DAC (5b/8b/9b)	PWM	CCP	ECCP	CWG/COG	NCO	PSMC	CLC	8-bit Timer	16-bit Timer	AUSART	EUSART	I²C™/SPI	Ethernet (MAC/PHY)	USB 2.0 Device	CAN	BOR/PBOR	PLVD					
6-Pin	PIC10F200	R	6	4	BL	0.375 KB 0.25 Kw	–	16	–	2V–5.5V	4 MHz	4 MHz	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	$0.30	PDIP (P), 2 × 3 DFN (MC), SOT-23 (OT)	Smallest form-factor
	PIC10F202	R	6	4	BL	0.75 KB 0.50 Kw	–	24	–	2V–5.5V	4 MHz	4 MHz	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	$0.33	PDIP (P), 2 × 3 DFN (MC), SOT-23 (OT)	Smallest form-factor
	PIC10F204	R	6	4	BL	0.375 KB 0.25 Kw	–	16	–	2V–5.5V	4 MHz	4 MHz	–	1	–	–	–	1	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	$0.33	PDIP (P), 2 × 3 DFN (MC), SOT-23 (OT)	Smallest form-factor
	PIC10F206	R	6	4	BL	0.75 KB 0.50 Kw	–	24	–	2V–5.5V	4 MHz	4 MHz	–	1	–	–	–	1	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	$0.36	PDIP (P), 2 × 3 DFN (MC), SOT-23 (OT)	Smallest form-factor
	PIC10F220	R	6	4	BL	0.375 KB 0.25 Kw	–	16	–	2V–5.5V	8 MHz	4 MHz, 8 MHz	–	2	2	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	$0.36	PDIP (P), 2 × 3 DFN (MC), SOT-23 (OT)	Smallest form-factor
	PIC10F222	R	6	4	BL	0.75 KB 0.50 Kw	–	23	–	2V–5.5V	8 MHz	4 MHz, 8 MHz	–	2	2	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	$0.39	PDIP (P), 2 × 3 DFN (MC), SOT-23 (OT)	Smallest form-factor
	PIC10F320	R	6	4	MR	0.4375 KB 0.25 Kw	RW	32	–	1.8V–5.5V	16 MHz	16 MHz	–	3	3	–	–	–	–	–	–	2	–	–	1/0	1	–	1	2	1	–	–	–	–	–	–	–	SW◊	–	–	$0.39	PDIP (P), 2 × 3 DFN (MC), SOT-23 (OT)	Temp*
	PIC10F322	R	6	4	MR	0.875 KB 0.50 Kw	RW	64	–	1.8V–5.5V	16 MHz	16 MHz	–	3	3	–	–	–	–	–	–	2	–	–	1/0	1	–	1	2	1	–	–	–	–	–	–	–	SW◊	–	–	$0.42	PDIP (P), 2 × 3 DFN (MC), SOT-23 (OT)	Temp*
8-Pin	PIC12F508	R	8	6	BL	0.75 KB 0.50 Kw	–	25	–	2V–5.5V	4 MHz	4 MHz	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	$0.41	PDIP (P), SOIC (SN), MSOP (MS), 2 × 3 DFN (MC)	
	PIC12F509	R	8	6	BL	1.5 KB 1 Kw	–	41	–	2V–5.5V	4 MHz	4 MHz	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	$0.45	PDIP (P), SOIC (SN), MSOP (MS), 2 × 3 DFN (MC)	
	PIC12F510	R	8	6	BL	1.5 KB 1 Kw	–	38	–	2V–5.5V	8 MHz	4 MHz, 8 MHz	–	3	3	–	–	1	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	$0.49	PDIP (P), SOIC (SN), MSOP (MS), 2 × 3 DFN (MC)	
	PIC12F519	R	8	6	BL	1.5 KB 1 Kw	–	41	64	2V–5.5V	8 MHz	4 MHz, 8 MHz	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	$0.49	PDIP (P), SOIC (SN), MSOP (MS), 2 × 3 DFN (MC)	Lowest cost Data EE
	PIC12F1501	R	8	6	EMR	1.75 KB 1 Kw	RW	64	–	1.8V–5.5V	20 MHz	16 MHz	–	1	–	4	–	1	–	–	–	4	–	–	1/0	1	–	1	2	1	–	–	–	–	–	–	PBOR	SW◊	–	✓	$0.49	PDIP (P), SOIC (SO), MSOP (MS), 2 × 3 DFN (MC)	Temp*
	PIC12F609	R	8	6	MR	1.75 KB 1 Kw	–	64	–	2V–15V	20 MHz	4 MHz, 8 MHz	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	BOR	SW◊	–	✓	$0.52	PDIP (P), SOIC (SN), MSOP (MS), 4 × 4 DFN (MD), 3 × 3 DFN (MF)	
	PIC12F615	R	8	6	MR	1.75 KB 1 Kw	–	64	–	2V–15V	20 MHz	4 MHz, 8 MHz	–	4	–	4	–	1	–	–	–	–	–	1	–	–	–	–	2	1	–	–	–	–	–	–	BOR	SW◊	–	✓	$0.55	PDIP (P), SOIC (SN), MSOP (MS), 4 × 4 DFN (MD), 3 × 3 DFN (MF)	
	PIC12F617	R	8	6	MR	3.5 KB 2 Kw	RW	128	–	2V–5.5V	20 MHz	4 MHz, 8 MHz	–	4	–	4	–	1	–	–	–	–	–	1	–	–	–	–	2	1	–	–	–	–	–	–	BOR	SW◊	–	✓	$0.59	PDIP (P), SOIC (SN), MSOP (MS), 3 × 3 DFN (MF)	
	PIC12F752	R	8	6	MR	1.75 KB 1 Kw	RW	64	–	2V–5.5V	20 MHz	4 MHz, 8 MHz	–	4	–	4	–	2	–	–	1/0/0	–	1	–	0/1	–	–	–	3	1	–	–	–	–	–	–	BOR	SW◊	–	✓	$0.59	PDIP (P), SOIC (SN), 3 × 3 DFN (MF)	HV Option
	PIC12LF1552 XLP	R	8	6	EMR	3.5 KB 2 Kw	RW	256	–	1.8V–3.6V	32 MHz	16 MHz	–	5	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	1	–	–	–	BOR	–	–	–	$0.66	PDIP (P), MSOP (MS), SOIC (SN), 2 × 3 DFN (MC)	Hardware CVD
	PIC12F629	R	8	6	MR	1.75 KB 1 Kw	–	64	128	2V–5.5V	20 MHz	4 MHz	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	BOR	SW◊	–	✓	$0.70	PDIP (P), SOIC (SN), 4 × 4 DFN (MD), 6 × 5 DFN (MF)	
	PIC12F1822 XLP	R	8	6	EMR	3.5 KB 2 Kw	RW	128	256	1.8V-5.5V	32 MHz	32 MHz, 31 kHz	–	4	–	4	–	1	–	–	–	–	–	1	–	–	–	–	2	1	–	1	1	–	–	–	BOR	SW◊	–	✓	$0.73	PDIP (P), SOIC (SN), 3 × 3 DFN (MF)	Temp*
	PIC12F675	R	8	6	MR	1.75 KB 1 Kw	–	64	128	2V–5.5V	20 MHz	4 MHz	–	3	–	3	–	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	BOR	SW◊	–	✓	$0.77	PDIP (P), SOIC (SN), 4 × 4 DFN (MD), 6 × 5 DFN (MF)	
	PIC12F1840 XLP	R	8	6	EMR	7 KB 4 Kw	RW	256	256	1.8V-5.5V	32 MHz	32 MHz, 31 KHz	–	–	–	4	–	1	–	–	–	–	–	1	–	–	–	–	2	1	–	1	1	–	–	–	PBOR	SW	✓	✓	$0.78	PDIP (P), SOIC (SN), 6 × 5 DFN (MF)	DSM, Temp*
	PIC12F635	R	8	6	MR	1.75 KB 1 Kw	–	64	128	2V–5.5V	20 MHz	8 MHz, 31 kHz	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	BOR	✓	–	✓	$0.84	PDIP (P), SOIC (SN), 4 × 4 DFN (MD)	KEELOQ®
	PIC12F683	R	8	6	MR	3.5 KB 2 Kw	–	128	256	2V–5.5V	20 MHz	8 MHz, 31 kHz	–	3	–	3	–	1	–	–	–	–	1	–	–	–	–	–	2	1	–	–	–	–	–	–	PBOR	SW◊	–	✓	$0.91	PDIP (P), SOIC (SN), 4 × 4 DFN (MD)	
14-Pin	PIC16F753	NR	14	12	MR	3.5 KB 2 Kw	RW	128	–	2V–5.5V	20 MHz	4/8 MHz	–	8	–	8	–	2	–	1	0/0/1	–	1	1	0/1	–	–	–	3	1	–	–	–	–	–	–	BOR	SW◊	–	✓	call for pricing	PDIP (P), SOIC (SL), TSSOP (ST), 4 × 4 QFN (ML)	HV Option, Slope compensation
	PIC16F505	R	14	12	BL	1.5 KB 1 Kw	–	72	–	2V–5.5V	20 MHz	4 MHz	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	$0.48	PDIP (P), SOIC (SL), TSSOP (ST), 3 × 3 QFN (MG)	
	PIC16F506	R	14	12	BL	1.5 KB 1 Kw	–	67	–	2V–5.5V	20 MHz	4/8 MHz	–	4	4	–	–	2	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	$0.52	PDIP (P), SOIC (SL), TSSOP (ST), 3 × 3 QFN (MG)	
	PIC16F526	R	14	12	BL	1.5 KB 1 Kw	–	67	64	2V–5.5V	20 MHz	4/8 MHz	–	4	4	–	–	2	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	$0.55	PDIP (P), SOIC (SL), TSSOP (ST), 3 × 3 QFN (MG)	Lowest cost Data EE
	PIC16F1503	R	14	12	EMR	3.5 KB 2 Kw	RW	128	–	1.8V–5.5V	20 MHz	16 MHz	–	2	–	8	–	2	–	–	–	4	–	–	1/0	1	–	1	2	1	–	–	1	–	–	–	PBOR	SW◊	–	✓	$0.55	PDIP (P), SOIC (SL), SSOP (SS), 3 × 3 QFN (MG)	Temp*
	PIC16F610	R	14	12	MR	1.75 KB 1 Kw	–	64	–	2V–15V	20 MHz	4/8 MHz	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	BOR	–	✓	✓	$0.59	PDIP (P), SOIC (SL), TSSOP (ST), 4 × 4 QFN (ML)	
	PIC16F616	R	14	12	MR	3.5 KB 2 Kw	–	128	–	2V–15V	20 MHz	4/8 MHz	–	8	–	8	–	2	–	–	–	–	–	1	–	–	–	–	2	1	–	–	–	–	–	–	BOR	SW◊	✓	✓	$0.69	PDIP (P), SOIC (SL), TSSOP (ST), 4 × 4 QFN (ML)	
	PIC16F1823 XLP	R	14	12	EMR	3.5 KB 2 Kw	RW	128	256	1.8V-5.5V	32 MHz	32 MHz, 31 kHz	–	8	–	8	–	2	–	–	–	–	–	1	–	–	–	–	2	1	–	1	1	–	–	–	BOR	SW◊	✓	✓	$0.78	PDIP (P), SOIC (SL), TSSOP (ST), 4 × 4 QFN (ML)	Temp*

Products sorted by pin count followed by pricing.
† Pricing subject to change; please contact your Microchip representative for most current pricing.
◊ Software PLVD implemented via ADC.
* Integrated Temperature Indicator: Reference Application Note AN1333 for implementation.
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8-BIT PIC® MICROCONTROLLERS

	Product	Released (R) Not Released (NR)	Pins		Core	Memory				Voltage Range	Operating Speed		LCD Segments	mTouch™ Channels	Analog Sensing & Measurement						Digital										Communication						Monitors		SR-Latch	Timer 1 Gate	5 ku Pricing†	Packages (Designator)	Special Features
			Total	I/O		Program	Self-Read/Write	Data RAM (B)	Data EE (B)		Maximum Speed	Internal Oscillator			8-bit ADC	10-bit ADC	12-bit ADC	Comparators	Charge Time Measurement Unit	Op Amp	DAC (5b/8b/9b)	PWM	CCP	ECCP	CWG/COG	NCO	PSMC	CLC	8-bit Timer	16-bit Timer	AUSART	EUSART	I²C™/SPI	Ethernet (MAC/PHY)	USB 2.0 Device	CAN	BOR/PBOR	PLVD				
14-Pin (Cont.)	PIC16F1824 XLP	R	14	12	EMR	7 KB 4 Kw	RW	256	256	1.8V–5.5V	32 MHz	32 MHz, 31 kHz	–	8	–	8	–	2	–	–	–	–	2	2	–	–	–	–	4	1	–	1	1	–	–	–	BOR	SW◊	✓	✓	$0.84	PDIP (P), SOIC (SL), TSSOP (ST), 4 × 4 QFN (ML)	DSM, Temp*
	PIC16F630	R	14	12	MR	1.75 KB 1 Kw	–	64	128	2V–5.5V	20 MHz	4 MHz	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	BOR	–	–	✓	$0.91	PDIP (P), SOIC (SL), TSSOP (ST), 4 × 4 QFN (ML)	
	PIC16F1454 XLP	R	14	12	EMR	7 KB 4 Kw	RW	512	–	1.8V–5.5V	48 MHz	48 MHz, 31 KHz	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	1	1	–	✓	–	PBOR	SW	–	✓	$0.91	PDIP (P), TSSOP (ST), SOIC (SL), 4 × 4 QFN (ML)	Crystal Free USB
	PIC16F636	R	14	12	MR	3.5 KB 2 Kw	–	128	256	2V–5.5V	20 MHz	8 MHz, 31 kHz	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	BOR	–	–	✓	$0.92	PDIP (P), SOIC (SL), TSSOP (ST), 4 × 4 QFN (ML)	KEELOQ®
	PIC16F1825 XLP	R	14	12	EMR	14 KB 8 Kw	RW	1024	256	1.8V–5.5V	32 MHz	32 MHz, 31 kHz	–	8	–	8	–	2	–	–	–	–	2	2	–	–	–	–	4	1	–	1	1	–	–	–	BOR	SW◊	✓	✓	$0.92	PDIP (P), SOIC (SL), TSSOP (ST), 4 × 4 QFN (ML)	DSM, Temp*
	PIC16F676	R	14	12	MR	1.75 KB 1 Kw	–	64	128	2V–5.5V	20 MHz	4 MHz	–	8	–	8	–	1	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	BOR	–	–	✓	$0.98	PDIP (P), SOIC (SL), TSSOP (ST), 4 × 4 QFN (ML)	
	PIC16F684	R	14	12	MR	3.5 KB 2 Kw	–	128	256	2V–5.5V	20 MHz	8 MHz, 31 kHz	–	8	–	8	–	2	–	–	–	–	–	1	–	–	–	–	2	1	–	–	–	–	–	–	BOR	–	–	✓	$0.98	PDIP (P), SOIC (SL), TSSOP (ST), 4 × 4 QFN (ML)	
	PIC16F688	R	14	12	MR	7 KB 4 Kw	R	256	256	2V–5.5V	20 MHz	8 MHz, 31 kHz	–	8	–	8	–	2	–	–	–	–	–	–	–	–	–	–	1	1	–	1	–	–	–	–	BOR	–	–	✓	$1.04	PDIP (P), SOIC (SL), TSSOP (ST), 4 × 4 QFN (ML)	
	PIC16F1455 XLP	R	14	12	EMR	14 KB 8 Kw	RW	1024	–	1.8V–5.5V	48 MHz	48 MHz, 31 KHz	–	5	–	5	–	2	–	–	–	2	–	–	–	–	–	–	2	1	–	1	1	–	✓	–	PBOR	SW	–	✓	$1.04	PDIP (P), TSSOP (ST), SOIC (SL), 4 × 4 QFN (ML)	Crystal Free USB
	PIC16F1705 XLP	NR	14	12	EMR	14 KB	RW	1024	–	1.8V–5.5V	32 MHz	32 MHz	–	12	–	12	–	2	–	2	0/1/0	2	2	0	0/1	–	–	4	4	1	–	1	1	–	–	–	BOR	–	–	✓	call for pricing	PDIP (P), SOIC (SL), TSSOP (ST), 4 × 4 QFN (ML)	
18-Pin	PIC16F54	R	18	12	BL	0.75 KB 0.50 Kw	–	25	–	2V–5.5V	20 MHz	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	$0.39	PDIP (P), SOIC (SO), SSOP (SS)	
	PIC16F1826 XLP	R	18	16	EMR	3.5 KB 2 Kw	RW	256	256	1.8V–5.5V	32 MHz	32 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	–	1	–	–	–	–	2	1	–	1	1	–	–	–	BOR	SW◊	✓	✓	$0.97	PDIP (P), SOIC (SO), SSOP (SS), QFN (ML)	DSM, Temp*
	PIC16F1827 XLP	R	18	16	EMR	7 KB 4 Kw	RW	384	256	1.8V–5.5V	32 MHz	32 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	2	2	–	–	–	–	4	1	–	1	2	–	–	–	BOR	SW◊	✓	✓	$1.04	PDIP (P), SOIC (SO), SSOP (SS), QFN (ML)	DSM, Temp*
	PIC16F1847 XLP	R	18	16	EMR	14 KB 8 Kw	RW	1024	256	1.8V–5.5V	32 MHz	32 MHz, 31 KHz	–	–	–	–	12	–	2	–	–	–	–	2	2	–	–	–	–	4	1	–	1	2	–	–	–	PBOR	SW	✓	✓	$1.09	PDIP (P), SOIC (SO), SSOP (SS), QFN (ML), UQFN (MV)	DSM, Temp*
20-Pin	PIC16F527	R	20	18	EBL	1.5 KB 1 Kw	RW	68	64	2V–5.5V	20 Mhz	8 MHz	–	–	8	–	–	2	–	2	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	BOR	–	–	–	$0.49	PDIP (P), 4 × 4 QFN (ML), SSOP (SS), SOIC (SO)	
	PIC16F1507	R	20	18	EMR	3.5 KB 2 Kw	RW	128	–	1.8V–5.5V	20 MHz	16 MHz	–	–	–	12	–	–	–	–	–	4	–	–	1/0	1	–	1	2	1	–	–	–	–	–	–	PBOR	SW	–	✓	$0.69	PDIP (P), SOIC (SO), SSOP, 4 × 4 QFN (ML)	Temp*
	PIC16F720	R	20	18	MR	3.5 KB 2 Kw	RW	128	–	1.8V–5.5V	16 MHz	16 MHz, 500 kHz	–	12	12	–	–	–	–	–	–	–	1	–	–	–	–	–	2	1	1	–	1	–	–	–	BOR	SW◊	–	✓	$0.77	PDIP (P), SOIC (SO), SSOP (SS), QFN (ML)	Temp*
	PIC16F1508 XLP	R	20	18	EMR	7 KB 4 Kw	RW	256	–	1.8V–5.5V	20 MHz	16 MHz	–	2	–	12	–	2	–	–	–	4	–	–	1/0	1	–	1	2	1	–	1	1	–	–	–	PBOR	SW	–	✓	$0.77	PDIP (P), SOIC (SO), SSOP, 4 × 4 QFN (ML)	Temp*
	PIC16F1509 XLP	R	20	18	EMR	14 KB 8 Kw	RW	512	–	1.8V–5.5V	20 MHz	16 MHz	–	2	–	12	–	2	–	–	–	4	–	–	1/0	1	–	1	2	1	–	1	1	–	–	–	PBOR	SW	–	✓	$0.81	PDIP (P), SOIC (SO), SSOP, 4 × 4 QFN (ML)	Temp*
	PIC16F721	R	20	18	MR	7 KB 4 Kw	RW	256	–	1.8V–5.5V	16 MHz	16 MHz, 500 kHz	–	12	12	–	–	–	–	–	–	–	1	–	–	–	–	–	2	1	1	–	1	–	–	–	BOR	SW◊	–	✓	$0.84	PDIP (P), SOIC (SO), SSOP (SS), QFN (ML)	Temp*
	PIC16F631	R	20	18	MR	1.75 KB 1 Kw	R	64	128	2V–5.5V	20 MHz	8 MHz, 31 kHz	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	BOR	SW◊	✓	✓	$0.91	PDIP (P), SOIC (SO), SSOP (SS), QFN (ML)	
	PIC16F677	R	20	18	MR	3.5 KB 2 Kw	R	128	256	2V–5.5V	20 MHz	8 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	–	–	–	–	–	–	1	1	–	–	1	–	–	–	BOR	SW◊	✓	✓	$0.99	PDIP (P), SOIC (SO), SSOP (SS), QFN (ML)	
	PIC16F1828 XLP	R	20	18	EMR	7 KB 4 Kw	RW	256	256	1.8V–5.5V	32 MHz	32 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	2	2	–	–	–	–	4	1	–	1	1	–	–	–	BOR	SW◊	✓	✓	$0.99	PDIP (P), SOIC (SO), SSOP (SS), QFN (ML)	DSM, Temp*
	PIC16F1829 XLP	R	20	18	EMR	14 KB 8 Kw	RW	1024	256	1.8V–5.5V	32 MHz	32 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	2	2	–	–	–	–	4	1	–	1	2	–	–	–	BOR	SW◊	✓	✓	$1.06	PDIP (P), SOIC (SO), SSOP (SS), QFN (ML)	DSM, Temp*
	PIC16F687	R	20	18	MR	3.5 KB 2 Kw	R	128	256	2V–5.5V	20 MHz	8 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	–	–	–	–	–	–	1	1	–	1	1	–	–	–	BOR	SW◊	✓	✓	$1.07	PDIP (P), SOIC (SO), SSOP (SS), QFN (ML)	
	PIC16F785	R	20	18	MR	3.5 KB 2 Kw	–	128	256	2V–15V	20 MHz	8 MHz, 31 kHz	–	12	–	12	–	2	–	2	–	2	1	–	–	–	–	–	2	1	–	–	–	–	–	–	BOR	SW◊	–	✓	$1.12	PDIP (P), SOIC (SO), SSOP (SS), QFN (ML)	
	PIC16F685	R	20	18	MR	7 KB 4 Kw	R	256	256	2V–5.5V	20 MHz	8 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	–	1	–	–	–	–	2	1	–	–	–	–	–	–	BOR	SW◊	✓	✓	$1.13	PDIP (P), SOIC (SO), SSOP (SS), QFN (ML)	
	PIC16F689	R	20	18	MR	7 KB 4 Kw	R	256	256	2V–5.5V	20 MHz	8 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	–	–	–	–	–	–	1	1	–	1	1	–	–	–	BOR	SW◊	✓	✓	$1.13	PDIP (P), SOIC (SO), SSOP (SS), QFN (ML)	

Products sorted by pin count followed by pricing.
† Pricing subject to change; please contact your Microchip representative for most current pricing.
◊ Software PLVD implemented via ADC.
* Integrated Temperature Indicator: Reference Application Note AN1333 for implementation.
XLP eXtreme Low Power variants available.

8-BIT PIC® MICROCONTROLLERS

	Product	Released (R) Not Released (NR)	Pins		Memory				Voltage Range	Operating Speed		LCD Segments	mTouch™ Channels	Analog Sensing & Measurement							Digital										Communication						Monitors					Packages (Designator)	Special Features
			Total	I/O	Program	Self-Read/Write	Data RAM (B)	Data EE (B)		Maximum Speed	Internal Oscillator			8-bit ADC	10-bit ADC	12-bit ADC	Comparators	Charge Time Measurement Unit	Op Amp	DAC (5b/8b/9b)	PWM	CCP	ECCP	CWG/COG	NCO	PSMC	CLC	8-bit Timer	16-bit Timer	AUSART	EUSART	I²C™/SPI	Ethernet (MAC/PHY)	USB 2.0 Device	CAN	BOR/PBOR	PLVD	SR-Latch	Timer 1 Gate	5 ku Pricing†		
20-Pin (Cont.)	PIC16F1459 XLP	R	20	18	14 KB 8 Kw	RW	1024	–	1.8V–5.5V	48 MHz	48 MHz, 31 KHz	–	9	–	9	–	2	–	–	–	2	–	–	–	–	–	–	2	1	–	1	1	–	✓	–	PBOR	SW◊	–	✓	$1.18	PDIP (P), SOIC (SO), SSOP (SS), 4 × 4 QFN (ML)	Crystal Free USB
	PIC16F690	R	20	18	7 KB 4 Kw	R	256	256	2V–5.5V	20 MHz	8 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	–	1	–	–	–	–	2	1	–	1	1	–	–	–	BOR	SW◊	✓	✓	$1.20	PDIP (P), SOIC (SO), SSOP (SS), QFN (ML)	
	PIC18F13K22 XLP	R	20	18	8 KB 4 Kw	RW	256	256	1.8V–5.5V	64 MHz	64 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	–	1	–	–	–	–	1	3	–	1	1	–	–	–	PBOR	SW◊	✓	–	$1.33	PDIP (P), SOIC (SO), SSOP (SS), QFN (ML)	Temp*
	PIC18F13K50 XLP	R	20	15	8 KB 4 Kw	RW	512	256	1.8V–5.5V	48 MHz	32 MHz, 31 kHz	–	9	–	9	–	2	–	–	–	–	–	1	–	–	–	–	1	3	–	1	1	–	✓	–	PBOR	SW◊	✓	–	$1.39	PDIP (P), SOIC (SO), SSOP (SS), QFN (ML)	Temp*
	PIC18F14K22 XLP	R	20	18	16 KB 8 Kw	RW	512	256	1.8V–5.5V	64 MHz	64 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	–	1	–	–	–	–	1	3	–	1	1	–	–	–	PBOR	SW◊	✓	–	$1.47	PDIP (P), SOIC (SO), SSOP (SS), QFN (ML)	Temp*
	PIC18F14K50 XLP	R	20	15	16 KB 8 Kw	RW	768	256	1.8V–5.5V	48 MHz	32 MHz, 31 kHz	–	9	–	9	–	2	–	–	–	–	–	1	–	–	–	–	1	3	–	1	1	–	✓	–	PBOR	SW◊	✓	–	$1.53	PDIP (P), SOIC (SO), SSOP (SS), QFN (ML)	Temp*
	PIC16F1709 XLP	NR	20	18	EMR	RW	1024	–	1.8V–5.5V	32 MHz	32 MHz	–	12	–	12	–	2	–	2	0/1/0	2	2	0	0/1	–	–	4	4	1	–	1	1	–	–	–	BOR	–	–	✓	call for pricing	PDIP (P), SOIC (SO), SSOP (SS), 4 × 4 QFN (ML)	
28-Pin	PIC16F570	NR	28	25	3 KB 2 Kw	RW	132	64	2V–5.5V	20 MHz	8 MHz	–	–	8	–	–	2	–	2	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	BOR	–	–	–	call for pricing	SPDIP (P), 6 × 6 QFN (ML), SSOP (SS), SOIC (SO)	
	PIC16F57	R	28	20	3 KB 2 Kw	–	72	–	2V–5.5V	20 MHz	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	$0.52	SPDIP (SP), SOIC (SO), SSOP (SS)	
	PIC16F722A XLP	R	28	25	3.5 KB 2 Kw	R	128	–	1.8V–5.5V	20 MHz	16 MHz	–	11	11	–	–	–	–	–	–	–	2	–	–	–	–	–	2	1	1	–	1	–	–	–	BOR	SW◊	–	✓	$0.78	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML), 4 × 4 UQFN (MV)	Temp*
	PIC16LF1902 XLP	R	28	25	3.5 KB 2 Kw	RW	128	–	1.8V–3.6V	20 MHz	16 MHz	72	11	–	11	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	SW◊	–	–	$0.78	SPDIP (SP), SOIC (SO), SSOP (SS), 4 × 4 UQFN (MV)	Temp*
	PIC16F1512 XLP	R	28	25	3.5 KB 2 Kw	RW	128	–	1.8V–5.5V	20 MHz	16 MHz, 31 KHz	–	17	–	17	–	–	–	–	–	–	2	–	–	–	–	–	2	1	–	1	1	–	–	–	PBOR	SW	–	✓	$0.81	SPDIP (SP), SOIC (SO), SSOP (SS), 4 × 4 UQFN (MV)	Temp*
	PIC16F723A XLP	R	28	25	7 KB 4 Kw	R	192	–	1.8V–5.5V	20 MHz	16 MHz	–	11	11	–	–	–	–	–	–	–	2	–	–	–	–	–	2	1	1	–	1	–	–	–	BOR	SW◊	–	✓	$0.85	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML), 4 × 4 UQFN (MV)	Temp*
	PIC16LF1903 XLP	R	28	25	7 KB 4 Kw	RW	256	–	1.8V–3.6V	20 MHz	16 MHz	72	11	–	11	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–	SW◊	–	–	$0.85	SPDIP (SP), SOIC (SO), SSOP (SS), 4 × 4 UQFN (MV)	Temp*
	PIC16F1513 XLP	R	28	25	7 KB 4 Kw	RW	256	–	1.8V–5.5V	20 MHz	16 MHz, 31 KHz	–	17	–	17	–	–	–	–	–	–	2	–	–	–	–	–	2	1	–	1	1	–	–	–	PBOR	SW	–	✓	$0.88	SPDIP (SP), SOIC (SO), SSOP (SS), 4 × 4 UQFN (MV)	Temp*
	PIC16LF1906 XLP	R	28	25	14 KB 8 Kw	RW	512	–	1.8V–3.6V	20 MHz	16 MHz	72	11	–	11	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	1	–	–	–	–	–	SW◊	–	–	$0.91	SPDIP (SP), SOIC (SO), SSOP (SS), 4 × 4 UQFN (MV)	Temp*
	PIC16F1516 XLP	R	28	25	14 KB 8 Kw	RW	512	–	1.8V–5.5V	20 MHz	16 MHz	–	17	–	17	–	–	–	–	–	–	2	–	–	–	–	–	2	1	–	1	1	–	–	–	PBOR	SW	–	✓	$0.95	SPDIP (SP), SOIC (SO), SSOP (SS), 4 × 4 UQFN (MV)	Temp*
	PIC16F1518 XLP	R	28	25	28 KB 16 Kw	RW	1024	–	1.8V–5.5V	20 MHz	16 MHz	–	17	–	17	–	–	–	–	–	–	2	–	–	–	–	–	2	1	–	1	1	–	–	–	PBOR	SW	–	✓	$1.01	SPDIP (SP), SOIC (SO), SSOP (SS), 4 × 4 UQFN (MV)	Temp*
	PIC16F882	R	28	25	3.5 KB 2 Kw	RW	128	128	2V–5.5V	20 MHz	8 MHz, 31 kHz	–	11	–	11	–	2	–	–	–	–	1	1	–	–	–	–	2	1	–	1	1	–	–	–	BOR	SW◊	✓	✓	$1.16	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML)	
	PIC16F726 XLP	R	28	25	14 KB 8 Kw	R	368	–	1.8V–5.5V	20 MHz	16 MHz	–	11	11	–	–	–	–	–	–	–	2	–	–	–	–	–	2	1	1	–	1	–	–	–	BOR	SW◊	–	✓	$1.23	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML), 4 × 4 UQFN (MV)	Temp*
	PIC16F1782 XLP	R	28	25	3.5 KB 2 Kw	RW	256	256	1.8V–5.5V	32 MHz	32 MHz	–	11	–	–	11	3	–	2	0/1/0	–	2	–	–	–	2	–	2	1	–	1	1	–	–	–	BOR	SW◊	–	✓	$1.23	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML), 4 × 4 UQFN (MV)	
	PIC16F1933 XLP	R	28	25	7 KB 4 Kw	RW	256	256	1.8V–5.5V	32 MHz	32 MHz, 31 kHz	60	11	–	11	–	2	–	–	–	–	2	3	–	–	–	–	4	1	–	1	1	–	–	–	PBOR	SW◊	✓	✓	$1.23	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML), 4 × 4 UQFN (MV)	Temp*
	PIC18F23K20 XLP	R	28	25	8 KB 4 Kw	RW	512	256	1.8V–3.6V	64 MHz	16 MHz, 31 kHz	–	11	–	11	–	2	–	–	–	–	1	1	–	–	–	–	1	3	–	1	1	–	–	–	BOR	✓	–	–	$1.23	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML), 4 × 4 UQFN (MV)	
	PIC16F1783 XLP	R	28	25	7 KB 4 Kw	RW	512	256	1.8V–5.5V	32 MHz	32 MHz	–	11	–	–	11	3	–	2	0/1/0	–	2	–	–	–	2	–	2	1	–	1	1	–	–	–	BOR	SW◊	–	✓	$1.30	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML), 4 × 4 UQFN (MV)	
	PIC16F1936 XLP	R	28	25	14 KB 8 Kw	RW	512	256	1.8V–5.5V	32 MHz	32 MHz, 31 kHz	60	11	–	11	–	2	–	–	–	–	2	3	–	–	–	–	4	1	–	1	1	–	–	–	PBOR	SW◊	✓	✓	$1.30	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML), 4 × 4 UQFN (MV)	Temp*
	PIC18F24K20 XLP	R	28	25	16 KB 8 Kw	RW	768	256	1.8V–3.6V	64 MHz	16 MHz, 31 kHz	–	11	–	11	–	2	–	–	–	–	1	1	–	–	–	–	1	3	–	1	1	–	–	–	PBOR	✓	–	–	$1.30	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML)	
	PIC16F883	R	28	25	7 KB 4 Kw	RW	256	256	2V–5.5V	20 MHz	8 MHz, 31 kHz	–	11	–	11	–	2	–	–	–	–	1	1	–	–	–	–	2	1	–	1	1	–	–	–	BOR	SW◊	✓	✓	$1.37	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML)	
	PIC16F1786 XLP	R	28	25	14 KB 8 Kw	RW	1024	256	1.8V–5.5V	32 MHz	32 MHz	–	11	–	–	11	4	–	2	0/1/0	–	3	–	–	–	3	–	2	1	–	1	1	–	–	–	BOR	SW◊	–	✓	$1.37	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML)	
	PIC16F1938 XLP	R	28	25	28 KB 16 Kw	RW	1024	256	1.8V–5.5V	32 MHz	32 MHz, 31 kHz	60	11	–	11	–	2	–	–	–	–	2	3	–	–	–	–	4	1	–	1	1	–	–	–	PBOR	SW◊	✓	✓	$1.37	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML), 4 × 4 UQFN (MV)	Temp*
	PIC18F25K20 XLP	R	28	25	32 KB 16 Kw	RW	1536	256	1.8V–3.6V	64 MHz	16 MHz, 31 kHz	–	11	–	11	–	2	–	–	–	–	1	1	–	–	–	–	1	3	–	1	1	–	–	–	PBOR	✓	–	–	$1.37	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML)	

Products sorted by pin count followed by pricing.
† Pricing subject to change; please contact your Microchip representative for most current pricing.
◊ Software PLVD implemented via ADC.
* Integrated Temperature Indicator: Reference Application Note AN1333 for implementation.
XLP eXtreme Low Power variants available.

8-BIT PIC® MICROCONTROLLERS

	Product	Released (R) Not Released (NR)	Pins		Core	Memory				Voltage Range	Operating Speed		LCD Segments	mTouch™ Channels	Analog Sensing & Measurement							Digital										Communication						Monitors					Packages (Designator)	Special Features
			Total	I/O		Program	Self-Read/Write	Data RAM (B)	Data EE (B)		Maximum Speed	Internal Oscillator			8-bit ADC	10-bit ADC	12-bit ADC	Comparators	Charge Time Measurement Unit	Op Amp	DAC (5b/8b/9b)	PWM	CCP	ECCP	CWG/COG	NCO	PSMC	CLC	8-bit Timer	16-bit Timer	AUSART	EUSART	I²C™/SPI	Ethernet (MAC/PHY)	USB 2.0 Device	CAN	BOR/PBOR	PLVD	SR-Latch	Timer 1 Gate	5 ku Pricing†		
28-Pin (Cont.)	PIC18F23K22 XLP	R	28	25	PIC18	8 KB 4 Kw	RW	512	256	1.8V–5.5V	64 MHz	16 MHz, 31 kHz	–	17	–	17	–	2	✓	–	–	–	1	1	–	–	–	–	–	3	–	2	2	–	–	–	PBOR	✓	✓	✓	$1.41	SPDIP (SP), SOIC (SO), SSOP (SS), 6×6 QFN (ML), 4×4 UQFN (MV)	Temp*
	PIC18F24J10	R	28	21	PIC18	16 KB 8 Kw	RW	1024	–	2V–3.6V	40 MHz	32 kHz	–	10	–	10	–	2	–	–	–	–	2	–	–	–	–	–	–	2	–	1	1	–	–	–	BOR	–	–	–	$1.44	SPDIP (SP), SOIC (SO), QFN (ML)	
	PIC16F1788 XLP	NR	28	25	EMR	28 KB 16 Kw	RW	2K	256	1.8V–5.5V	32 MHz	32 MHz	–	11	–	–	11	4	–	2	3/1/0	–	3	–	–	–	4	–	2	1	–	1	1	–	–	–	BOR	SW◊	–	✓	$1.44	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML)	
	PIC18F24K22 XLP	R	28	25	PIC18	16 KB 8 Kw	RW	768	256	1.8V–5.5V	64 MHz	16 MHz, 31 kHz	–	17	–	17	–	2	✓	–	–	–	1	1	–	–	–	–	–	3	–	2	2	–	–	–	PBOR	✓	✓	✓	$1.48	SPDIP (SP), SOIC (SO), SSOP (SS), 6×6 QFN (ML), 4×4 UQFN(MV)	Temp*
	PIC16F886	R	28	25	MR	14 KB 8 Kw	RW	368	256	2V–5.5V	20 MHz	8 MHz, 31 kHz	–	11	–	11	–	2	–	–	–	–	1	1	–	–	–	–	–	1	–	1	1	–	–	–	BOR	SW◊	✓	✓	$1.49	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML)	
	PIC18F25J10	R	28	21	PIC18	32 KB 16 Kw	RW	1024	–	2V–3.6V	40 MHz	32 kHz	–	10	–	10	–	2	–	–	–	–	2	–	–	–	–	–	–	2	–	1	1	–	–	–	BOR	–	–	–	$1.58	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML)	
	PIC18F25K22 XLP	R	28	25	PIC18	32 KB 16 Kw	RW	1536	256	1.8V–5.5V	64 MHz	16 MHz, 31 kHz	–	17	–	17	–	2	✓	–	–	–	2	3	–	–	–	–	–	4	–	2	2	–	–	–	PBOR	✓	✓	✓	$1.62	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML)	Temp*
	PIC18F24J11 XLP	R	28	21	PIC18	16 KB 8 Kw	RW	3800	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	10	–	10	–	2	✓	–	–	–	–	2	–	–	–	–	–	3	–	2	2	–	–	–	BOR	SW◊	–	–	$1.65	SPDIP (SP), SOIC (SO), QFN (ML)	Peripheral Pin Select, Deep Sleep Mode
	PIC18F24K50 XLP	R	28	25	PIC18	16 KB 8 Kw	RW	2K	256	1.8V–5.5V	48 MHz	48 MHz	–	14	–	14	–	2	✓	–	–	–	1	1	–	–	–	–	2	2	–	1	1	–	✓	–	BOR	–	–	–	$1.65	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML)	
	PIC18F26K20 XLP	R	28	25	PIC18	64 KB 32 Kw	RW	3936	1024	1.8V–3.6V	64 MHz	16 MHz, 31 kHz	–	11	–	11	–	2	–	–	–	–	1	1	–	–	–	–	–	3	–	1	1	–	–	–	PBOR	✓	–	–	$1.65	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML)	Temp*
	PIC18F25K50 XLP	R	28	25	PIC18	16 KB 16 Kw	RW	2K	256	1.8V–5.5V	48 MHz	48 MHz	–	14	–	14	–	2	✓	–	–	–	1	1	–	–	–	–	2	2	–	1	1	–	✓	–	BOR	–	–	–	$1.76	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML)	Crystal Free USB
	PIC18F25J11 XLP	R	28	21	PIC18	32 KB 16 Kw	RW	3800	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	10	–	10	–	2	✓	–	–	–	–	2	–	–	–	–	–	3	–	2	2	–	–	–	BOR	SW◊	–	–	$1.79	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML)	Peripheral Pin Select, Deep Sleep Mode
	PIC18F24J50 XLP	R	28	22	PIC18	16 KB 8 Kw	RW	3800	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	10	–	10	–	2	✓	–	–	–	–	2	–	–	–	–	2	3	–	2	2	–	✓	–	BOR	SW◊	–	–	$1.86	SPDIP (SP), SOIC (SO), QFN (ML)	Peripheral Pin Select, Deep Sleep Mode
	PIC18F26K22 XLP	R	28	25	PIC18	64 KB 32 Kw	RW	3896	1024	1.8V–5.5V	64 MHz	16 MHz, 31 kHz	–	17	–	17	–	2	✓	–	–	–	2	3	–	–	–	–	3	4	–	2	2	–	–	–	PBOR	✓	✓	✓	$1.92	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML)	Temp*
	PIC18F25K80 XLP	R	28	24	PIC18	32 KB 16 Kw	RW	3648	1024	1.8V–5.5V	64 MHz	8 MHz, 31 kHz	–	8	–	–	8	2	✓	–	–	–	4	1	–	–	–	–	2	3	–	2	1	–	–	✓	PBOR	✓	–	–	$1.93	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML)	Deep Sleep Mode
	PIC18F25J50 XLP	R	28	22	PIC18	32 KB 16 Kw	RW	3800	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	10	–	10	–	2	✓	–	–	–	–	2	–	–	–	–	2	3	–	2	2	–	✓	–	BOR	SW◊	–	–	$2.00	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML)	Peripheral Pin Select, Deep Sleep Mode
	PIC18F26J11 XLP	R	28	21	PIC18	64 KB 32 Kw	RW	3800	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	10	–	10	–	2	✓	–	–	–	–	2	–	–	–	–	2	3	–	2	2	–	–	–	BOR	SW◊	–	–	$2.07	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML)	Peripheral Pin Select, Deep Sleep Mode
	PIC18F26K80 XLP	R	28	24	PIC18	64 KB 32 Kw	RW	3648	1024	1.8V–5.5V	64 MHz	8 MHz, 31 kHz	–	8	–	–	8	2	✓	–	–	–	4	1	–	–	–	–	2	3	–	2	1	–	–	✓	PBOR	✓	–	–	$2.21	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML)	Deep Sleep Mode
	PIC18F26J13 XLP	R	28	23	PIC18	64 KB 32 Kw	RW	3808	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	10	–	–	10	3	✓	–	–	–	7	3	–	–	–	–	4	4	–	2	2	–	–	–	BOR	✓	–	–	$2.24	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML)	SPI w/DMA
	PIC18F26J50 XLP	R	28	22	PIC18	64 KB 32 Kw	RW	3800	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	10	–	10	–	2	✓	–	–	–	–	2	–	–	–	–	2	3	–	2	2	–	✓	–	BOR	SW◊	–	–	$2.28	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML)	Peripheral Pin Select, Deep Sleep Mode
	PIC18F26J53 XLP	R	28	22	PIC18	64 KB 32 Kw	RW	3808	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	10	–	–	10	3	✓	–	–	–	7	3	–	–	–	–	4	4	–	2	2	–	✓	–	BOR	✓	–	–	$2.45	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML)	SPI w/DMA
	PIC18F27J13 XLP	R	28	23	PIC18	128 KB 64 Kw	RW	3808	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	10	–	–	10	3	✓	–	–	–	7	3	–	–	–	–	4	4	–	2	2	–	–	–	BOR	✓	–	–	$2.48	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML)	SPI w/DMA
	PIC18F27J53 XLP	R	28	22	PIC18	128 KB 64 Kw	RW	3808	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	10	–	–	10	3	✓	–	–	–	7	3	–	–	–	–	4	4	–	2	2	–	✓	–	BOR	✓	–	–	$2.69	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML)	SPI w/DMA
	PIC16F1718 XLP	NR	28	25	EMR	28 KB	RW	2048	–	1.8V–5.5V	32 MHz	32 MHz	–	17	–	17	–	2	–	2	1/1/0	2	2	0	0/1	1	–	4	4	1	–	1	1	–	–	–	BOR	–	–	✓	call for pricing	PDIP (P), SOIC (SO), SSOP (SS), UQFN 4 × 4 (MV), QFN 6 × 6 (ML)	
40-Pin	PIC16F59	R	40	32	BL	3 KB 2 Kw	–	134	–	2V–5.5V	20 MHz	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	$0.85	PDIP (P), TQFP (PT)	
	PIC16LF1904 XLP	R	40	36	EMR	7 KB 4 Kw	RW	256	–	1.8V–3.6V	20 MHz	16 MHz	116	14	–	14	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	1	–	–	–	–	–	–	–	–	$1.19	PDIP (P), TQFP (PT), 5 × 5 UQFN (MV)	Integrated LCD Driver, Temp*
	PIC16LF1907 XLP	R	40	36	EMR	14 KB 8 Kw	RW	512	–	1.8V–3.6V	20 MHz	16 MHz	116	14	–	14	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	1	–	–	–	–	–	–	–	–	$1.25	PDIP (P), TQFP (PT), 5 × 5 UQFN (MV)	Integrated LCD Driver, Temp*
	PIC16F1517 XLP	R	40	36	EMR	14 KB 8 Kw	RW	512	–	1.8V–5.5V	20 MHz	16 MHz	–	28	–	28	–	–	–	–	–	–	2	–	–	–	–	–	2	1	–	1	1	–	–	–	PBOR	SW	–	✓	$1.32	PDIP (P), TQFP (PT), 5 × 5 UQFN (MV)	Temp*
	PIC16F1519 XLP	R	40	36	EMR	28 KB 16 Kw	RW	1024	–	1.8V–5.5V	20 MHz	16 MHz	–	28	–	28	–	–	–	–	–	–	2	–	–	–	–	–	2	1	–	1	1	–	–	–	PBOR	SW	–	✓	$1.37	PDIP (P), TQFP (PT), 5 × 5 UQFN (MV)	Temp*
	PIC16F724 XLP	R	40	36	MR	7 KB 4 Kw	RW	192	–	1.8V–5.5V	20 MHz	16 MHz	–	16	14	–	–	–	–	–	–	–	2	–	–	–	–	–	2	1	1	–	1	–	–	–	BOR	SW◊	–	✓	$1.40	PDIP (P), TQFP (PT), 8 × 8 QFN (ML), 5 × 5 UQFN (MV)	Temp*
	PIC16F1934 XLP	R	40	36	EMR	7 KB 4 Kw	RW	256	256	1.8V–5.5V	32 MHz	32 MHz, 31 kHz	96	16	–	14	–	2	–	–	–	–	2	3	–	–	–	–	4	1	–	1	1	–	–	–	PBOR	SW◊	✓	✓	$1.47	PDIP (P), TQFP (PT), 8 × 8 QFN (ML), 5 × 5 UQFN (MV)	Temp*
	PIC18F43K20 XLP	R	40	36	PIC18	8 KB 4 Kw	RW	512	256	1.8V–3.6V	64 MHz	16 MHz, 31 kHz	–	14	–	14	–	2	–	–	–	–	1	1	–	–	–	–	1	3	–	1	1	–	–	–	BOR	✓	–	–	$1.47	PDIP (P), TQFP (PT), 8 × 8 QFN (ML), 5 × 5 UQFN (MV)	

Products sorted by pin count followed by pricing.
† Pricing subject to change; please contact your Microchip representative for most current pricing.
◊ Software PLVD implemented via ADC.
* Integrated Temperature Indicator: Reference Application Note AN1333 for implementation.
XLP eXtreme Low Power variants available.

8-BIT PIC® MICROCONTROLLERS

	Product	Released (R) Not Released (NR)	Pins		Core	Memory				Voltage Range	Operating Speed		LCD Segments	mTouch™ Channels	Analog Sensing & Measurement							Digital											Communication						Monitors		SR-Latch	Timer 1 Gate	5 ku Pricing†	Packages (Designator)	Special Features
			Total	I/O		Program	Self-Read/Write	Data RAM (B)	Data EE (B)		Maximum Speed	Internal Oscillator			8-bit ADC	10-bit ADC	12-bit ADC	Comparators	Charge Time Measurement Unit	Op Amp	DAC (5b/8b/9b)	PWM	CCP	ECCP	CWG/COG	NCO	PSMC	CLC	8-bit Timer	16-bit Timer	AUSART	EUSART	I²C™/SPI	Ethernet (MAC/PHY)	USB 2.0 Device	CAN	BOR/PBOR	PLVD					
40/44-Pin (Cont.)	PIC16F727 XLP	R	40	36	MR	14 KB 8 Kw	RW	368	–	1.8V–5.5V	20 MHz	16 MHz	–	16	14	–	–	–	–	–	–	–	2	–	–	–	–	–	2	1	1	–	1	–	–	–	BOR	SW◊	–	✓	$1.54	PDIP (P), TQFP (PT), 8 × 8 QFN (ML), 5 × 5 UQFN (MV)	Temp*
	PIC16F1784 XLP	R	40	36	EMR	7 KB 4 Kw	RW	512	256	1.8V–5.5V	32 MHz	32 MHz	–	–	–	–	14	4	–	3	0/1/0	–	3	–	–	–	3	–	2	1	–	1	1	–	–	–	BOR	SW◊	–	✓	$1.54	PDIP (P), TQFP (PT), 8 × 8 QFN (ML), 5 × 5 UQFN (MV)	
	PIC16F1937 XLP	R	40	36	EMR	14 KB 8 Kw	RW	512	256	1.8V–5.5V	32 MHz	32 MHz, 31 kHz	96	16	–	14	–	2	–	–	–	–	2	3	–	–	–	–	4	1	–	1	1	–	–	–	PBOR	SW◊	✓	✓	$1.54	PDIP (P), TQFP (PT), 8 × 8 QFN (ML), 5 × 5 UQFN (MV)	Temp*
	PIC18F44K20 XLP	R	40	36	PIC18	16 KB 8 Kw	RW	768	256	1.8V–3.6V	64 MHz	16 MHz, 31 kHz	–	14	–	14	–	2	–	–	–	–	1	1	–	–	–	–	1	3	–	1	1	–	–	–	PBOR	✓	–	–	$1.54	PDIP (P), TQFP (PT), 8 × 8 QFN (ML), 5 × 5 UQFN (MV)	
	PIC16F1787 XLP	R	40	36	EMR	14 KB 8 Kw	RW	1024	256	1.8V–5.5V	32 MHz	32 MHz	–	–	–	–	14	4	–	3	0/1/0	–	3	–	–	–	3	–	2	1	–	1	1	–	–	–	BOR	SW◊	–	✓	$1.61	PDIP (P), TQFP (PT), 8 × 8 QFN (ML), 5 × 5 UQFN (MV)	
	PIC16F1939 XLP	R	40	36	EMR	28 KB 16 Kw	RW	1024	256	1.8V–5.5V	32 MHz	32 MHz, 31 kHz	96	16	–	14	–	2	–	–	–	–	2	3	–	–	–	–	4	1	–	1	1	–	–	–	PBOR	SW◊	✓	✓	$1.61	PDIP (P), TQFP (PT), 8 × 8 QFN (ML), 5 × 5 UQFN (MV)	Temp*
	PIC18F45K20 XLP	R	40	36	PIC18	32 KB 16 Kw	RW	1536	256	1.8V–3.6V	64 MHz	16 MHz, 31 kHz	–	14	–	14	–	2	–	–	–	–	1	1	–	–	–	–	1	3	–	1	1	–	–	–	PBOR	✓	–	–	$1.61	PDIP (P), TQFP (PT), 8 × 8 QFN (ML), 5 × 5 UQFN (MV)	
	PIC16F884	R	40	36	MR	7 KB 4 Kw	RW	256	256	2V–5.5V	20 MHz	8 MHz, 31 kHz	–	14	–	14	–	2	–	–	–	–	1	1	–	–	–	–	2	1	–	1	1	–	–	–	BOR	SW◊	✓	✓	$1.63	PDIP (P), TQFP (PT), 8 × 8 QFN (ML)	
	PIC18F44J10	R	40	32	PIC18	16 KB 8 Kw	RW	1024	–	2V–3.6V	40 MHz	31 kHz	–	13	–	13	–	2	–	–	–	–	1	1	–	–	–	–	1	2	–	1	2	–	–	–	BOR	–	–	–	$1.67	PDIP (P), TQFP (PT), QFN (ML)	
	PIC18F43K22 XLP	R	40	36	PIC18	8 KB 4 Kw	RW	512	256	1.8V–5.5V	64 MHz	16 MHz, 31 kHz	–	28	–	28	–	2	✓	–	–	–	1	1	–	–	–	–	1	3	–	2	2	–	–	–	PBOR	P	P	P	$1.68	PDIP (P), TQFP (PT), 8 × 8 QFN (ML), 5 × 5 UQFN (MV)	Temp*
	PIC18F1789 XLP	NR	40	36	EMR	28 KB 16 kW	RW	2K	256	1.8V–5.5V	32 MHz	32 MHz	–	14	–	–	14	4	–	3	3/1/0	–	3	–	–	–	4	–	2	1	–	1	1	–	–	–	BOR	–	–	✓	$1.68	SPDIP (SP), SOIC (SO), SSOP (SS), 6 × 6 QFN (ML), 4 × 4 UQFN (MV)	
	PIC18F44K22 XLP	R	40	36	PIC18	16 KB 8 Kw	RW	768	256	1.8V–5.5V	64 MHz	16 MHz, 31 kHz	–	28	–	28	–	2	✓	–	–	–	1	1	–	–	–	–	1	3	–	2	2	–	–	–	PBOR	P	P	P	$1.75	PDIP (P), TQFP (PT), 8 × 8 QFN (ML), 5 × 5 UQFN (MV)	Temp*
	PIC16F887	R	40	36	MR	14 KB 8 Kw	RW	368	256	2V–5.5V	20 MHz	8 MHz, 31 kHz	–	14	–	14	–	2	–	–	–	–	1	1	–	–	–	–	2	1	–	1	1	–	–	–	BOR	SW◊	✓	✓	$1.78	PDIP (P), TQFP (PT), 8 × 8 QFN (ML)	
	PIC18F45J10	R	40	32	PIC18	32 KB 16 Kw	RW	1024	–	2V–3.6V	40 MHz	31 kHz	–	13	–	13	–	2	–	–	–	–	1	1	–	–	–	–	1	2	–	1	2	–	–	–	BOR	–	–	–	$1.81	PDIP (P), TQFP (PT), QFN (ML)	
	PIC18F46K20 XLP	R	40	36	PIC18	64 KB 32 Kw	RW	3936	1024	1.8V–3.6V	64 MHz	16 MHz, 31 kHz	–	14	–	14	–	2	–	–	–	–	1	1	–	–	–	–	1	3	–	1	1	–	–	–	PBOR	✓	–	–	$1.82	PDIP (P), TQFP (PT), 8 × 8 QFN (ML)	
	PIC18F45K22 XLP	R	40	36	PIC18	32 KB 16 Kw	RW	1536	256	1.8V–5.5V	64 MHz	16 MHz, 31 kHz	–	28	–	28	–	2	✓	–	–	–	2	2	–	–	–	–	3	4	–	2	2	–	–	–	PBOR	✓	✓	✓	$1.89	PDIP (P), TQFP (PT), 8 × 8 QFN (ML), 5 × 5 UQFN (MV)	Temp*
	PIC18F44J11 XLP	R	40	34	PIC18	16 KB 8 Kw	RW	3800	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	13	–	13	–	2	✓	–	–	–	–	–	2	–	–	–	2	3	–	2	2	–	–	–	BOR	SW◊	–	–	$1.95	TQFP (PT), QFN (ML)	Peripheral Pin Select, Deep Sleep Mode
	PIC18F45K50 XLP	R	40	36	PIC18	32KB 16 kW	RW	2K	256	1.8V–5.5V	48 MHz	48 MHz	–	25	–	25	–	2	✓	–	–	–	1	1	–	–	–	–	2	2	–	1	1	–	✓	–	BOR	–	–	–	$1.99	PDIP (P), TQFP (PT), 5 × 5 UQFN (MV)	Crystal Free USB
	PIC18F45J11 XLP	R	40	34	PIC18	32 KB 16 Kw	RW	3800	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	13	–	13	–	2	✓	–	–	–	–	–	2	–	–	–	2	3	–	2	2	–	–	–	BOR	SW◊	–	–	$2.09	TQFP (PT), QFN (ML)	Peripheral Pin Select, Deep Sleep Mode
	PIC18F44J50 XLP	R	40	34	PIC18	16 KB 8 Kw	RW	3800	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	13	–	13	–	2	✓	–	–	–	–	–	2	–	–	–	2	3	–	2	2	–	✓	–	BOR	SW◊	–	–	$2.16	TQFP (PT), QFN (ML)	Peripheral Pin Select, Deep Sleep Mode
	PIC18F45K80 XLP	R	40	35	PIC18	32 KB 16 Kw	RW	3648	1024	1.8V–5.5V	64 MHz	8 MHz, 31 kHz	–	11	–	–	11	2	✓	–	–	–	4	1	–	–	–	–	2	3	–	2	1	–	–	✓	PBOR	✓	✓	✓	$2.17	PDIP (P), TQFP (PT), QFN (ML)	Deep Sleep Mode
	PIC18F46K22 XLP	R	40	36	PIC18	64 KB 32 Kw	RW	3896	1024	1.8V–5.5V	64 MHz	16 MHz, 31 kHz	–	28	–	28	–	2	✓	–	–	–	2	2	–	–	–	–	3	4	–	2	2	–	–	–	PBOR	✓	✓	✓	$2.17	PDIP (P), TQFP (PT), 8 × 8 QFN (ML), 5 × 5 UQFN (MV)	Temp*
	PIC18F45J50 XLP	R	40	34	PIC18	32 KB 16 Kw	RW	3800	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	13	–	13	–	2	✓	–	–	–	–	–	2	–	–	–	2	3	–	2	2	–	✓	–	BOR	SW◊	–	–	$2.30	TQFP (PT), QFN (ML)	Peripheral Pin Select, Deep Sleep Mode
	PIC18F46J11 XLP	R	40	34	PIC18	64 KB 32 Kw	RW	3800	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	13	–	13	–	2	✓	–	–	–	–	–	2	–	–	–	2	3	–	2	2	–	–	–	BOR	SW◊	–	–	$2.37	PDIP (P), TQFP (PT), QFN (ML)	Peripheral Pin Select, Deep Sleep Mode
	PIC18F46K80 XLP	R	44	35	PIC18	64 KB 32 Kw	RW	3648	1024	1.8V–5.5V	64 MHz	8 MHz, 31 kHz	–	11	–	–	11	2	✓	–	–	–	4	1	–	–	–	–	2	3	–	2	1	–	–	✓	PBOR	✓	–	–	$2.45	PDIP (P), TQFP (PT), QFN (ML)	Deep Sleep Mode
	PIC18F46J13 XLP	R	44	34	PIC18	64 KB 32 Kw	RW	3808	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	13	–	–	13	3	✓	–	–	–	7	3	–	–	–	–	4	4	–	2	2	–	–	–	BOR	✓	–	–	$2.52	TQFP (PT), QFN (ML)	SPI w/DMA
	PIC18F46J50 XLP	R	40	34	PIC18	64 KB 32 Kw	RW	3800	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	13	–	13	–	2	✓	–	–	–	–	–	2	–	–	–	2	3	–	2	2	–	✓	–	BOR	SW◊	–	–	$2.58	PDIP (P), TQFP (PT), QFN (ML)	Peripheral Pin Select, Deep Sleep Mode
	PIC18F46J53 XLP	R	44	33	PIC18	64 KB 32 Kw	RW	3808	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	13	–	–	13	3	✓	–	–	–	7	3	–	–	–	–	4	4	–	2	2	–	✓	–	BOR	✓	–	–	$2.73	TQFP (PT), QFN (ML)	Integrated LCD Driver, SPI w/DMA
	PIC18F47J13 XLP	R	44	34	PIC18	128 KB 64 Kw	RW	3808	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	13	–	–	13	3	✓	–	–	–	7	3	–	–	–	–	4	4	–	2	2	–	–	–	BOR	✓	–	–	$2.76	TQFP (PT), QFN (ML)	SPI w/DMA
	PIC18F47J53 XLP	R	44	33	PIC18	128 KB 64 Kw	RW	3808	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	13	–	–	13	3	✓	–	–	–	7	3	–	–	–	–	4	4	–	2	2	–	✓	–	BOR	✓	–	–	$2.97	TQFP (PT), QFN (ML)	Integrated LCD Driver, SPI w/DMA
	PIC16F1719 XLP	NR	40	36	EMR	28 KB	RW	2048	–	1.8V–5.5V	32 MHz	32 MHz	–	28	–	28	–	2	–	3	1/1/0	2	2	0	0/1	1	–	4	4	1	–	1	1	–	–	–	BOR	–	–	✓	call for pricing	PDIP (P), TQFP (PT), 5 × 5 UQFN (MV)	

Products sorted by pin count followed by pricing.
† Pricing subject to change; please contact your Microchip representative for most current pricing.
◊ Software PLVD implemented via ADC.
* Integrated Temperature Indicator: Reference Application Note AN1333 for implementation.
XLP eXtreme Low Power variants available.

8-BIT PIC® MICROCONTROLLERS

	Product	Released (R) Not Released (NR)	Pins		Core	Memory				Voltage Range	Operating Speed		LCD Segments	mTouch™ Channels	Analog Sensing & Measurement						Digital											Communication						Monitors		SR-Latch	Timer 1 Gate	5 ku Pricing†	Packages (Designator)	Special Features
			Total	I/O		Program	Self-Read/Write	Data RAM (B)	Data EE (B)		Maximum Speed	Internal Oscillator			8-bit ADC	10-bit ADC	12-bit ADC	Comparators	Charge Time Measurement Unit	Op Amp	DAC (5b/8b/9b)	PWM	CCP	ECCP	CWG/COG	NCO	PSMC	CLC	8-bit Timer	16-bit Timer	AUSART	EUSART	I²C™/SPI	Ethernet (MAC/PHY)	USB 2.0 Device	CAN	BOR/PBOR	PLVD					
64-Pin	PIC16F1526 XLP	R	64	54	EMR	14 KB 8 Kw	RW	768	–	1.8V–5.5V	20 MHz	16 MHz	–	30	–	30	–	–	–	–	–	–	10	–	–	–	–	–	6	3	–	2	2	–	–	–	PBOR	SW◊	–	✓	$1.47	TQFP (PT), QFN (MR)	Temp*
	PIC16F1527 XLP	R	64	54	EMR	28 KB 16 Kw	RW	1536	–	1.8V–5.5V	20 MHz	16 MHz	–	30	–	30	–	–	–	–	–	–	10	–	–	–	–	–	6	3	–	2	2	–	–	–	PBOR	SW◊	–	✓	$1.54	TQFP (PT), QFN (MR)	Temp*
	PIC16F1946 XLP	R	64	53	EMR	14 KB 8 Kw	RW	512	256	1.8V–5.5V	32 MHz	32 MHz, 31 kHz	184	17	–	17	–	3	–	–	–	–	2	3	–	–	–	–	4	1	–	2	2	–	–	–	BOR	SW◊	✓	✓	$1.75	TQFP (PT), QFN (MR)	Temp*
	PIC16F1947 XLP	R	64	53	EMR	28 KB 16 Kw	RW	1024	256	1.8V–5.5V	32 MHz	32 MHz, 31 kHz	184	17	–	17	–	3	–	–	–	–	2	3	–	–	–	–	4	1	–	2	2	–	–	–	BOR	SW◊	✓	✓	$1.82	TQFP (PT), QFN (MR)	Temp*
	PIC18F63J11	R	64	54	PIC18	8 KB 4 Kw	RW	1024	–	2V–3.6V	40 MHz	8 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	2	–	–	–	–	–	1	3	1	1	1	–	–	–	PBOR	SW◊	–	–	$2.20	TQFP (PT)	
	PIC18F65J10	R	64	50	PIC18	32 KB 16 Kw	RW	2048	–	2V–3.6V	40 MHz	31 kHz	–	11	–	11	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	2	–	–	–	BOR	✓	–	–	$2.25	TQFP (PT)	
	PIC18F64J11	R	64	54	PIC18	16 KB 8 Kw	RW	1024	–	2V–3.6V	40 MHz	8 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	2	–	–	–	–	–	1	3	1	1	1	–	–	–	BOR	SW◊	–	–	$2.27	TQFP (PT)	
	PIC18F63J90	R	64	51	PIC18	8 KB 4 Kw	RW	1024	–	2V–3.6V	40 MHz	8 MHz, 31 kHz	132	12	–	12	–	2	–	–	–	–	2	–	–	–	–	–	1	3	1	1	1	–	–	–	BOR	✓	–	–	$2.35	TQFP (PT)	Integrated LCD Driver
	PIC18F65J11	R	64	54	PIC18	32 KB 16 Kw	RW	2048	–	2V–3.6V	40 MHz	8 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	2	–	–	–	–	–	1	3	1	1	1	–	–	–	BOR	SW◊	–	–	$2.37	TQFP (PT)	
	PIC18F65J94 XLP	R	64	51	PIC18	32 KB 16 Kw	RW	4096	–	2V–3.6V	64 MHz	64 MHz	224	24	–	16	16	3	✓	–	–	✓	7	3	–	–	–	–	4	4	–	4	2	–	✓	–	BOR	–	–	✓	$2.38	QFN (MR), TQFP (PT)	USB & LCD
	PIC18F65K22 XLP	R	64	53	PIC18	32 KB 16 Kw	RW	2048	1024	1.8V–5.5V	64 MHz	31 kHz, 500 kHz, 16 MHz	–	16	–	–	16	3	✓	–	–	–	5	3	–	–	–	–	4	4	–	2	2	–	–	–	BOR	✓	–	–	$2.39	TQFP (PT), QFN (MR)	
	PIC18F64J90	R	64	51	PIC18	16 KB 8 Kw	RW	1024	–	2V–3.6V	40 MHz	8 MHz, 31 kHz	132	12	–	12	–	2	–	–	–	–	2	–	–	–	–	–	1	3	1	1	1	–	–	–	BOR	✓	–	–	$2.41	TQFP (PT)	Integrated LCD Driver
	PIC18F66J10	R	64	50	PIC18	64 KB 32 Kw	RW	2048	–	2V–3.6V	40 MHz	31 kHz	–	11	–	11	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	2	–	–	–	BOR	✓	–	–	$2.49	TQFP (PT)	
	PIC18F65J90	R	64	50	PIC18	32 KB 16 Kw	RW	2048	–	2V–3.6V	40 MHz	8 MHz, 31 kHz	132	12	–	12	–	2	–	–	–	–	2	–	–	–	–	–	1	3	1	1	1	–	–	–	BOR	✓	–	–	$2.52	TQFP (PT)	Integrated LCD Driver
	PIC18F65K90 XLP	R	64	53	PIC18	32 KB 16 Kw	RW	2048	1024	1.8V–5.5V	64 MHz	31 kHz, 500 kHz, 16 MHz	132	16	–	–	16	3	✓	–	–	–	5	3	–	–	–	–	4	4	–	2	2	–	–	–	BOR	✓	–	–	$2.53	TQFP (PT), QFN (MR)	Integrated LCD Driver
	PIC18F65J50	R	64	49	PIC18	32 KB 16 Kw	RW	3904	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	8	–	8	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	2	–	✓	–	BOR	✓	–	–	$2.63	TQFP (PT)	
	PIC18F66J11	R	64	50	PIC18	64 KB 32 Kw	RW	3904	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	11	–	11	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	2	–	–	–	BOR	✓	–	–	$2.63	TQFP (PT)	
	PIC18F66J94 XLP	R	64	51	PIC18	64 KB 32 Kw	RW	4096	–	2V–3.6V	64 MHz	64 MHz	224	24	–	16	16	3	✓	–	–	✓	7	3	–	–	–	–	4	4	–	4	2	–	✓	–	BOR	–	–	✓	$2.69	QFN (MR), TQFP (PT)	USB & LCD
	PIC18F66J93	R	64	51	PIC18	64 KB 32 Kw	RW	3900	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	132	12	–	–	12	2	✓	–	–	–	2	–	–	–	–	–	1	3	1	1	1	–	–	–	BOR	✓	–	–	$2.70	TQFP (PT)	Integrated LCD Driver, RTCC
	PIC18F65K80 XLP	R	64	54	PIC18	32 KB 16 Kw	RW	3648	1024	1.8V–5.5V	64 MHz	8 MHz, 31 kHz	–	11	–	–	11	2	✓	–	–	–	4	1	–	–	–	–	2	3	–	2	1	–	–	✓	PBOR	✓	–	–	$2.70	TQFP (PT), QFN (MR)	Deep Sleep Mode
	PIC18F66K22 XLP	R	64	53	PIC18	64 KB 32 Kw	RW	4096	1024	1.8V–5.5V	64 MHz	31 kHz, 500 kHz, 16 MHz	–	16	–	–	16	3	✓	–	–	–	7	3	–	–	–	–	6	5	–	2	2	–	–	–	BOR	✓	–	–	$2.70	TQFP (PT), QFN (MR)	
	PIC18F67J10	R	64	50	PIC18	128 KB 64 Kw	RW	3936	–	2V–3.6V	40 MHz	31 kHz	–	11	–	11	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	2	–	–	–	BOR	✓	–	–	$2.77	TQFP (PT)	
	PIC18F66K90 XLP	R	64	53	PIC18	64 KB 32 Kw	RW	4096	1024	1.8V–5.5V	64 MHz	31 kHz, 500 kHz, 16 MHz	132	16	–	–	16	3	✓	–	–	–	7	3	–	–	–	–	6	5	–	2	2	–	–	–	BOR	✓	–	–	$2.84	TQFP (PT), QFN (MR)	Integrated LCD Driver
	PIC18F66J50	R	64	49	PIC18	64 KB 32 Kw	RW	3904	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	8	–	8	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	2	–	✓	–	BOR	✓	–	–	$2.90	TQFP (PT)	
	PIC18F67J11	R	64	50	PIC18	128 KB 64 Kw	RW	3904	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	11	–	11	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	2	–	–	–	BOR	✓	–	–	$2.93	TQFP (PT)	
	PIC18F67J94 XLP	R	64	51	PIC18	128 KB 64 Kw	RW	4096	–	2V–3.6V	64 MHz	64 MHz	224	24	–	16	16	3	✓	–	–	✓	7	3	–	–	–	–	4	4	–	4	2	–	✓	–	BOR	–	–	✓	$2.93	QFN (MR), TQFP (PT)	USB & LCD
	PIC18F67K22 XLP	R	64	53	PIC18	128 KB 64 Kw	RW	4096	1024	1.8V–5.5V	64 MHz	31 kHz, 500 kHz, 16 MHz	–	16	–	–	16	3	✓	–	–	–	7	3	–	–	–	–	6	5	–	2	2	–	–	–	BOR	✓	–	–	$2.94	TQFP (PT), QFN (MR)	
	PIC18F66K80 XLP	R	64	54	PIC18	64 KB 32 Kw	RW	3648	1024	1.8V–5.5V	64 MHz	8 MHz, 31 kHz	–	11	–	–	11	2	✓	–	–	–	4	1	–	–	–	–	2	3	–	2	1	–	–	✓	PBOR	✓	–	–	$2.98	TQFP (PT), QFN (MR)	Deep Sleep Mode
	PIC18F67J93	R	64	51	PIC18	128 KB 64 Kw	RW	3900	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	132	12	–	–	12	2	✓	–	–	–	2	–	–	–	–	–	1	3	1	1	1	–	–	–	BOR	✓	–	–	$3.00	TQFP (PT)	Integrated LCD Driver, RTCC
	PIC18F67K90 XLP	R	64	53	PIC18	128 KB 64 Kw	RW	4096	1024	1.8V–5.5V	64 MHz	31 kHz, 500 kHz, 16 MHz	132	16	–	–	16	3	✓	–	–	–	7	3	–	–	–	–	6	5	–	2	2	–	–	–	BOR	✓	–	–	$3.08	TQFP (PT), QFN (MR)	Integrated LCD Driver
	PIC18F67J50	R	64	49	PIC18	128 KB 64 Kw	RW	3904	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	8	–	8	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	2	–	✓	–	BOR	✓	–	–	$3.19	TQFP (PT)	

Products sorted by pin count followed by pricing.
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◊ Software PLVD implemented via ADC.
* Integrated Temperature Indicator: Reference Application Note AN1333 for implementation.
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	Product	Released (R) Not Released (NR)	Pins		Core	Memory				Voltage Range	Operating Speed		LCD Segments	mTouch™ Channels	Analog Sensing & Measurement							Digital										Communication						Monitors		SR-Latch	Timer 1 Gate	5 ku Pricing†	Packages (Designator)	Special Features
			Total	I/O		Program	Self-Read/Write	Data RAM (B)	Data EE (B)		Maximum Speed	Internal Oscillator			8-bit ADC	10-bit ADC	12-bit ADC	Comparators	Charge Time Measurement Unit	Op Amp	DAC (5b/8b)	PWM	CCP	ECCP	CWG/COG	NCO	PSMC	CLC	8-bit Timer	16-bit Timer	AUSART	EUSART	I²C™/SPI	Ethernet (MAC/PHY)	USB 2.0 Device	CAN	BOR/PBOR	PLVD					
80-Pin	PIC18F83J11	R	80	70	PIC18	8 KB 4 Kw	RW	1024	–	2V–3.6V	40 MHz	8 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	2	–	–	–	–	–	1	3	1	1	1	–	–	–	BOR	SW◊	–	–	$2.46	TQFP (PT)	
	PIC18F85J10	R	80	66	PIC18	32 KB 16 Kw	RW	2048	–	2V–3.6V	40 MHz	31 kHz	–	15	–	15	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	2	–	–	–	BOR	✓	–	–	$2.49	TQFP (PT)	
	PIC18F84J11	R	80	70	PIC18	16 KB 8 Kw	RW	1024	–	2V–3.6V	40 MHz	8 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	2	–	–	–	–	–	1	3	1	1	1	–	–	–	BOR	SW◊	–	–	$2.52	TQFP (PT)	
	PIC18F83J90	R	80	66	PIC18	8 KB 4 Kw	RW	1024	–	2V–3.6V	40 MHz	8 MHz, 31 kHz	192	12	–	12	–	2	–	–	–	–	2	–	–	–	–	–	1	3	1	1	1	–	–	–	BOR	✓	–	–	$2.60	TQFP (PT)	Integrated LCD Driver
	PIC18F85J11	R	80	70	PIC18	32 KB 16 Kw	RW	2048	–	2V–3.6V	40 MHz	8 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	2	–	–	–	–	–	1	3	1	1	1	–	–	–	BOR	SW◊	–	–	$2.63	TQFP (PT)	
	PIC18F85J94 XLP	R	80	67	PIC18	32 KB 16 Kw	RW	4096	–	2V–3.6V	64 MHz	64 MHz	352	24	–	24	24	3	✓	–	–	✓	7	3	–	–	–	–	4	4	–	4	2	–	✓	–	BOR	–	–	✓	$2.65	TQFP (PT)	USB & LCD
	PIC18F85K22 XLP	R	80	69	PIC18	32 KB 16 Kw	RW	2048	1024	1.8V–5.5V	64 MHz	31 kHz, 500 kHz, 16 MHz		24	–	–	24	3	✓	–	–	–	5	3	–	–	–	–	4	4	–	2	2	–	–	–	BOR	✓	–	–	$2.66	TQFP (PT)	
	PIC18F84J90	R	80	66	PIC18	16 KB 8 Kw	RW	1024	–	2V–3.6V	40 MHz	8 MHz, 31 kHz	192	12	–	12	–	2	–	–	–	–	2	–	–	–	–	–	1	3	1	1	1	–	–	–	BOR	✓	–	–	$2.67	TQFP (PT)	Integrated LCD Driver
	PIC18F86J10	R	80	66	PIC18	64 KB 32 Kw	RW	2048	–	2V–3.6V	40 MHz	31 kHz	–	15	–	15	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	2	–	–	–	BOR	✓	–	–	$2.74	TQFP (PT)	
	PIC18F85J90	R	80	66	PIC18	32 KB 16 Kw	RW	2048	–	2V–3.6V	40 MHz	8 MHz, 31 kHz	192	12	–	12	–	2	–	–	–	–	2	–	–	–	–	–	1	3	1	1	1	–	–	–	BOR	✓	–	–	$2.77	TQFP (PT), LQFP (PL)	Integrated LCD Driver
	PIC18F85K90 XLP	R	80	69	PIC18	32 KB 16 Kw	RW	2048	1024	1.8V–5.5V	64 MHz	31 kHz, 500 kHz, 16 MHz	192	24	–	–	24	3	✓	–	–	–	5	3	–	–	–	–	4	4	–	2	2	–	–	–	BOR	✓	–	–	$2.80	TQFP (PT)	Integrated LCD Driver
	PIC18F85J50	R	80	65	PIC18	32 KB 16 Kw	RW	3904	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	2	–	✓	–	BOR	✓	–	–	$2.90	TQFP (PT)	
	PIC18F86J11	R	80	66	PIC18	64 KB 32 Kw	RW	3904	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	15	–	15	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	2	–	–	–	BOR	✓	–	–	$2.90	TQFP (PT)	
	PIC18F86J94 XLP	R	80	67	PIC18	64 KB 32 Kw	RW	4096	–	2V–3.6V	64 MHz	64 MHz	352	24	–	24	24	3	✓	–	–	✓	7	3	–	–	–	–	4	4	–	4	2	–	✓	–	BOR	–	–	✓	$2.95	TQFP (PT)	USB & LCD
	PIC18F86J93	R	80	67	PIC18	64 KB 32 Kw	RW	3900	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	192	12	–	–	12	2	✓	–	–	–	2	–	–	–	–	–	1	3	1	1	1	–	–	–	BOR	✓	–	–	$2.97	TQFP (PT)	Integrated LCD Driver, RTCC
	PIC18F86K22 XLP	R	80	69	PIC18	64 KB 32 Kw	RW	4096	1024	1.8V–5.5V	64 MHz	31 kHz, 500 kHz, 16 MHz		24	–	–	24	3	✓	–	–	–	7	3	–	–	–	–	6	5	–	2	2	–	–	–	BOR	✓	–	–	$2.97	TQFP (PT)	
	PIC18F87J10	R	80	66	PIC18	128 KB 64 Kw	RW	3936	–	2V–3.6V	40 MHz	31 kHz	–	15	–	15	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	2	–	–	–	BOR	✓	–	–	$3.02	TQFP (PT), LQFP (PL)	
	PIC18F86K90 XLP	R	80	69	PIC18	64 KB 32 Kw	RW	4096	1024	1.8V–5.5V	64 MHz	31 kHz, 500 kHz, 16 MHz	192	24	–	–	24	3	✓	–	–	–	7	3	–	–	–	–	6	5	–	2	2	–	–	–	BOR	✓	–	–	$3.11	TQFP (PT)	Integrated LCD Driver
	PIC18F86J50	R	80	65	PIC18	64 KB 32 Kw	RW	3904	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	2	–	✓	–	BOR	✓	–	–	$3.15	TQFP (PT)	
	PIC18F87J11	R	80	66	PIC18	128 KB 64 Kw	RW	3904	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	15	–	15	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	2	–	–	–	BOR	✓	–	–	$3.19	TQFP (PT)	
	PIC18F87J94 XLP	R	80	67	PIC18	128 KB 64 Kw	RW	4096	–	2V–3.6V	64 MHz	64 MHz	352	24	–	24	24	3	✓	–	–	✓	7	3	–	–	–	–	4	4	–	4	2	–	✓	–	BOR	–	–	✓	$3.19	TQFP (PT)	USB & LCD
	PIC18F87K22 XLP	R	80	69	PIC18	128 KB 64 Kw	RW	4096	1024	1.8V–5.5V	64 MHz	31 kHz, 500 kHz, 16 MHz		24	–	–	24	3	✓	–	–	–	7	3	–	–	–	–	6	5	–	2	2	–	–	–	BOR	✓	–	–	$3.21	TQFP (PT)	
	PIC18F87J93	R	80	67	PIC18	128 KB 64 Kw	RW	3900	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	192	12	–	–	12	2	✓	–	–	–	2	–	–	–	–	–	1	3	1	1	1	–	–	–	BOR	✓	–	–	$3.26	TQFP (PT)	Integrated LCD Driver, RTCC
	PIC18F87K90 XLP	R	80	69	PIC18	128 KB 64 Kw	RW	4096	1024	1.8V–5.5V	64 MHz	31 kHz, 500 kHz, 16 MHz	192	24	–	–	24	3	✓	–	–	–	7	3	–	–	–	–	6	5	–	2	2	–	–	–	BOR	✓	–	–	$3.35	TQFP (PT)	Integrated LCD Driver
	PIC18F87J50	R	80	65	PIC18	128 KB 64 Kw	RW	3904	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	–	12	–	12	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	2	–	✓	–	BOR	✓	–	–	$3.44	TQFP (PT)	
	PIC18F86J60	R	80	55	PIC18	64 KB 32 Kw	RW	3808	–	2V–3.6V	42 MHz	31 kHz	–	15	–	15	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	1	1	–	–	BOR	✓	–	–	$3.63	TQFP (PT)	Integrated MAC, 10 Base T PHY
	PIC18F87J60	R	80	55	PIC18	128 KB 64 Kw	RW	3808	–	2V–3.6V	42 MHz	32 kHz, 31 kHz	–	15	–	15	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	1	1	–	–	BOR	✓	–	–	$3.92	TQFP (PT)	Integrated MAC, 10 Base T PHY
	PIC18F86J72	R	80	51	PIC18	64 KB 32 Kw	RW	3923	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	132	12	–	–	12	2	✓	–	–	–	2	–	–	–	–	–	1	3	1	1	1	–	–	–	BOR	✓	–	–	$4.12	TQFP (PT)	2 × 24-bit ADC, RTCC
	PIC18F87J72	R	80	51	PIC18	128 KB 64 Kw	RW	3923	–	2V–3.6V	48 MHz	8 MHz, 31 kHz	132	12	–	–	12	2	✓	–	–	–	2	–	–	–	–	–	1	3	1	1	1	–	–	–	BOR	✓	–	–	$4.35	TQFP (PT)	2 × 24-bit ADC, RTCC
100-Pin	PIC18F95J94 XLP	R	100	85	PIC18	32 KB 16 Kw	RW	4096	–	2V–3.6V	64 MHz	64 MHz	480	24	–	24	24	3	✓	–	–	✓	7	3	–	–	–	–	4	4	–	4	2	–	✓	–	BOR	–	–	✓	$2.83	TQFP (PT/PF)	USB & LCD
	PIC18F96J94 XLP	R	100	85	PIC18	64 KB 32 Kw	RW	4096	–	2V–3.6V	64 MHz	64 MHz	480	24	–	24	24	3	✓	–	–	✓	7	3	–	–	–	–	4	4	–	4	2	–	✓	–	BOR	–	–	✓	$3.14	TQFP (PT/PF)	USB & LCD
	PIC18F97J94 XLP	R	100	85	PIC18	128 KB 64 Kw	RW	4096	–	2V–3.6V	64 MHz	64 MHz	480	24	–	24	24	3	✓	–	–	✓	7	3	–	–	–	–	4	4	–	4	2	–	✓	–	BOR	–	–	✓	$3.37	TQFP (PT/PF)	USB & LCD
	PIC18F96J60	R	100	70	PIC18	64 KB 32 Kw	RW	3808	–	2V–3.6V	42 MHz	31 kHz	–	16	–	16	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	2	1	–	–	BOR	✓	–	–	$3.84	TQFP (PT)	Integrated MAC, 10 Base T PHY
	PIC18F97J60	R	100	70	PIC18	128 KB 64 Kw	RW	3808	–	2V–3.6V	42 MHz	31 kHz	–	16	–	16	–	2	–	–	–	–	2	3	–	–	–	–	2	3	–	2	2	1	–	–	BOR	✓	–	–	$4.13	TQFP (PT), LQFP (PL)	Integrated MAC, 10 Base T PHY

Products sorted by pin count followed by pricing.
† Pricing subject to change; please contact your Microchip representative for most current pricing.
◊ Software PLVD implemented via ADC.
* Integrated Temperature Indicator: Reference Application Note AN1333 for implementation.
XLP eXtreme Low Power variants available.

16-BIT PIC® MICROCONTROLLERS (PIC24F)

	Product	Released (R) Not Released (NR)	I/O Pins	Core	Memory				Voltage Range	Operating Speed		Analog Sensing & Measurement				LCD Segments	Graphics Controller	Output Compare/PWM	Input Capture	16-bit Timer[2]	Communication		PMP	RTCC/CRC	PPS	5 ku Pricing†	Monitors	Packages (Designator)
					Program (KB)	Data RAM (B)	EEPROM	DMA #Ch		Maximum MIPS	Internal Oscillator	Charge Time Measurement Unit	10-bit ADC	10/12-bit ADC 1100/500 KSPS	Comparators						Digital Communication	USB 2.0 (Peripheral, Host, OTC)					System Mgmt. Features	
14-Pin	PIC24F04KL100 XLP	R	12	PIC24	4	512	AN1095[1]	–	1.8V–3.6V	16	8 MHz, 32 kHz	–	–	–	1	–	–	2	2	2	1 UART, 1 SPI/I²C™ (MSSP)	–	–	–	–	$1.06	BOR, HLVD, POR, PWRT, WDT, XLP	PDIP (P), TSSOP (ST)
	PIC24F04KA200 XLP	R	12	PIC24	4	512	AN1095[1]	–	1.8V3.6V	16	8 MHz, 32 kHz	✓	7	–	2	–	–	1	1	3	1 UART, 1 SPI, 1 I²C	–	–	–	–	$1.16	BOR, POR, WDT, Deep Sleep, XLP	SPDIP (SP), TSSOP (ST)
	PIC24F08KL200 XLP	R	12	PIC24	8	512	AN1095[1]	–	1.8V–3.6V	16	8 MHz, 32 kHz	–	7	–	1	–	–	2	2	2	1 UART, 1 SPI/I²C (MSSP)	–	–	–	–	$1.25	BOR, HLVD, POR, PWRT, WDT, XLP	PDIP (P), TSSOP (ST)
20-Pin	PIC24F08KM101 XLP	NR	18	PIC24	8	1024	512	–	1.8V–5.5V	16	8 MHz, 32KHz	✓	–	16	1	–	–	5	5	11	1 UART, 1 SPI/I²C (MSSP)	–	–	✓	–	$1.08	BOR, HLVD, POR,WDT, OST, XLP	PDIP (P), SOIC (SO)
	PIC24F04KL101 XLP	R	17	PIC24	4	512	AN1095[1]	–	1.8V–3.6V	16	8 MHz, 32 kHz	–	–	–	1	–	–	2	2	2	1 UART, 1 SPI/I²C (MSSP)	–	–	–	–	$1.15	BOR, HLVD, POR, PWRT, WDT, XLP	PDIP (P), SOIC (SO), SSOP (SS), 5 × 5 QFN (MQ)
	PIC24F04KA201 XLP	R	18	PIC24	4	512	AN1095[1]	–	1.8V–3.6V	16	8 MHz, 32 kHz	✓	9	–	2	–	–	1	1	3	1 UART, 1 SPI, 1 I²C	–	–	–	–	$1.25	BOR, POR, WDT, Deep Sleep, XLP	PDIP (P), SOIC (SO), SSOP (SS), QFN (MQL)
	PIC24F08KL201 XLP	R	17	PIC24	8	512	AN1095[1]	–	1.8V–3.6V	16	8 MHz, 32 kHz	–	12	–	1	–	–	2	2	2	1 UART, 1 SPI/I²C (MSSP)	–	–	–	–	$1.30	BOR, HLVD, POR, PWRT, WDT, XLP	PDIP (P), SOIC (SO), SSOP (SS), 5 × 5 QFN (MQ)
	PIC24F08KL301 XLP	R	18	PIC24	8	1024	256	–	1.8V–3.6V	16	8 MHz, 32 kHz	–	–	–	2	–	–	6	3	2	2 UART, 2 SPI/I²C (MSSP)	–	–	–	–	$1.27	BOR, HLVD, POR, PWRT, WDT, XLP	PDIP (P), SOIC (SO), SSOP (SS), 5 × 5 QFN (MQ)
	PIC24F08KL401 XLP	R	18	PIC24	8	1024	512	–	1.8V–3.6V	16	8 MHz, 32 kHz	–	12	–	2	–	–	6	3	2	2 UART, 2 SPI/I²C (MSSP)	–	–	–	–	$1.36	BOR, HLVD, POR, PWRT, WDT, XLP	PDIP (P), SOIC (SO), SSOP (SS), 5 × 5 QFN (MQ)
	PIC24F16KL401 XLP	R	18	PIC24	16	1024	512	–	1.8V–3.6V	16	8 MHz, 32 kHz	–	12	–	2	–	–	6	3	2	2 UART, 2 SPI/I²C (MSSP)	–	–	–	–	$1.43	BOR, HLVD, POR, PWRT, WDT, XLP	PDIP (P), SOIC (SO), SSOP (SS), 5 × 5 QFN (MQ)
	PIC24F08KA101 XLP	R	18	PIC24	8	1536	512	–	1.8V–3.6V	16	8 MHz, 32 kHz	✓	9	–	2	–	–	1	1	3	2 UART, 1 SPI, 1 I²C	–	–	✓	–	$1.44	BOR, POR, WDT, Deep Sleep, XLP	PDIP (P), SOIC (SO), SSOP (SS), QFN (MQL)
	PIC24F16KA101 XLP	R	18	PIC24	16	1536	512	–	1.8V–3.6V	16	8 MHz, 32 kHz	✓	9	–	2	–	–	1	1	3	2 UART, 1 SPI, 1 I²C	–	–	✓	–	$1.51	BOR, POR, WDT, Deep Sleep, XLP	PDIP (P), SOIC (SO), SSOP (SS), QFN (MQL)
	PIC24FJ32MC101	R	15	PIC24	32	2048	AN1095[1]	–	3V–3.6V	16	7.37 MHz, 32 kHz	✓	6	–	3	–	–	8	3	5	1 UART, 1 SPI, 1 I²C	–	–	✓	✓	$1.68	BOR, POR, WDT	PDIP (P), SOIC (SO), SSOP (SS), QFN (MQL)
	PIC24FJ16MC101	R	15	PIC24	16	1024	AN1095[1]	–	3V–3.6V	16	7.37 MHz, 32 kHz	✓	4	–	3	–	–	8	3	3	1 UART, 1 SPI, 1 I²C	–	–	✓	✓	$1.73	BOR, POR, WDT	PDIP (P), SOIC (SO), SSOP (SS), QFN (MQL)
	PIC24F16KA301 XLP	R	18	PIC24	16	2048	512	–	1.8V–5.5V	16	8 MHz, 32 kHz	✓	–	9	3	–	–	3	3	5	2 UART, 2 SPI, 2 I²C	–	–	✓	–	$1.86	PWRT, HLVD, POR, OST, WDT	SPDIP (SP), SSOP (SS), SOIC (SO)
	PIC24F32KA301 XLP	R	18	PIC24	32	2048	512	–	1.8V–5.5V	16	8 MHz, 32 kHz	✓	–	9	3	–	–	3	3	5	2 UART, 2 SPI, 2 I²C	–	–	✓	–	$2.00	PWRT, HLVD, POR, OST, WDT	SPDIP (SP), SSOP (SS), SOIC (SO)
28-Pin	PIC24F08KL302 XLP	R	24	PIC24	8	1024	256	–	1.8V–3.6V	16	8 MHz, 32 kHz	–	–	–	2	–	–	6	3	2	2 UART, 2 SPI/I²C (MSSP)	–	–	–	–	$1.32	BOR, HLVD, POR, PWRT, WDT, XLP	SPDIP (SP), SOIC (SO), SSOP (SS), 5 × 5 QFN (MQ), 6 × 6 QFN (ML)
	PIC24F08KL402 XLP	R	24	PIC24	8	1024	512	–	1.8V–3.6V	16	8 MHz, 32 kHz	–	12	–	2	–	–	6	3	2	2 UART, 2 SPI/I²C (MSSP)	–	–	–	–	$1.40	BOR, HLVD, POR, PWRT, WDT, XLP	SPDIP (SP), SOIC (SO), SSOP (SS), 5 × 5 QFN (MQ), 6 × 6 QFN (ML)
	PIC24F16KL402 XLP	R	24	PIC24	16	1024	512	–	1.8V–3.6V	16	8 MHz, 32 kHz	–	12	–	2	–	–	6	3	2	2 UART, 2 SPI/I²C (MSSP)	–	–	–	–	$1.47	BOR, HLVD, POR, PWRT, WDT, XLP	SPDIP (SP), SOIC (SO), SSOP (SS), 5 × 5 QFN (MQ), 6 × 6 QFN (ML)
	PIC24F08KA102 XLP	R	24	PIC24	8	1536	512	–	1.8V–3.6V	16	8 MHz, 32 kHz	✓	9	–	2	–	–	1	1	3	2 UART, 1 SPI, 1 I²C	–	–	✓	–	$1.51	BOR, POR, WDT, Deep Sleep, XLP	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML)
	PIC24F16KA102 XLP	R	24	PIC24	16	1536	512	–	1.8V–3.6V	16	8 MHz, 32 kHz	✓	9	–	2	–	–	1	1	3	2 UART, 1 SPI, 1 I²C	–	–	✓	–	$1.58	BOR, POR, WDT, Deep Sleep, XLP	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML)
	PIC24FJ16MC102	R	21	PIC24	16	1024	AN1095[1]	–	3V–3.6V	16	7.37 MHz, 32 kHz	✓	6	–	3	–	–	8	3	3	1 UART, 1 SPI, 1 I²C	–	–	✓	✓	$1.68	BOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML) TLA (TL)
	PIC24FJ16MC101	R	15	PIC24	16	1024	AN1095[1]	–	3V–3.6V	16	7.37 MHz, 32 kHz	✓	4	–	3	–	–	8	3	3	1 UART, 1 SPI, 1 I²C	–	–	✓	✓	$1.73	BOR, POR, WDT	PDIP (P), SOIC (SO), SSOP (SS), QFN (MQL)
	PIC32FJ32MC102	R	21	PIC24	32	2048	AN1095[1]	–	3V–3.6V	16	7.37 MHz, 32 kHz	✓	8	–	3	–	–	8	3	5	1 UART, 1 SPI, 1 I²C	–	–	✓	✓	$1.73	BOR, POR, WDT	PDIP (P), SOIC (SO), SSOP (SS), QFN (MQL), VTLA (TL)
	PIC24FJ16GA002	R	21	PIC24	16	4096	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	–	10	–	2	–	–	5	5	5	2 UART, 2 SPI, 2 I²C	–	✓	✓	✓	$1.74	BOR, LVD, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML)
	PIC24F08KM102 XLP	NR	24	PIC24	8	1024	512	–	1.8V–5.5V	16	8 MHz, 32 kHz	✓	–	19	1	–	–	5	5	11	1 UART, 1 SPI/I²C (MSSP)	–	–	✓	–	$1.75	BOR, HLVD, POR,WDT, OST, XLP	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MQL)
	PIC24F16KM102 XLP	NR	24	PIC24	16	1024	512	–	1.8V–5.5V	16	8 MHz, 32 kHz	✓	–	19	1	–	–	5	5	11	1 UART, 1 SPI/I²C (MSSP)	–	–	✓	–	$1.82	BOR, HLVD, POR,WDT, OST, XLP	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MQL)
	PIC24F08KM202 XLP	NR	24	PIC24	8	2048	512	–	1.8V–5.5V	16	8 MHz, 32 kHz	✓	–	19	3	–	–	5	5	11	2 UART, 2 SPI/I²C (MSSP)	–	–	✓	–	$1.82	BOR, HLVD, POR,WDT, OST, XLP	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MQL)
	PIC24F16KM202 XLP	NR	24	PIC24	16	2048	512	–	1.8V–5.5V	16	8 MHz, 32 kHz	✓	–	19	3	–	–	5	5	11	2 UART, 2 SPI/I²C (MSSP)	–	–	✓	–	$1.89	BOR, HLVD, POR,WDT, OST, XLP	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MQL)
	PIC24FJ32GA002	R	21	PIC24	32	8192	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	–	10	–	2	–	–	5	5	5	2 UART, 2 SPI, 2 I²C	–	✓	✓	✓	$2.06	BOR, LVD, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML)
	PIC24F16KA302 XLP	R	24	PIC24	16	2048	512	–	1.8V–5.5V	16	8 MHz, 32 kHz	✓	–	10	3	–	–	3	3	5	2 UART, 2 SPI, 2 I²C	–	–	✓	–	$2.06	PWRT, HLVD, POR, OST, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML)
	PIC24F32KA302 XLP	R	24	PIC24	32	2048	512	–	1.8V–5.5V	16	8 MHz, 32 kHz	✓	–	10	3	–	–	3	3	5	2 UART, 2 SPI, 2 I²C	–	–	✓	–	$2.20	PWRT, HLVD, POR, OST, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML)
	PIC24FJ32GA102 XLP	R	21	PIC24	32	8192	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	10	–	3	–	–	5	5	5	2 UART, 2 SPI, 2 I²C	–	✓	✓	✓	$2.23	BOR, LVD, POR, WDT, Deep Sleep, XLP	SPDIP (SP), SOIC (SO), QFN (ML)
	PIC24FJ32GB002 XLP	R	19	PIC24	32	8192	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	9	–	3	–	–	5	5	5	2 UART, 2 SPI, 2 I²C	✓	✓	✓	✓	$2.44	BOR, LVD, POR, WDT, Deep Sleep, XLP	SPDIP (SP), SOIC (SO), QFN (ML)
	PIC24FJ64GA002	R	21	PIC24	64	8192	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	–	10	–	2	–	–	5	5	5	2 UART, 2 SPI, 2 I²C	–	✓	✓	✓	$2.48	BOR, LVD, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (ML)
	PIC24FJ64GA102 XLP	R	21	PIC24	64	8192	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	10	–	3	–	–	5	5	5	2 UART, 2 SPI, 2 I²C	–	✓	✓	✓	$2.65	BOR, LVD, POR, WDT, Deep Sleep, XLP	SPDIP (SP), SOIC (SO), QFN (ML)
	PIC24FJ64GB002 XLP	R	19	PIC24	64	8192	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	9	–	3	–	–	5	5	5	2 UART, 2 SPI, 2 I²C	✓	✓	✓	✓	$2.86	BOR, LVD, POR, WDT, Deep Sleep, XLP	SPDIP (SP), SOIC (SO), QFN (ML)

* Parts available with High Temperature Options (150°C).

Note 1: See Application Note "AN1095: Emulating Data EEPROM".

2: Two 16-bit timers can be concatenated to form a 32-bit timer.

Products sorted by pin count followed by pricing.

† Pricing subject to change; please contact your Microchip representative for most current pricing.

16-BIT PIC® MICROCONTROLLERS (PIC24F)

	Product	Released (R) Not Released (NR)	I/O Pins	Core	Memory				Voltage Range	Operating Speed		Analog Sensing & Measurement				LCD Segments	Graphics Controller	Output Compare/PWM	Input Capture	16-bit Timer[2]	Communication		PMP	RTCC/CRC	PPS	5 ku Pricing†	Monitors	Packages (Designator)
					Program (KB)	Data RAM (B)	EEPROM	DMA #Ch		Maximum MIPS	Internal Oscillator	Charge Time Measurement Unit	10-bit ADC	10/12-bit ADC 1100/500 KSPS	Comparators						Digital Communication	USB 2.0 (Peripheral, Host, OTC)					System Mgmt. Features	
44-Pin	PIC24FJ16GA004	R	35	PIC24	16	4096	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	–	13	–	2	–	–	5	5	5	2 UART, 2 SPI, 2 I²C™	–	✓	✓	✓	$1.93	BOR, LVD, POR, WDT	TQFP (PT), QFN (ML)
	PIC24FJ32MC104	R	35	PIC24	32	2048	AN1095[1]	–	3V–3.6V	16	7.37 MHz, 32 kHz	✓	14	–	3	–	–	8	3	5	1 UART, 1 SPI, 1 I²C	–	–	✓	✓	$2.02	BOR POR, WDT	TQFP (PT), TLA, QFN (ML)
	PIC24F16KM104 XLP	NR	38	PIC24	16	1024	512	–	1.8V–5.5V	16	8 MHz, 32 KHz	✓	–	22	1	–	–	5	5	11	1 UART, 1 SPI/I²C (MSSP)	–	–	✓	–	$2.06	BOR, HLVD, POR,WDT, OST, XLP	TQFP, QFN, UQFN
	PIC24F08KM204 XLP	NR	38	PIC24	8	2048	512	–	1.8V–5.5V	16	8 MHz, 32 KHz	✓	–	22	3	–	–	5	5	11	2 UART, 2 SPI/I²C (MSSP)	–	–	✓	–	$2.06	BOR, HLVD, POR,WDT, OST, XLP	TQFP, QFN, UQFN
	PIC24F16KM204 XLP	NR	38	PIC24	16	2048	512	–	1.8V–5.5V	16	8 MHz, 32 KHz	✓	–	22	3	–	–	5	5	11	2 UART, 2 SPI/I²C (MSSP)	–	–	✓	–	$2.13	BOR, HLVD, POR,WDT, OST, XLP	TQFP, QFN, UQFN
	PIC24FJ32GA004	R	35	PIC24	32	8192	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	–	13	–	2	–	–	5	5	5	2 UART, 2 SPI, 2 I²C	–	✓	✓	✓	$2.30	BOR, LVD, POR, WDT	TQFP (PT), QFN (ML)
	PIC24F16KA304 XLP	R	38	PIC24	16	2048	512	–	1.8V–5.5V	16	8 MHz, 32 kHz	✓	–	16	3	–	–	3	3	5	2 UART, 2 SPI, 2 I²C	–	–	✓	–	$2.30	PWRT, HLVD, POR, OST, WDT	TQFP (PT), QFN (ML), UQFN (MV)
	PIC24FJ32GA104 XLP	R	35	PIC24	32	8192	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	13	–	3	–	–	5	5	5	2 UART, 2 SPI, 2 I²C	–	✓	✓	✓	$2.44	BOR, LVD, POR, WDT, Deep Sleep, XLP	TQFP (PT), QFN (ML)
	PIC24F32KA304 XLP	R	38	PIC24	32	2048	512	–	1.8V–5.5V	16	8 MHz, 32 kHz	✓	–	16	3	–	–	3	3	5	2 UART, 2 SPI, 2 I²C	–	–	✓	–	$2.44	PWRT, HLVD, POR, OST, WDT	TQFP (PT), QFN (ML), UQFN (MV)
	PIC24FJ32GB004 XLP	R	33	PIC24	32	8192	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	13	–	3	–	–	5	5	5	2 UART, 2 SPI, 2 I²C	✓	✓	✓	✓	$2.65	BOR, LVD, POR, WDT, Deep Sleep, XLP	TQFP (PT), QFN (ML)
	PIC24FJ64GA004	R	35	PIC24	64	8192	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	–	13	–	2	–	–	5	5	5	2 UART, 2 SPI, 2 I²C	–	✓	✓	✓	$2.72	BOR, LVD, POR, WDT	TQFP (PT), QFN (ML)
	PIC24FJ64GA104 XLP	R	35	PIC24	64	8192	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	13	–	3	–	–	5	5	5	2 UART, 2 SPI, 2 I2C	–	✓	✓	✓	$2.86	BOR, LVD, POR, WDT, Deep Sleep, XLP	TQFP (PT), QFN (ML)
	PIC24FJ64GB004 XLP	R	33	PIC24	64	8192	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	13	–	3	–	–	5	5	5	2 UART, 2 SPI, 2 I²C	✓	✓	✓	✓	$3.07	BOR, LVD, POR, WDT, Deep Sleep, XLP	TQFP (PT), QFN (ML)
64-Pin	PIC24FJ64GA306 XLP	R	53	PIC24	64	8192	AN1095[1]	6	2V–3.6V	16	8 MHz, 32 kHz	✓	–	16	3	240	–	7	7	5	4 UART, 2 SPI, 2 I²C	–	✓	✓	✓	$2.77	BOR, LVD, POR, WDT, XLP, Deep Sleep	TQFP (PT), QFN (MR)
	PIC24FJ128GA306 XLP	R	53	PIC24	128	8192	AN1095[1]	6	2V–3.6V	16	8 MHz, 32 kHz	✓	–	16	3	240	–	7	7	5	4 UART, 2 SPI, 2 I²C	–	✓	✓	✓	$3.00	BOR, LVD, POR, WDT, XLP, Deep Sleep	TQFP (PT), QFN (MR)
	PIC24FJ64GA006	R	53	PIC24	64	8192	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	–	16	–	2	–	–	5	5	5	2 UART, 2 SPI, 2 I²C	–	✓	✓	–	$3.05	BOR, POR, WDT	TQFP (PT)
	PIC24FJ64GA106	R	53	PIC24	64	16384	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	–	✓	✓	✓	$3.32	BOR, LVD, POR, WDT	TQFP (PT), QFN (MR)
	PIC24FJ128GA006	R	53	PIC24	128	8192	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	–	16	–	2	–	–	5	5	5	2 UART, 2 SPI, 2 I²C	–	✓	✓	–	$3.35	BOR, POR, WDT	TQFP (PT)
	PIC24FJ128GA106	R	53	PIC24	128	16384	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	–	✓	✓	✓	$3.56	BOR, LVD, POR, WDT	TQFP (PT), QFN (MR)
	PIC24FJ64GB106	R	52	PIC24	64	16384	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	✓	✓	✓	✓	$3.64	BOR, LVD, POR, WDT	TQFP (PT), QFN (MR)
	PIC24FJ128GB106	R	52	PIC24	128	16384	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	✓	✓	✓	✓	$3.93	BOR, LVD, POR, WDT	TQFP (PT), QFN (MR)
	PIC24FJ256GA106	R	53	PIC24	256	16384	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	–	✓	✓	✓	$3.98	BOR, LVD, POR, WDT	TQFP (PT), QFN (MR)
	PIC24FJ128GB206	R	52	PIC24	128	98304	AN1095[1]	–	2.2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	✓	✓	✓	✓	$4.30	BOR, LVD, POR, WDT	TQFP (PT), QFN (MR)
	PIC24FJ128DA106	R	52	PIC24	128	24576	AN1095[1]	–	2.2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	✓	9	9	5	4 UART, 3 SPI, 3 I²C	✓	–	✓	✓	$4.34	BOR, LVD, POR, WDT	TQFP (PT), QFN (MR)
	PIC24FJ256GB106	R	52	PIC24	256	16384	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	✓	✓	✓	✓	$4.35	BOR, LVD, POR, WDT	TQFP (PT), QFN (MR)
	PIC24FJ256GB206	R	52	PIC24	256	98304	AN1095[1]	–	2.2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	✓	✓	✓	✓	$4.65	BOR, LVD, POR, WDT	TQFP (PT), QFN (MR)
	PIC24FJ256DA106	R	52	PIC24	256	24576	AN1095[1]	–	2.2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	✓	9	9	5	4 UART, 3 SPI, 3 I²C	✓	–	✓	✓	$4.69	BOR, LVD, POR, WDT	TQFP (PT), QFN (MR)
	PIC24FJ128DA206	R	52	PIC24	128	98304	AN1095[1]	–	2.2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	✓	9	9	5	4 UART, 3 SPI, 3 I²C	✓	–	✓	✓	$4.76	BOR, LVD, POR, WDT	TQFP (PT), QFN (MR)
	PIC24FJ256DA206	R	52	PIC24	256	98304	AN1095[1]	–	2.2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	✓	9	9	5	4 UART, 3 SPI, 3 I²C	✓	–	✓	✓	$5.11	BOR, LVD, POR, WDT	TQFP (PT), QFN (MR)
80-Pin	PIC24FJ64GA308 XLP	R	69	PIC24	64	8192	AN1095[1]	6	2V–3.6V	16	8 MHz, 32 kHz	✓	–	16	3	368	–	7	7	5	4 UART, 2 SPI, 2 I²C	–	✓	✓	✓	$2.98	BOR, LVD, POR, WDT, XLP, Deep Sleep	TQFP (PT)
	PIC24FJ128GA308 XLP	R	69	PIC24	128	8192	AN1095[1]	6	2V–3.6V	16	8 MHz, 32 kHz	✓	–	16	3	368	–	7	7	5	4 UART, 2 SPI, 2 I²C	–	✓	✓	✓	$3.23	BOR, LVD, POR, WDT, XLP, Deep Sleep	TQFP (PT)
	PIC24FJ64GA008	R	69	PIC24	64	8192	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	–	16	–	2	–	–	5	5	5	2 UART, 2 SPI, 2 I²C	–	✓	✓	–	$3.30	BOR, POR, WDT	TQFP (PT)
	PIC24FJ64GA108	R	69	PIC24	64	16384	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	–	✓	✓	✓	$3.58	BOR, LVD, POR, WDT	TQFP (PT)
	PIC24FJ128GA008	R	69	PIC24	128	8192	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	–	16	–	2	–	–	5	5	5	2 UART, 2 SPI, 2 I²C	–	✓	✓	–	$3.60	BOR, POR, WDT	TQFP (PT)
	PIC24FJ128GA108	R	69	PIC24	128	16384	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	–	✓	✓	✓	$3.82	BOR, LVD, POR, WDT	TQFP (PT)
	PIC24FJ64GB108	R	68	PIC24	64	16384	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	✓	✓	✓	✓	$3.91	BOR, LVD, POR, WDT	TQFP (PT)

* Parts available with High Temperature Options (150°C).

Note 1: See Application Note "AN1095: Emulating Data EEPROM".

2: Two 16-bit timers can be concatenated to form a 32-bit timer.

Products sorted by pin count followed by pricing.

† Pricing subject to change; please contact your Microchip representative for most current pricing.

16-BIT PIC® MICROCONTROLLERS (PIC24F)

	Product	Released (R) Not Released (NR)	I/O Pins	Core	Memory				Voltage Range	Operating Speed		Analog Sensing & Measurement				LCD Segments	Graphics Controller	Output Compare/PWM	Input Capture	16-bit Timer[2]	Communication		PMP	RTCC/CRC	PPS	5 ku Pricing†	Monitors	Packages (Designator)
					Program (KB)	Data RAM (B)	EEPROM	DMA #Ch		Maximum MIPS	Internal Oscillator	Charge Time Measurement Unit	10-bit ADC	10/12-bit ADC 1100/500 KSPS	Comparators						Digital Communication	USB 2.0 (Peripheral, Host, OTC)					System Mgmt. Features	
80-Pin (Cont.)	PIC24FJ128GB108	R	68	PIC24	128	16384	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C™	✓	✓	✓	✓	$4.20	BOR, LVD, POR, WDT	TQFP (PT)
	PIC24FJ256GA108	R	69	PIC24	256	16384	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	–	✓	✓	✓	$4.24	BOR, LVD, POR, WDT	TQFP (PT)
	PIC24FJ256GB108	R	68	PIC24	256	16384	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	✓	✓	✓	✓	$4.62	BOR, LVD, POR, WDT	TQFP (PT)
100-Pin	PIC24FJ64GA310 XLP	R	85	PIC24	64	8192	AN1095[1]	6	2V–3.6V	16	8 MHz, 32 kHz	✓	–	24	3	480	–	7	7	5	4 UART, 2 SPI, 2 I²C	–	✓	✓	✓	$3.16	BOR, LVD, POR, WDT, Deep Sleep	TQFP (PT), BGA121 (BG)
	PIC24FJ128GA310 XLP	R	85	PIC24	128	8192	AN1095[1]	6	2V–3.6V	16	8 MHz, 32 kHz	✓	–	24	3	480	–	7	7	5	4 UART, 2 SPI, 2 I²C	–	✓	✓	✓	$3.42	BOR, LVD, POR, WDT, Deep Sleep	TQFP (PT), BGA121 (BG)
	PIC24FJ64GA010	R	85	PIC24	64	8192	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	–	16	–	2	–	–	5	5	5	2 UART, 2 SPI, 2 I²C	–	✓	✓	–	$3.51	BOR, POR, WDT	TQFP (PT)
	PIC24FJ64GA110	R	85	PIC24	64	16384	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	–	✓	✓	✓	$3.79	BOR, LVD, POR, WDT	TQFP (PT), BGA121 (BG)
	PIC24FJ128GA010	R	85	PIC24	128	8192	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	–	16	–	2	–	–	5	5	5	2 UART, 2 SPI, 2 I²C	–	✓	✓	–	$3.81	BOR, POR, WDT	TQFP (PT)
	PIC24FJ128GA110	R	85	PIC24	128	16384	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	–	✓	✓	✓	$4.03	BOR, LVD, POR, WDT	TQFP (PT), BGA121 (BG)
	PIC24FJ64GB110	R	84	PIC24	64	16384	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	✓	✓	✓	✓	$4.12	BOR, LVD, POR, WDT	TQFP (PT), BGA121 (BG)
	PIC24FJ128GB110	R	84	PIC24	128	16384	AN1095[1]	–	2V–3.6V	16	16 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	✓	✓	✓	✓	$4.41	BOR, LVD, POR, WDT	TQFP (PT), BGA121 (BG)
	PIC24FJ256GA110	R	85	PIC24	256	16384	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	–	✓	✓	✓	$4.45	BOR, LVD, POR, WDT	TQFP (PT), BGA121 (BG)
	PIC24FJ128GB210	R	84	PIC24	128	98304	AN1095[1]	–	2.2V–3.6V	16	8 MHz, 32 kHz	✓	24	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	✓	✓	✓	✓	$4.79	BOR, LVD, POR, WDT	TQFP (PT), BGA121 (BG)
	PIC24FJ128DA110	R	84	PIC24	128	24576	AN1095[1]	–	2.2V–3.6V	16	8 MHz, 32 kHz	✓	24	–	3	–	✓	9	9	5	4 UART, 3 SPI, 3 I²C	✓	✓	✓	✓	$4.83	BOR, LVD, POR, WDT	TQFP (PT), BGA121 (BG)
	PIC24FJ256GB110	R	84	PIC24	256	16384	AN1095[1]	–	2V–3.6V	16	8 MHz, 32 kHz	✓	16	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	✓	✓	✓	✓	$4.83	BOR, LVD, POR, WDT	TQFP (PT), BGA121 (BG)
	PIC24FJ256GB210	R	84	PIC24	256	98304	AN1095[1]	–	2.2V–3.6V	16	8 MHz, 32 kHz	✓	24	–	3	–	–	9	9	5	4 UART, 3 SPI, 3 I²C	✓	✓	✓	✓	$5.14	BOR, LVD, POR, WDT	TQFP (PT), BGA121 (BG)
	PIC24FJ256DA110	R	84	PIC24	256	24576	AN1095[1]	–	2.2V–3.6V	16	8 MHz, 32 kHz	✓	24	–	3	–	✓	9	9	5	4 UART, 3 SPI, 3 I²C	✓	✓	✓	✓	$5.18	BOR, LVD, POR, WDT	TQFP (PT), BGA121 (BG)
	PIC24FJ128DA210	R	84	PIC24	128	98304	AN1095[1]	–	2.2V–3.6V	16	8 MHz, 32 kHz	✓	24	–	3	–	✓	9	9	5	4 UART, 3 SPI, 3 I²C	✓	✓	✓	✓	$5.25	BOR, LVD, POR, WDT	TQFP (PT), BGA121 (BG)
	PIC24FJ256DA210	R	84	PIC24	256	98304	AN1095[1]	–	2.2V–3.6V	16	8 MHz, 32 kHz	✓	24	–	3	–	✓	9	9	5	4 UART, 3 SPI, 3 I²C	✓	✓	✓	✓	$5.60	BOR, LVD, POR, WDT	TQFP (PT), BGA121 (BG)

* Parts available with High Temperature Options (150°C).
Note 1: See Application Note "AN1095: Emulating Data EEPROM".
2: Two 16-bit timers can be concatenated to form a 32-bit timer.

16-BIT PIC® MICROCONTROLLERS (PIC24H/E)

	Product	Released (R) Not Released (NR)	I/O Pins	Core	Memory				Voltage Range	Operating Speed		Analog Sensing & Measurement					Output Compare/PWM	Motor Control PWM Ch.	QEI	Input Capture	16-bit Timer[2]	Communication			PMP	RTCC/CRC	PPS	5 ku Pricing†	Monitors	Packages (Designator)
					Program (KB)	Data RAM (B)	EEPROM	DMA #Ch		Maximum MIPS	Internal Oscillator	Charge Time Measurement Unit	10-bit ADC	10/12-bit ADC 1100/500 KSPS	Comparators	Op Amps						Digital Communication	CAN	FS USB OTG					System Mgmt. Features	
18-Pin	PIC24HJ12GP201	R	13	PIC24	12	1	AN1095[1]	–	3V–3.6V	40	7.37 MHz, 32 KHz	–	–	6 ch	–	–	2	–	–	4	3	1 UART, 1 SPI, 1 I²C™	–	–	–	–	✓	$2.09	PBOR, POR, WDT	PDIP (P), SOIC(SO)
28-Pin	PIC24EP32MC202	R	21	PIC24	32	4	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	6 ch	1 +2*	2	10	6	1	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$1.89	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM)
	PIC24EP32GP202	R	21	PIC24	32	4	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	6 ch	1 +2*	2	4	–	–	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$1.89	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM)
	PIC24EP64MC202	R	21	PIC24	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	6 ch	1 +2*	2	10	6	1	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$2.45	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM)
	PIC24EP64GP202	R	21	PIC24	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	6 ch	1 +2*	2	4	–	–	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$2.45	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM)
	PIC24EP128MC202	R	21	PIC24	128	16	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	6 ch	1 +2*	2	10	6	1	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$2.66	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM)
	PIC24EP128GP202	R	21	PIC24	128	16	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	6 ch	1 +2*	2	4	–	–	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$2.66	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM)

* Parts available with High Temperature Options (150°C).
† Op amp configured as comparator.
Note 1: See Application Note "AN1095: Emulating Data EEPROM".
2: Two 16-bit timers can be concatenated to form a 32-bit timer.

Products sorted by pin count followed by pricing.
† Pricing subject to change; please contact your Microchip representative for most current pricing.

16-BIT PIC® MICROCONTROLLERS (PIC24H/E)

	Product	Released (R) Not Released (NR)	I/O Pins	Core	Memory				Voltage Range	Operating Speed		Analog Sensing & Measurement					Output Compare/PWM	Motor Control PWM Ch.	QEI	Input Capture	16-bit Timer[2]	Communication			PMP	RTCC/CRC	PPS	5 ku Pricing†	Monitors	Packages (Designator)
					Program (KB)	Data RAM (B)	EEPROM	DMA #Ch		Maximum MIPS	Internal Oscillator	Charge Time Measurement Unit	10-bit ADC	10/12-bit ADC 1100/500 KSPS	Comparators	Op Amps						Digital Communication	CAN	FS USB OTG					System Mgmt. Features	
28-Pin (Cont.)	PIC24EP256MC202	R	21	PIC24	256	32	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	6 ch	1 +2*	2	10	6	1	4	5	2 UART, 2 SPI, 1 I²C™	–	–	–	✓	✓	$3.14	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM)
	PIC24EP256GP202	R	21	PIC24	256	32	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	6 ch	1 +2*	2	4	–	–	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$3.14	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM)
	PIC24EP512MC202	NR	21	PIC24	512	48	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	6 ch	1 +2*	2	10	6	1	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$3.50	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM)
	PIC24EP512GP202	NR	21	PIC24	512	48	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	6 ch	1 +2*	2	4	–	–	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$3.50	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM)
36-Pin	PIC24EP64MC203	R	25	PIC24	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	8 ch	1 +2*	3	10	6	1	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$2.52	PBOR, POR, WDT	VTLA (TL)
	PIC24EP64GP203	R	25	PIC24	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	8 ch	1 +2*	3	4	–	–	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$2.52	PBOR, POR, WDT	VTLA (TL)
	PIC24EP32MC203	R	25	PIC24	32	4	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	8 ch	1 +2*	3	10	6	1	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$1.96	PBOR, POR, WDT	VTLA (TL)
	PIC24EP32GP203	R	25	PIC24	32	4	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	8 ch	1 +2*	3	4	–	–	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$1.96	PBOR, POR, WDT	VTLA (TL)
44-Pin	PIC24EP32MC204	R	35	PIC24	32	4	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	9 ch	1 +3*	3	10	6	1	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$2.03	PBOR, POR, WDT	VTLA(TL), QFN(ML), TQFP(PT)
	PIC24EP32GP204	R	35	PIC24	32	4	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	9 ch	1 +3*	3	4	–	–	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$2.03	PBOR, POR, WDT	VTLA(TL), QFN(ML), TQFP(PT)
	PIC24EP64MC204	R	35	PIC24	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	9 ch	1 +3*	3	10	6	1	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$2.59	PBOR, POR, WDT	VTLA(TL), QFN(ML), TQFP(PT)
	PIC24EP64GP204	R	35	PIC24	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	9 ch	1 +3*	3	4	–	–	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$2.59	PBOR, POR, WDT	VTLA(TL), QFN(ML), TQFP(PT)
	PIC24EP128MC204	R	35	PIC24	128	16	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	9 ch	1 +3*	3	10	6	1	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$2.80	PBOR, POR, WDT	VTLA(TL), QFN(ML), TQFP(PT)
	PIC24EP128GP204	R	35	PIC24	128	16	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	9 ch	1 +3*	3	4	–	–	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$2.80	PBOR, POR, WDT	VTLA(TL), QFN(ML), TQFP(PT)
	PIC24EP256MC204	R	35	PIC24	256	32	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	9 ch	1 +3*	3	10	6	1	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$3.28	PBOR, POR, WDT	VTLA(TL), QFN(ML), TQFP(PT)
	PIC24EP256GP204	R	35	PIC24	256	32	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	9 ch	1 +3*	3	4	–	–	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$3.28	PBOR, POR, WDT	VTLA(TL), QFN(ML), TQFP(PT)
	PIC24EP512MC204	NR	35	PIC24	512	48	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	9 ch	1 +3*	3	10	6	1	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$3.64	PBOR, POR, WDT	QFN(ML), TQFP(PT)
	PIC24EP512GP204	NR	35	PIC24	512	48	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	9 ch	1 +3*	3	4	–	–	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$3.64	PBOR, POR, WDT	QFN(ML), TQFP(PT)
64-Pin	PIC24EP64MC206	R	53	PIC24	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	16 ch	1 +3*	3	10	6	1	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$2.73	PBOR, POR, WDT	QFN(MR), TQFP(PT)
	PIC24EP64GP206	R	53	PIC24	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	16 ch	1 +3*	3	4	–	–	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$2.73	PBOR, POR, WDT	QFN(MR), TQFP(PT)
	PIC24EP128MC206	R	53	PIC24	128	16	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	16 ch	1 +3*	3	10	6	1	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$2.94	PBOR, POR, WDT	QFN(MR), TQFP(PT)
	PIC24EP128GP206	R	53	PIC24	128	16	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	16 ch	1 +3*	3	4	–	–	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$2.94	PBOR, POR, WDT	QFN(MR), TQFP(PT)
	PIC24EP256MC206	R	53	PIC24	256	32	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	16 ch	1 +3*	3	10	6	1	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$3.42	PBOR, POR, WDT	QFN(MR), TQFP(PT)
	PIC24EP256GP206	R	53	PIC24	256	32	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	16 ch	1 +3*	3	4	–	–	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$3.42	PBOR, POR, WDT	QFN(MR), TQFP(PT)
	PIC24EP512MC206	NR	53	PIC24	512	48	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	16 ch	1 +3*	3	10	6	1	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$3.78	PBOR, POR, WDT	QFN(MR), TQFP(PT)
	PIC24EP512GP206	NR	53	PIC24	512	48	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	16 ch	1 +3*	3	4	–	–	4	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$3.78	PBOR, POR, WDT	QFN(MR), TQFP(PT)
	PIC24EP512GP806	NR	53	PIC24	536	52	AN1095[1]	15	3V–3.6V	70	7.37 MHz, 32 KHz	✓	–	24 ch, 2 A/D	3	–	16	–	–	16	9	4 UART, 2 SPI, 2 I²C	2	–	✓	✓	✓	$5.60	PBOR, POR, WDT	QFN(MR), TQFP(PT)
100-Pin	PIC24HJ64GP210A	R	85	PIC24	64	8	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	–	–	32 ch	–	–	8	–	–	8	9	2 UART, 2 SPI, 2 I²C	–	–	–	–	–	$3.88	PBOR, POR, WDT	TQFP (PT, PF)
	PIC24HJ64GP510A	R	85	PIC24	64	8	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	–	–	32 ch	–	–	8	–	–	8	9	2 UART, 2 SPI, 2 I²C	–	–	–	–	–	$3.88	PBOR, POR, WDT	TQFP (PT, PF)
	PIC24HJ128GP210A	R	85	PIC24	128	8	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	–	–	32 ch	–	–	8	–	–	8	9	2 UART, 2 SPI, 2 I²C	–	–	–	–	–	$3.88	PBOR, POR, WDT	TQFP (PT, PF)
	PIC24HJ128GP310A	R	85	PIC24	128	16	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	–	–	32 ch	–	–	8	–	–	8	9	2 UART, 2 SPI, 2 I²C	–	–	–	–	–	$3.88	PBOR, POR, WDT	TQFP (PT, PF)
	PIC24HJ128GP510A	R	85	PIC24	128	8	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	–	–	32 ch	–	–	8	–	–	8	9	2 UART, 2 SPI, 2 I²C	–	–	–	–	–	$3.88	PBOR, POR, WDT	TQFP (PT, PF)
	PIC24HJ256GP210A	R	85	PIC24	256	16	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	–	–	32 ch	–	–	8	–	–	8	9	2 UART, 2 SPI, 2 I²C	–	–	–	–	–	$3.88	PBOR, POR, WDT	TQFP (PT, PF)
	PIC24HJ256GP610A	R	85	PIC24	256	16	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	–	–	32 ch, 2 ADC	–	–	8	–	–	8	9	2 UART, 2 SPI, 2 I²C	2	–	–	–	–	$3.88	PBOR, POR, WDT	TQFP (PT, PF)
	PIC24EP256GU810	R	85	PIC24	280	28	AN1095[1]	15	3V–3.6V	60	7.37 MHz, 32 KHz	–	–	32 ch, 2 ADC	3	–	16	–	–	16	9	4 UART, 4 SPI, 2 I²C	2	✓	✓	✓	✓	$5.70	PBOR, POR, WDT	TQFP (PT, PF)
	PIC24EP512GU810	R	85	PIC24	536	52	AN1095[1]	15	3V–3.6V	60	7.37 MHz, 32 KHz	–	–	32 ch, 2 ADC	3	–	16	–	–	16	9	4 UART, 4 SPI, 2 I²C	2	✓	✓	✓	✓	$5.37	PBOR, POR, WDT	TQFP (PT, PF)
144-Pin	PIC24EP256GP814	R	122	PIC24	280	28	AN1095[1]	15	3V–3.6V	60	7.37 MHz, 32 KHz	–	–	32 ch, 2 ADC	3	–	16	–	–	16	9	4 UART, 4 SPI, 2 I²C	2	✓	✓	✓	✓	$6.31	PBOR, POR, WDT	TQFP (PT, PF)
	PIC24EP512GU814	R	122	PIC24	536	28	AN1095[1]	15	3V–3.6V	60	7.37 MHz, 32 KHz	–	–	32 ch, 2 ADC	3	–	16	–	–	16	9	4 UART, 4 SPI, 2 I²C	2	✓	✓	✓	✓	$6.99	PBOR, POR, WDT	TQFP (PT, PF)

* Parts available with High Temperature Options (150°C).
† Op amp configured as comparator.
Note 1: See Application Note "AN1095: Emulating Data EEPROM".
2: Two 16-bit timers can be concatenated to form a 32-bit timer.

Products sorted by pin count followed by pricing.
† Pricing subject to change; please contact your Microchip representative for most current pricing.

dsPIC33 DSC GENERAL PURPOSE AND MOTOR CONTROL FAMILY

	Product	Released (R) Not Released (NR)	I/O Pins	Core	Memory				Voltage Range	Operating Speed		Analog Sensing & Measurement				Output Compare/PWM	Input Capture	Motor Control PWM Ch	QEI	16-bit Timer[2]	Communication			PMP	RTCC/CRC	PPS	5 ku Pricing†	Monitors	Packages (Designator)
					Program (KB)	Data RAM (B)	EEPROM	DMA #Ch		Maximum Speed MIPS	Internal Oscillator	Charge Time Measurement Unit	ADC 10/12-bit 1100/500 ksps	DAC	Comparators	Op Amps						Digital Communication	CAN	FS USB OTG					System Mgmt. Features	
20-Pin	dsPIC33FJ16GP101*	R	13	dsPIC®	16	1	AN1095[1]	–	3V–3.6V	16	7.37 MHz, 32 KHz	✓	4 ch (10-bit)	–	3	–	2	3	–	–	3	1 UART, 1 SPI, 1 I²C™	–	–	–	✓	✓	$1.57	BOR, POR, WDT	PDIP(P), SOIC(SO), QFN (MQL), SSOP (SS)
	dsPIC33FJ16MC101*	R	15	dsPIC	16	1	AN1095[1]	–	3V–3.6V	16	7.37 MHz, 32 KHz	✓	4 ch (10-bit)	–	3	–	2	3	6	–	3	1 UART, 1 SPI, 1 I²C	–	–	–	✓	✓	$1.57	BOR, POR, WDT	PDIP(P), SOIC(SO), QFN (MQL), SSOP (SS)
	dsPIC33FJ32GP101*	R	13	dsPIC	32	2	AN1095[1]	–	3V–3.6V	16	7.37 MHz, 32 KHz	✓	6 ch	–	3	–	2	3	–	–	5	1 UART, 1 SPI, 1 I²C	–	–	–	✓	✓	$1.68	BOR, POR, WDT	PDIP(P), SOIC(SO), QFN (MQL), SSOP (SS)
	dsPIC33FJ32MC101*	R	15	dsPIC	32	2	AN1095[1]	–	3V–3.6V	16	7.37 MHz, 32 KHz	✓	6 ch	–	3	–	2	3	6	–	5	1 UART,1 SPI, 1 I²C	–	–	–	✓	✓	$1.68	BOR, POR, WDT	PDIP(P), SOIC (SO), SSOP (SS)
28-Pin	dsPIC33FJ16GP102*	R	21	dsPIC	16	1	AN1095[1]	–	3V–3.6V	16	7.37 MHz, 32 KHz	✓	6 ch (10-bit)	–	3	–	2	3	-	–	3	1 UART, 1 SPI, 1 I²C	–	–	–	✓	✓	$1.68	BOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MQL), VTLA (TL)
	dsPIC33FJ16MC102*	R	21	dsPIC	16	1	AN1095[1]	–	3V–3.6V	16	7.37 MHz, 32 KHz	✓	6 ch (10-bit)	–	3	–	2	3	6	–	3	1 UART, 1 SPI, 1 I²C	–	–	–	✓	✓	$1.68	BOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MQL), VTLA (TL)
	dsPIC33FJ32GP102*	R	21	dsPIC	32	2	AN1095[1]	–	3V–3.6V	16	7.37 MHz, 32 KHz	✓	8 ch	–	3	–	2	3	–	–	5	1 UART, 1 SPI, 1 I²C	–	–	–	✓	✓	$1.73	BOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MQL), VTLA (TL)
	dsPIC33FJ32MC102*	R	21	dsPIC	32	2	AN1095[1]	–	3V–3.6V	16	7.37 MHz, 32 KHz	✓	8 ch	–	3	–	2	3	6	-	5	1 UART,1 SPI, 1 I²C	–	–	–	✓	✓	$1.73	BOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM),
	dsPIC33EP32GP502*	R	21	dsPIC	32	4	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	6 ch	–	1 + 2†	2	4	4	–	–	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$2.10	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM),
	dsPIC33EP32MC502*	R	21	dsPIC	32	4	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	6 ch	–	1 + 2†	2	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$2.10	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM),
	dsPIC33EP64MC202*	R	21	dsPIC	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	6 ch	–	1 + 2†	2	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	0	–	–	✓	✓	$2.45	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM),
	dsPIC33EP64GP502*	R	21	dsPIC	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	6 ch	–	1 + 2†	2	4	4	–	–	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$2.66	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM),
	dsPIC33EP64MC502*	R	21	dsPIC	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	6 ch	–	1 + 2†	2	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$2.66	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM),
	dsPIC33EP128MC202*	R	21	dsPIC	128	16	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	6 ch	–	1 + 2†	2	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	0	–	–	✓	✓	$2.66	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM),
	dsPIC33EP128GP502*	R	21	dsPIC	128	16	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	6 ch	–	1 + 2†	2	4	4	–	–	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$2.87	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM),
	dsPIC33EP128MC502*	R	21	dsPIC	128	16	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	6 ch	–	1 + 2†	2	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$2.87	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM),
	dsPIC33EP256MC202*	R	21	dsPIC	256	32	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	6 ch	–	1 + 2†	2	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	0	–	–	✓	✓	$3.14	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM),
	dsPIC33EP256GP502*	R	21	dsPIC	256	32	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	6 ch	–	1 + 2†	2	4	4	–	–	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$3.35	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM),
	dsPIC33EP256MC502*	R	21	dsPIC	256	32	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	6 ch	–	1 + 2†	2	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$3.35	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM),
	dsPIC33EP512MC202*	NR	21	dsPIC	512	48	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	6 ch	–	1 + 2†	2	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	0	–	–	✓	✓	$3.50	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM),
	dsPIC33EP512GP502*	NR	21	dsPIC	512	48	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	6 ch	–	1 + 2†	2	4	4	–	–	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$3.71	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM),
	dsPIC33EP512MC502*	NR	21	dsPIC	512	48	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	6 ch	–	1 + 2†	2	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$3.71	PBOR, POR, WDT	SPDIP (SP), SOIC (SO), SSOP (SS), QFN (MM),
36-Pin	dsPIC33EP32MC203*	R	25	dsPIC	32	4	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	8 ch	–	1 + 2†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	0	–	–	✓	✓	$1.96	PBOR, POR, WDT	VTLA (TL)
	dsPIC33EP32GP503*	R	25	dsPIC	32	4	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	8 ch	–	1 + 2†	3	4	4	–	–	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$2.17	PBOR, POR, WDT	VTLA (TL)
	dsPIC33EP32MC503*	R	25	dsPIC	32	4	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	8 ch	–	1 + 2†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$2.17	PBOR, POR, WDT	VTLA (TL)
	dsPIC33EP64MC203*	R	25	dsPIC	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	8 ch	–	1 + 2†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	0	–	–	✓	✓	$2.52	PBOR, POR, WDT	VTLA (TL)
	dsPIC33EP64GP503*	R	25	dsPIC	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	8 ch	–	1 + 2†	3	4	4	–	–	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$2.73	PBOR, POR, WDT	VTLA (TL)
	dsPIC33EP64MC503*	R	25	dsPIC	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	8 ch	–	1 + 2†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$2.73	PBOR, POR, WDT	VTLA (TL)
	dsPIC33EP256MC203*	R	25	dsPIC	256	32	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	8 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	–	–	–	✓	✓	$3.21	PBOR, POR, WDT	VTLA (TL)
44-Pin	dsPIC33FJ32GP104*	R	35	dsPIC	32	2	AN1095[1]	–	3V–3.6V	16	7.37 MHz, 32 KHz	✓	14 ch	–	3	–	2	3	–	–	5	1 UART, 1 SPI, 1 I²C	–	–	–	✓	✓	$2.02	BOR, POR, WDT	TQFP (PT), TLA, QFN (ML)
	dsPIC33FJ32MC104*	R	35	dsPIC	32	2	AN1095[1]	–	3V–3.6V	16	7.37 MHz, 32 KHz	✓	14 ch	–	3	–	2	3	6	–	5	1 UART,1 SPI, 1 I²C	–	–	–	✓	✓	$2.02	BOR, POR, WDT	TQFP (PT), VTLA (TL), QFN (ML)
	dsPIC33EP32MC204*	R	35	dsPIC	32	4	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	9 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	0	–	–	✓	✓	$2.03	PBOR, POR, WDT	TQFP (PT), VTLA (TL), QFN (ML)
	dsPIC33EP32GP504*	R	35	dsPIC	32	4	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	9 ch	–	1 + 3†	3	4	4	–	–	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$2.24	PBOR, POR, WDT	TQFP (PT), VTLA (TL), QFN (ML)
	dsPIC33EP32MC504*	R	35	dsPIC®	32	4	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	9 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$2.24	PBOR, POR, WDT	TQFP (PT), VTLA (TL), QFN (ML)
	dsPIC33EP64MC204*	R	35	dsPIC	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	9 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	0	–	–	✓	✓	$2.59	PBOR, POR, WDT	TQFP (PT), VTLA (TL), QFN (ML)
	dsPIC33EP64GP504*	R	35	dsPIC	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	9 ch	–	1 + 3†	3	4	4	–	–	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$2.80	PBOR, POR, WDT	TQFP (PT), VTLA (TL), QFN (ML)
	dsPIC33EP64MC504*	R	35	dsPIC	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	9 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$2.80	PBOR, POR, WDT	TQFP (PT), VTLA (TL), QFN (ML)
	dsPIC33EP128MC204*	R	35	dsPIC	128	16	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	9 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	0	–	–	✓	✓	$2.80	PBOR, POR, WDT	TQFP (PT), VTLA (TL), QFN (ML)

* Parts available with High Temperature Options (150°C).
† Op amp configured as comparator.
Note 1: See Application Note "AN1095: Emulating Data EEPROM".
2: Two 16-bit timers can be concatenated to form a 32-bit timer.
Products sorted by pin count followed by pricing.
† Pricing subject to change; please contact your Microchip representative for most current pricing.

dsPIC33 DSC GENERAL PURPOSE AND MOTOR CONTROL FAMILY

	Product	Released (R) Not Released (NR)	I/O Pins	Core	Memory				Voltage Range	Operating Speed		Analog Sensing & Measurement					Output Compare/PWM	Input Capture	Motor Control PWM Ch	QEI	16-bit Timer[2]	Communication			PMP	RTCC/CRC	PPS	5 ku Pricing†	Monitors	Packages (Designator)
					Program (KB)	Data RAM (B)	EEPROM	DMA #Ch		Maximum Speed MIPS	Internal Oscillator	Charge Time Measurement Unit	ADC 10/12-bit 1100/500 ksps	DAC	Comparators	Op Amps						Digital Communication	CAN	FS USB OTG					System Mgmt. Features	
44-Pin (Cont.)	dsPIC33EP128GP504*	R	35	dsPIC®	128	16	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	9 ch	–	1 + 3†	3	4	4	–	–	5	2 UART, 2 SPI, 1 I²C™	1	–	–	✓	✓	$3.01	PBOR, POR, WDT	TQFP (PT), VTLA (TL), QFN (ML)
	dsPIC33EP128MC504*	R	35	dsPIC	128	16	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	9 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$3.01	PBOR, POR, WDT	TQFP (PT), VTLA (TL), QFN (ML)
	dsPIC33EP256MC204*	R	35	dsPIC	256	32	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	9 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	0	–	–	✓	✓	$3.28	PBOR, POR, WDT	TQFP (PT), VTLA (TL), QFN (ML)
	dsPIC33EP256GP504*	R	35	dsPIC	256	32	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	9 ch	–	1 + 3†	3	4	4	–	–	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$3.49	PBOR, POR, WDT	TQFP (PT), VTLA (TL), QFN (ML)
	dsPIC33EP256MC504*	R	35	dsPIC	256	32	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	9 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$3.49	PBOR, POR, WDT	TQFP (PT), VTLA (TL), QFN (ML)
	dsPIC33EP512MC204*	NR	35	dsPIC	512	48	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	9 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	0	–	–	✓	✓	$3.64	PBOR, POR, WDT	TQFP (PT), VTLA (TL), QFN (ML)
	dsPIC33EP512GP504*	NR	35	dsPIC	512	48	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	9 ch	–	1 + 3†	3	4	4	–	–	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$3.85	PBOR, POR, WDT	TQFP (PT), QFN (ML)
	dsPIC33EP512MC504*	NR	35	dsPIC	512	48	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	9 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$3.85	PBOR, POR, WDT	TQFP (PT), VTLA (TL), QFN (ML)
64-Pin	dsPIC33EP64MC206*	R	53	dsPIC	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	16 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	0	–	–	✓	✓	$2.73	PBOR, POR, WDT	TQFP (PT), QFN (MR)
	dsPIC33EP64GP506*	R	53	dsPIC	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	16 ch	–	1 + 3†	3	4	4	–	–	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$2.94	PBOR, POR, WDT	TQFP (PT), QFN (MR)
	dsPIC33EP64MC506*	R	53	dsPIC	64	8	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	16 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$2.94	PBOR, POR, WDT	TQFP (PT), QFN (MR)
	dsPIC33EP128MC206*	R	53	dsPIC	128	16	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	16 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	0	–	–	✓	✓	$2.94	PBOR, POR, WDT	TQFP (PT), QFN (MR)
	dsPIC33EP128GP506*	R	53	dsPIC	128	16	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	16 ch	–	1 + 3†	3	4	4	–	–	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$3.15	PBOR, POR, WDT	TQFP (PT), QFN (MR)
	dsPIC33EP128MC506*	R	53	dsPIC	128	16	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	16 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$3.15	PBOR, POR, WDT	TQFP (PT), QFN (MR)
	dsPIC33EP256MC206*	R	53	dsPIC	256	32	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	16 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	0	–	–	✓	✓	$3.42	PBOR, POR, WDT	TQFP (PT), QFN (MR)
	dsPIC33EP256GP506*	R	53	dsPIC	256	32	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	16 ch	–	1 + 3†	3	4	4	–	–	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$3.63	PBOR, POR, WDT	TQFP (PT), QFN (MR)
	dsPIC33EP256MC506*	R	53	dsPIC	256	32	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	16 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$3.63	PBOR, POR, WDT	TQFP (PT), QFN (MR)
	dsPIC33EP512MC206*	NR	53	dsPIC	512	48	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	16 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	0	–	–	✓	✓	$3.78	PBOR, POR, WDT	TQFP (PT), QFN (MR)
	dsPIC33EP512GP506*	NR	53	dsPIC	512	48	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	16 ch	–	1 + 3†	3	4	4	–	–	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$3.99	PBOR, POR, WDT	TQFP (PT), QFN (MR)
	dsPIC33EP512MC506*	NR	53	dsPIC	512	48	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	✓	16 ch	–	1 + 3†	3	4	4	6	1	5	2 UART, 2 SPI, 1 I²C	1	–	–	✓	✓	$3.99	PBOR, POR, WDT	TQFP (PT), QFN (MR)
	dsPIC33EP512MC806*	NR	53	dsPIC	536	52	AN1095[1]	15	3V–3.6V	70	7.37 MHz, 32 KHz	–	24 ch, 2 ADC	–	3	–	16	16	8	2	9	4 UART, 2 SPI, 2 I²C	2	Y	Y	✓	✓	$5.22	PBOR, POR, WDT	TQFP (PT), QFN (MR)
	dsPIC33EP512GP806*	NR	53	dsPIC	536	52	AN1095[1]	15	3V–3.6V	70	7.37 MHz, 32 KHz	–	24 ch, 2 ADC	–	3	–	16	16	–	–	9	4 UART, 2 SPI, 2 I²C	2	–	Y	✓	✓	$5.60	PBOR, POR, WDT	TQFP (PT), QFN (MR)
	dsPIC33EP256MU806*	R	53	dsPIC	512	48	AN1095[1]	4	3V–3.6V	70	7.37 MHz, 32 KHz	–	24 ch, 2 ADC	–	3	–	16	16	8	2	9	4 UART, 2 SPI, 2 I²C	2	–	Y	✓	✓	$5.60	PBOR, POR, WDT	TQFP (PT), QFN (MR)
100-Pin	dsPIC33FJ64GP310A*	R	85	dsPIC	64	16	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	–	32 ch	–	–	–	8	8	–	–	9	2 UART, 2 SPI, 2 I²C	–	–	–	–	–	$3.99	PBOR, POR, WDT	TQFP (PT, PF)
	dsPIC33FJ64MC510A*	R	85	dsPIC	64	8	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	–	24 ch	–	–	–	8	8	8	1	9	2 UART, 2 SPI, 2 I²C	1	–	–	–	–	$4.33	PBOR, POR, WDT	TQFP (PT, PF)
	dsPIC33FJ128GP310A*	R	85	dsPIC	128	16	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	–	32 ch	–	–	–	8	8	–	–	9	2 UART, 2 SPI, 2 I²C	–	–	–	–	–	$4.25	PBOR, POR, WDT	TQFP (PT, PF)
	dsPIC33FJ128MC510A*	R	85	dsPIC	128	8	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	–	24 ch	–	–	–	8	8	8	1	9	2 UART, 2 SPI, 2 I²C	1	–	–	–	–	$4.59	PBOR, POR, WDT	TQFP (PT, PF)
	dsPIC33FJ64GP710A*	R	85	dsPIC	64	16	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	–	32 ch, 2 ADC	–	–	–	8	8	–	–	9	2 UART, 2 SPI, 2 I²C	2	–	–	–	–	$4.61	PBOR, POR, WDT	TQFP (PT, PF)
	dsPIC33FJ64MC710A*	R	85	dsPIC	64	16	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	-	24 ch, 2 ADC	–	–	–	8	8	8	1	9	2 UART, 2 SPI, 2 I²C	2	–	–	–	–	$4.91	PBOR, POR, WDT	TQFP (PT, PF)
	dsPIC33FJ256GP510A*	R	85	dsPIC	256	16	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	-	32 ch	–	–	–	8	8	–	–	9	2 UART, 2 SPI, 2 I²C	1	–	–	–	–	$4.66	PBOR, POR, WDT	TQFP (PT, PF)
	dsPIC33FJ128GP710A*	R	85	dsPIC	128	16	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	-	32 ch, 2 ADC	–	–	–	8	8	–	–	9	2 UART, 2 SPI, 2 I²C	2	–	–	–	–	$4.86	PBOR, POR, WDT	TQFP (PT, PF)
	dsPIC33FJ256MC510A*	R	85	dsPIC	256	16	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	-	16 ch	–	–	–	8	8	8	1	9	2 UART, 2 SPI, 2 I²C	1	–	–	–	–	$4.97	PBOR, POR, WDT	TQFP (PT, PF)
	dsPIC33FJ128MC710A*	R	85	dsPIC	128	16	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	-	24 ch, 2 ADC	–	–	–	8	8	8	1	9	2 UART, 2 SPI, 2 I²C	2	–	–	–	–	$5.18	PBOR, POR, WDT	TQFP (PT, PF)
	dsPIC33FJ256GP710A*	R	85	dsPIC	256	30	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	-	32 ch, 2 ADC	–	–	–	8	8	–	–	9	2 UART, 2 SPI, 2 I²C	2	–	–	–	–	$5.32	PBOR, POR, WDT	TQFP (PT, PF)
	dsPIC33FJ256MC710A*	R	85	dsPIC	256	30	AN1095[1]	8	3V–3.6V	40	7.37 MHz, 32 KHz	-	24 ch, 2 ADC	–	–	–	8	8	8	1	9	2 UART, 2 SPI, 2 I²C	2	–	–	–	–	$5.67	PBOR, POR, WDT	TQFP (PT, PF)
	dsPIC33EP256MU810*	R	83	dsPIC	280	28	AN1095[1]	15	3V–3.6V	60	7.37 MHz, 32 KHz	-	32 ch, 2 ADC	–	3	–	16	16	12	2	9	2 UART, 2 SPI, 2 I²C	2	✓	✓	✓	✓	$5.70	PBOR, POR, WDT	TQFP (PT, PF)
	dsPIC33EP512MU810*	R	83	dsPIC	536	52	AN1095[1]	15	3V–3.6V	60	7.37 MHz, 32 KHz	-	32 ch, 2 ADC	–	3	–	16	16	12	2	9	2 UART, 2 SPI, 2 I²C	2	✓	✓	✓	✓	$6.37	PBOR, POR, WDT	TQFP (PT, PF)
144-Pin	dsPIC33EP256MU814*	R	122	dsPIC	280	28	AN1095[1]	15	3V–3.6V	60	7.37 MHz, 32 KHz	-	32 ch, 2 ADC	–	3	–	16	16	12	2	9	2 UART, 2 SPI, 2 I²C	2	✓	✓	✓	✓	$6.31	PBOR, POR, WDT	TQFP (PT, PF)
	dsPIC33EP512MU814*	R	122	dsPIC	536	52	AN1095[1]	15	3V–3.6V	60	7.37 MHz, 32 KHz	-	32 ch, 2 ADC	–	3	–	16	16	12	2	9	2 UART, 2 SPI, 2 I²C	2	✓	✓	✓	✓	$6.99	PBOR, POR, WDT	TQFP (PT, PF)

* Parts available with High Temperature Options (150°C).
† Op amp configured as comparator.
Note 1: See Application Note "AN1095: Emulating Data EEPROM".
2: Two 16-bit timers can be concatenated to form a 32-bit timer.
Products sorted by pin count followed by pricing.
† Pricing subject to change; please contact your Microchip representative for most current pricing.

dsPIC33 DSC SMPS AND DIGITAL POWER CONVERSION FAMILY

	Product	Released (R) Not Released (NR)	I/O Pins	Core	Memory				Voltage Range	Operating Speed		Analog			Output Compare/PWM	Input Capture	Power Supply PWM Ch[1]	QEI	16-bit Timer[2]	Communication		PMP	RTCC	PPS	5 ku Pricing†	Monitors	Packages (Designator)
					Program (KB)	Data RAM (B)	EEPROM	DMA #Ch		Maximum Speed MIPS	Internal Oscillator	ADC 10-bit 2000 ksps (‡ 4000 ksps)	DAC	Comparators						Digital Communication	CAN					System Mgmt. Features	
18-Pin	dsPIC33FJ06GS001	R	13	dsPIC®	6	256	AN1095[1]	–	3V–3.6V	40	7.37 MHz, 32 kHz	6 ch	2 × 10-bit	2	–	–	4	–	2	1 UART, 1 SPI, 1 I²C™	–	–	–	✓	$1.61	BOR, POR, WDT	PDIP (P), SOIC (SO), SSOP (SS)
	dsPIC33FJ06GS101A	R	13	dsPIC	6	256	AN1095[1]	–	3V–3.6V	40	7.37 MHz, 32 kHz	6 ch	–	–	1	–	4	–	2	1 UART, 1 SPI, 1 I²C	–	–	–	✓	$1.75	BOR, POR, WDT	PDIP (P), SOIC (SO), SSOP (SS)
28-Pin	dsPIC33FJ06GS102A	R	21	dsPIC	6	256	AN1095[1]	–	3V–3.6V	40	7.37 MHz, 32 kHz	6 ch	–	–	1	–	4	–	2	1 UART, 1 SPI, 1 I²C	–	–	–	✓	$1.95	BOR, POR, WDT	SDIP (SP), SOIC (SO), SSOP (SS), QFN (MM)
	dsPIC33FJ06GS202A	R	21	dsPIC	6	1024	AN1095[1]	–	3V–3.6V	40	7.37 MHz, 32 kHz	6 ch	2 × 10-bit	2	1	1	4	–	2	1 UART, 1 SPI, 1 I²C	–	–	–	✓	$2.06	BOR, POR, WDT	SDIP (SP), SOIC (SO), SSOP (SS), QFN (MM)
	dsPIC33FJ09GS302	R	21	dsPIC	9	1024	AN1095[1]	–	3V–3.6V	40	7.37 MHz, 32 kHz	8 ch	2 × 10-bit	2	1	1	6	–	2	1 UART, 1 SPI, 1 I²C	–	–	–	✓	$2.17	BOR, POR, WDT	SDIP (SP), SOIC (SO), SSOP (SS), QFN (MM)
	dsPIC33FJ16GS402*	R	21	dsPIC	16	2048	AN1095[1]	–	3V–3.6V	50	7.37 MHz, 32 kHz	8 ch	–	–	2	2	6	–	3	1 UART, 1 SPI, 1 I²C	–	–	–	✓	$2.52	BOR, POR, WDT	SPDIP (SP), SOIC (SO), QFN (MM)
	dsPIC33FJ16GS502*	R	21	dsPIC	16	2048	AN1095[1]	–	3V–3.6V	50	7.37 MHz, 32 kHz	8 ch, 2 ADC†	4 × 10-bit	4	2	2	8	–	3	1 UART, 1 SPI, 1 I²C	–	–	–	✓	$3.04	BOR, POR, WDT	SPDIP (SP), SOIC (SO), QFN (MM)
44-Pin	dsPIC33FJ16GS404*	R	35	dsPIC	16	2048	AN1095[1]	–	3V–3.6V	50	7.37 MHz, 32 kHz	8 ch	–	–	2	2	6	–	3	1 UART, 1 SPI, 1 I²C	–	–	–	✓	$2.77	BOR, POR, WDT	TQFP (PT), QFN (ML)
	dsPIC33FJ16GS504*	R	35	dsPIC	16	2048	AN1095[1]	–	3V–3.6V	50	7.37 MHz, 32 kHz	12 ch, 2 ADC†	4 × 10-bit	4	2	2	8	–	3	1 UART, 1 SPI, 1 I²C	–	–	–	✓	$3.42	BOR, POR, WDT	TQFP (PT), QFN (ML)
64-Pin	dsPIC33FJ32GS406	R	58	dsPIC	32	4096	AN1095[1]	–	3V–3.6V	50	7.37 MHz, 32 kHz	16 ch	–	–	4	4	12	1	5	2 UART, 2 SPI, 2 I²C	–	–	–	–	$3.07	BOR, POR, WDT	TQFP (PT), QFN (MR)
	dsPIC33FJ64GS406	R	58	dsPIC	64	8192	AN1095[1]	–	3V–3.6V	50	7.37 MHz, 32 kHz	16 ch	–	–	4	4	12	1	5	2 UART, 2 SPI, 2 I²C	–	–	–	–	$3.35	BOR, POR, WDT	TQFP (PT), QFN (MR)
	dsPIC33FJ32GS606	R	58	dsPIC	32	4096	AN1095[1]	–	3V–3.6V	50	7.37 MHz, 32 kHz	16 ch, 2 ADC†	4 × 10-bit	4	4	4	12	2	5	2 UART, 2 SPI, 2 I²C	–	–	–	–	$3.36	BOR, POR, WDT	TQFP (PT), QFN (MR)
	dsPIC33FJ64GS606	R	58	dsPIC	64	9216	AN1095[1]	4	3V–3.6V	50	7.37 MHz, 32 kHz	16 ch, 2 ADC†	4 × 10-bit	4	4	4	12	2	5	2 UART, 2 SPI, 2 I²C	1	–	–	–	$3.81	BOR, POR, WDT	TQFP (PT), QFN (MR)
80-Pin	dsPIC33FJ32GS608	R	74	dsPIC	32	4096	AN1095[1]	–	3V–3.6V	50	7.37 MHz, 32 kHz	18 ch, 2 ADC†	4 × 10-bit	4	4	4	16	2	5	2 UART, 2 SPI, 2 I²C	–	–	–	–	$3.85	BOR, POR, WDT	TQFP (PT)
	dsPIC33FJ64GS608	R	74	dsPIC	64	9216	AN1095[1]	4	3V–3.6V	50	7.37 MHz, 32 kHz	18 ch, 2 ADC†	4 × 10-bit	4	4	4	16	2	5	2 UART, 2 SPI, 2 I²C	1	–	–	–	$4.34	BOR, POR, WDT	TQFP (PT)
100-Pin	dsPIC33FJ32GS610	R	85	dsPIC	32	4096	AN1095[1]	–	3V–3.6V	50	7.37 MHz, 32 kHz	24 ch, 2 ADC†	4 × 10-bit	4	4	4	18	2	5	2 UART, 2 SPI, 2 I²C	–	–	–	–	$4.41	BOR, POR, WDT	TQFP (PF, PT)
	dsPIC33FJ64GS610	R	85	dsPIC	64	9216	AN1095[1]	4	3V–3.6V	50	7.37 MHz, 32 kHz	24 ch, 2 ADC†	4 × 10-bit	4	4	4	18	2	5	2 UART, 2 SPI, 2 I²C	1	–	–	–	$4.89	BOR, POR, WDT	TQFP (PF, PT)

* Parts available with High Temperature Options (150°C).
† 4 Msps devices with 2 ADCs
Note 1: See Application Note "AN1095: Emulating Data EEPROM".
2: Two 16-bit timers can be concatenated to form a 32-bit timer.

Products sorted by pin count followed by pricing.
† Pricing subject to change; please contact your Microchip representative for most current pricing.

32-BIT PIC32 MICROCONTROLLERS

	Product	Released (R) Not Released (NR)	I/O Pins	Core	Memory: Flash KB + Boot Flash	Memory: Data RAM (KB)	Memory: EEPROM	DMA Channels General/Dedicated	Voltage Range	Operating Speed: Maximum Speed (MHz)	Operating Speed: Internal Oscillator	Charge Time Measurement Unit	Analog: ADC 10-bit 1,000 ksps	Analog: Comparators	IC/OC/PWM	Timers 16/32-bit	Communication: SPI/I²S	Communication: I²C™	Communication: UARTs	Communication: FS USB	Communication: Ethernet	Communication: CAN	PMP	RTCC	Peripheral Pin Select (PPS)	5 ku Pricing†	Monitors: System Mgmt. Features	Packages (Designator)
28-Pin	PIC32MX110F016B	R	21	PIC32	16 + 3	4	AN1095	4/0	2.3V–3.6V	40	8 MHz, 32 KHz	✓	10 ch	3	5/5/5	5/2	2/2	2	2	–	–	–	✓	✓	✓	$1.51	POR, BOR, LVD, WDT	SPDIP (SP), SOIC (SO), SSOC (SS), QFN (ML)
	PIC32MX210F016B	R	21	PIC32	16 + 3	4	AN1095	4/2	2.3V–3.6V	40	8 MHz, 32 KHz	✓	10 ch	3	5/5/5	5/2	2/2	2	2	Device	–	–	✓	✓	✓	$1.62	POR, BOR, LVD, WDT	SPDIP (SP), SOIC (SO), SSOC (SS), QFN (ML)
	PIC32MX120F032B	R	21	PIC32	32 + 3	8	AN1095	4/0	2.3V–3.6V	50	8 MHz, 32 KHz	✓	10 ch	3	5/5/5	5/2	2/2	2	2	–	–	–	✓	✓	✓	$1.71	POR, BOR, LVD, WDT	SPDIP (SP), SOIC (SO), SSOC (SS), QFN (ML)
	PIC32MX220F032B	R	21	PIC32	32 + 3	8	AN1095	4/2	2.3V–3.6V	50	8 MHz, 32 KHz	✓	10 ch	3	5/5/5	5/2	2/2	2	2	Device	–	–	✓	✓	✓	$1.82	POR, BOR, LVD, WDT	SPDIP (SP), SOIC (SO), SSOC (SS), QFN (ML)
	PIC32MX130F064B	R	21	PIC32	64 + 3	16	AN1095	4/0	2.3V–3.6V	40	8 MHz, 32 KHz	✓	10 ch	3	5/5/5	5/2	2/2	2	2	–	–	–	✓	✓	✓	$2.03	POR, BOR, LVD, WDT	SPDIP (SP), SOIC (SO), SSOC (SS), QFN (ML)
	PIC32MX150F128B	R	21	PIC32	128 + 3	32	AN1095	4/0	2.3V–3.6V	50	8 MHz, 32 KHz	✓	10 ch	3	5/5/5	5/2	2/2	2	2	–	–	–	✓	✓	✓	$2.31	POR, BOR, LVD, WDT	SPDIP (SP), SOIC (SO), SSOC (SS), QFN (ML)
	PIC32MX230F064B	R	21	PIC32	64 + 3	16	AN1095	4/2	2.3V–3.6V	40	8 MHz, 32 KHz	✓	10 ch	3	5/5/5	5/2	2/2	2	2	OTG	–	–	✓	✓	✓	$2.31	POR, BOR, LVD, WDT	SPDIP (SP), SOIC (SO), SSOC (SS), QFN (ML)
	PIC32MX250F128B	R	21	PIC32	128 + 3	32	AN1095	4/2	2.3V–3.6V	50	8 MHz, 32 KHz	✓	10 ch	3	5/5/5	5/2	2/2	2	2	OTG	–	–	✓	✓	✓	$2.59	POR, BOR, LVD, WDT	SPDIP (SP), SOIC (SO), SSOC (SS), QFN (ML)
36-Pin	PIC32MX110F016C	R	25	PIC32	16 + 3	4	AN1095	4/0	2.3V–3.6V	40	8 MHz, 32 KHz	✓	12 ch	3	5/5/5	5/2	2/2	2	2	–	–	–	✓	✓	✓	$1.65	POR, BOR, LVD, WDT	VTLA (TL)
	PIC32MX210F016C	R	25	PIC32	16 + 3	4	AN1095	4/2	2.3V–3.6V	40	8 MHz, 32 KHz	✓	12 ch	3	5/5/5	5/2	2/2	2	2	Device	–	–	✓	✓	✓	$1.76	POR, BOR, LVD, WDT	VTLA (TL)
	PIC32MX120F032C	R	25	PIC32	32 + 3	8	AN1095	4/0	2.3V–3.6V	50	8 MHz, 32 KHz	✓	12 ch	3	5/5/5	5/2	2/2	2	2	–	–	–	✓	✓	✓	$1.85	POR, BOR, LVD, WDT	VTLA (TL)
	PIC32MX220F032C	R	25	PIC32	32 + 3	8	AN1095	4/2	2.3V–3.6V	50	8 MHz, 32 KHz	✓	12 ch	3	5/5/5	5/2	2/2	2	2	Device	–	–	✓	✓	✓	$1.96	POR, BOR, LVD, WDT	VTLA (TL)
	PIC32MX130F064C	R	25	PIC32	64 + 3	16	AN1095	4/0	2.3V–3.6V	40	8 MHz, 32 KHz	✓	12 ch	3	5/5/5	5/2	2/2	2	2	–	–	–	✓	✓	✓	$2.17	POR, BOR, LVD, WDT	VTLA (TL)
	PIC32MX150F128C	R	25	PIC32	128 + 3	32	AN1095	4/0	2.3V–3.6V	50	8 MHz, 32 KHz	✓	12 ch	3	5/5/5	5/2	2/2	2	2	–	–	–	✓	✓	✓	$2.45	POR, BOR, LVD, WDT	VTLA (TL)
	PIC32MX230F064C	R	25	PIC32	64 + 3	16	AN1095	4/2	2.3V–3.6V	40	8 MHz, 32 KHz	✓	12 ch	3	5/5/5	5/2	2/2	2	2	OTG	–	–	✓	✓	✓	$2.45	POR, BOR, LVD, WDT	VTLA (TL)
	PIC32MX250F128C	R	25	PIC32	128 + 3	32	AN1095	4/2	2.3V–3.6V	50	8 MHz, 32 KHz	✓	12 ch	3	5/5/5	5/2	2/2	2	2	OTG	–	–	✓	✓	✓	$2.73	POR, BOR, LVD, WDT	VTLA (TL)
44-Pin	PIC32MX110F016D	R	34	PIC32	16 + 3	4	AN1095	4/0	2.3V–3.6V	40	8 MHz, 32 KHz	✓	13 ch	3	5/5/5	5/2	2/2	2	2	–	–	–	✓	✓	✓	$1.75	POR, BOR, LVD, WDT	TQFP (PT), QFN (ML), VTLA (TL)
	PIC32MX210F016D	R	34	PIC32	16 + 3	4	AN1095	4/2	2.3V–3.6V	40	8 MHz, 32 KHz	✓	13 ch	3	5/5/5	5/2	2/2	2	2	Device	–	–	✓	✓	✓	$1.85	POR, BOR, LVD, WDT	TQFP (PT), QFN (ML), VTLA (TL)
	PIC32MX120F032D	R	34	PIC32	32 + 3	8	AN1095	4/0	2.3V–3.6V	50	8 MHz, 32 KHz	✓	13 ch	3	5/5/5	5/2	2/2	2	2	–	–	–	✓	✓	✓	$1.95	POR, BOR, LVD, WDT	TQFP (PT), QFN (ML), VTLA (TL)
	PIC32MX220F032D	R	34	PIC32	32 + 3	8	AN1095	4/2	2.3V–3.6V	50	8 MHz, 32 KHz	✓	13 ch	3	5/5/5	5/2	2/2	2	2	Device	–	–	✓	✓	✓	$2.04	POR, BOR, LVD, WDT	TQFP (PT), QFN (ML), VTLA (TL)
	PIC32MX130F064D	R	34	PIC32	64 + 3	16	AN1095	4/0	2.3V–3.6V	40	8 MHz, 32 KHz	✓	13 ch	3	5/5/5	5/2	2/2	2	2	–	–	–	✓	✓	✓	$2.24	POR, BOR, LVD, WDT	TQFP (PT), QFN (ML), VTLA (TL)
	PIC32MX150F128D	R	34	PIC32	128 + 3	32	AN1095	4/0	2.3V–3.6V	50	8 MHz, 32 KHz	✓	13 ch	3	5/5/5	5/2	2/2	2	2	–	–	–	✓	✓	✓	$2.52	POR, BOR, LVD, WDT	TQFP (PT), QFN (ML), VTLA (TL)
	PIC32MX230F064D	R	34	PIC32	64 + 3	16	AN1095	4/2	2.3V–3.6V	40	8 MHz, 32 KHz	✓	13 ch	3	5/5/5	5/2	2/2	2	2	OTG	–	–	✓	✓	✓	$2.52	POR, BOR, LVD, WDT	TQFP (PT), QFN (ML), VTLA (TL)
	PIC32MX250F128D	R	34	PIC32	128 + 3	32	AN1095	4/2	2.3V–3.6V	50	8 MHz, 32 KHz	✓	13 ch	3	5/5/5	5/2	2/2	2	2	OTG	–	–	✓	✓	✓	$2.80	POR, BOR, LVD, WDT	TQFP (PT), QFN (ML), VTLA (TL)
64-Pin	PIC32MX330F064H	NR	53	PIC32	64 + 12	16	AN1095(1)	4/0	2.3V–3.6V	80	8 MHz, 32 KHz	✓	28	2	5/5/5	5/2	2/2	2	4	–	–	–	✓	✓	✓	call for pricing	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX430F064H	NR	53	PIC32	64 + 12	16	AN1095(1)	4/2	2.3V–3.6V	80	8 MHz, 32 KHz	✓	28	2	5/5/5	5/2	2/2	2	4	OTG	–	–	✓	✓	✓	call for pricing	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX320F032H	R	51	PIC32	32 + 12	8	AN1095(1)	0/0	2.3V–3.6V	40	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	2/0	2	2	–	–	–	✓	✓	–	$3.09	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX320F064H	R	51	PIC32	64 + 12	16	AN1095(1)	0/0	2.3V–3.6V	40	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	2/0	2	2	–	–	–	✓	✓	–	$3.36	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX420F032H	R	51	PIC32	32 + 12	8	AN1095(1)	0/2	2.3V–3.6V	40	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	2/0	2	2	OTG	–	–	✓	✓	–	$3.36	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX320F128H	R	51	PIC32	128 + 12	16	AN1095(1)	0/0	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	2/0	2	2	–	–	–	✓	✓	–	$3.75	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX534F064H	R	51	PIC32	64 + 12	16	AN1095(1)	4/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	3/0	4	6	OTG	–	1	✓	✓	–	$3.89	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX340F128H	R	51	PIC32	128 + 12	32	AN1095(1)	4/0	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	2/0	2	2	–	–	–	✓	✓	–	$3.96	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX564F064H	R	51	PIC32	64 + 12	32	AN1095(1)	4/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	3/0	4	6	OTG	–	1	✓	✓	–	$4.10	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX440F128H	R	51	PIC32	128 + 12	32	AN1095(1)	4/2	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	2/0	2	2	OTG	–	–	✓	✓	–	$4.23	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX340F256H	R	51	PIC32	256 + 12	32	AN1095(1)	4/0	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	2/0	2	2	–	–	–	✓	✓	–	$4.31	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX564F128H	R	51	PIC32	128 + 12	32	AN1095(1)	4/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	3/0	4	6	OTG	–	1	✓	✓	–	$4.34	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX664F064H	R	51	PIC32	64 + 12	32	AN1095(1)	4/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	3/0	4	6	OTG	10/100	–	✓	✓	–	$4.34	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX440F256H	R	51	PIC32	256 + 12	32	AN1095(1)	4/2	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	2/0	2	2	OTG	–	–	✓	✓	–	$4.58	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX664F128H	R	51	PIC32	128 + 12	32	AN1095(1)	4/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	3/0	4	6	OTG	10/100	–	✓	✓	–	$4.58	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)

Note 1: See Application Note "AN1095: Emulating Data EEPROM".

Products sorted by pin count followed by pricing.

† Pricing subject to change; please contact your Microchip representative for most current pricing.

32-BIT PIC32 MICROCONTROLLERS

	Product	Released (R) Not Released (NR)	I/O Pins	Core	Memory: Flash KB + Boot Flash	Memory: Data RAM (KB)	Memory: EEPROM	DMA Channels General/Dedicated	Voltage Range	Operating Speed: Maximum Speed (MHz)	Operating Speed: Internal Oscillator	Charge Time Measurement Unit	Analog: ADC 10-bit 1,000 ksps	Analog: Comparators	IC/OC/PWM	Timers 16/32-bit	Communication: SPI/I²S	Communication: I²C™	Communication: UARTs	Communication: FS USB	Communication: Ethernet	Communication: CAN	PMP	RTCC	Peripheral Pin Select (PPS)	5 ku Pricing[1]	Monitors: System Mgmt. Features	Packages (Designator)
64-Pin (Cont.)	PIC32MX764F128H	R	51	PIC32	128 + 12	32	AN1095[1]	4/6	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	3/0	4	6	OTG	10/100	1	✓	✓	–	$4.69	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX340F512H	R	51	PIC32	512 + 12	32	AN1095[1]	4/0	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	2/0	2	2	–	–	–	✓	✓	–	$4.77	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX575F256H	R	51	PIC32	256 + 12	64	AN1095[1]	8/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	3/0	4	6	OTG	–	1	✓	✓	–	$4.96	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX440F512H	R	51	PIC32	512 + 12	32	AN1095[1]	4/2	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	2/0	2	2	OTG	–	–	✓	✓	–	$5.04	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX675F256H	R	51	PIC32	256 + 12	64	AN1095[1]	8/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	3/0	4	6	OTG	10/100	–	✓	✓	–	$5.19	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX575F512H	R	51	PIC32	512 + 12	64	AN1095[1]	8/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	3/0	4	6	OTG	–	1	✓	✓	–	$5.42	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX775F256H	R	51	PIC32	256 + 12	64	AN1095[1]	8/8	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	3/0	4	6	OTG	10/100	2	✓	✓	–	$5.42	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX675F512H	R	51	PIC32	512 + 12	64	AN1095[1]	8/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	3/0	4	6	OTG	10/100	–	✓	✓	–	$5.66	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX775F512H	R	51	PIC32	512 + 12	64	AN1095[1]	8/8	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	3/0	4	6	OTG	10/100	2	✓	✓	–	$5.88	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX695F512H	R	51	PIC32	512 + 12	128	AN1095[1]	8/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	3/0	4	6	OTG	10/100	–	✓	✓	–	$6.13	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
	PIC32MX795F512H	R	51	PIC32	512 + 12	128	AN1095[1]	8/8	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	3/0	4	6	OTG	10/100	2	✓	✓	–	$6.36	POR, BOR, LVD, WDT	TQFP (PT), QFN (MR)
100-Pin	PIC32MX330F064L	NR	85	PIC32	64 + 12	16	AN1095[1]	4/0	2.3V–3.6V	80	8 MHz, 32 KHz	✓	28	2	5/5/5	5/2	2/2	2	5	–	–	–	✓	✓	–	call for pricing	POR, BOR, LVD, WDT	TQFP (PT, PF), VTLA (TL)
	PIC32MX430F064L	NR	85	PIC32	64 + 12	16	AN1095[1]	4/2	2.3V–3.6V	80	8 MHz, 32 KHz	✓	28	2	5/5/5	5/2	2/2	2	5	OTG	–	–	✓	✓	–	call for pricing	POR, BOR, LVD, WDT	TQFP (PT, PF), VTLA (TL)
	PIC32MX534F064L	R	85	PIC32	64 + 12	16	AN1095[1]	4/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	4/0	5	6	OTG	–	1	✓	✓	–	$4.37	POR, BOR, LVD, WDT	TQFP (PT, PF), XBGA (BG)
	PIC32MX320F128L	R	85	PIC32	128 + 12	16	AN1095[1]	0/0	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	2/0	2	2	–	–	–	✓	✓	–	$4.44	POR, BOR, LVD, WDT	TQFP (PT), XBGA (BG)
	PIC32MX340F128L	R	85	PIC32	128 + 12	32	AN1095[1]	4/0	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	2/0	2	2	–	–	–	✓	✓	–	$4.44	POR, BOR, LVD, WDT	TQFP (PT), XBGA (BG)
	PIC32MX564F064L	R	85	PIC32	64 + 12	32	AN1095[1]	4/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	4/0	5	6	OTG	–	1	✓	✓	–	$4.58	POR, BOR, LVD, WDT	TQFP (PT, PF), XBGA (BG)
	PIC32MX440F128L	R	85	PIC32	128 + 12	32	AN1095[1]	4/2	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	2/0	2	2	OTG	–	–	✓	✓	–	$4.70	POR, BOR, LVD, WDT	TQFP (PT), XBGA (BG)
	PIC32MX360F256L	R	85	PIC32	256 + 12	32	AN1095[1]	4/0	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	2/0	2	2	–	–	–	✓	✓	–	$4.79	POR, BOR, LVD, WDT	TQFP (PT), XBGA (BG)
	PIC32MX564F128L	R	85	PIC32	128 + 12	32	AN1095[1]	4/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	4/0	5	6	OTG	–	1	✓	✓	–	$4.82	POR, BOR, LVD, WDT	TQFP (PT, PF), XBGA (BG)
	PIC32MX664F064L	R	85	PIC32	64 + 12	32	AN1095[1]	4/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	4/0	5	6	OTG	10/100	–	✓	✓	–	$4.82	POR, BOR, LVD, WDT	TQFP (PT, PF), XBGA (BG)
	PIC32MX460F256L	R	85	PIC32	256 + 12	32	AN1095[1]	4/2	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	2/0	2	2	OTG	–	–	✓	✓	–	$5.05	POR, BOR, LVD, WDT	TQFP (PT), XBGA (BG)
	PIC32MX664F128L	R	85	PIC32	128 + 12	32	AN1095[1]	4/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	4/0	5	6	OTG	10/100	–	✓	✓	–	$5.05	POR, BOR, LVD, WDT	TQFP (PT, PF), XBGA (BG)
	PIC32MX764F128L	R	85	PIC32	128 + 12	32	AN1095[1]	4/6	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	4/0	5	6	OTG	10/100	1	✓	✓	–	$5.17	POR, BOR, LVD, WDT	TQFP (PT, PF), XBGA (BG)
	PIC32MX360F512L	R	85	PIC32	512 + 12	32	AN1095[1]	4/0	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	2/0	2	2	–	–	–	✓	✓	–	$5.25	POR, BOR, LVD, WDT	TQFP (PT), XBGA (BG)
	PIC32MX575F256L	R	85	PIC32	256 + 12	64	AN1095[1]	8/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	4/0	5	6	OTG	–	1	✓	✓	–	$5.43	POR, BOR, LVD, WDT	TQFP (PT, PF), XBGA (BG)
	PIC32MX460F512L	R	85	PIC32	512 + 12	32	AN1095[1]	4/2	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	2/0	2	2	OTG	–	–	✓	✓	–	$5.52	POR, BOR, LVD, WDT	TQFP (PT), XBGA (BG)
	PIC32MX675F256L	R	85	PIC32	256 + 12	64	AN1095[1]	8/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	4/0	5	6	OTG	10/100	–	✓	✓	–	$5.67	POR, BOR, LVD, WDT	TQFP (PT, PF), XBGA (BG)
	PIC32MX575F512L	R	85	PIC32	512 + 12	64	AN1095[1]	8/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	4/0	5	6	OTG	–	1	✓	✓	–	$5.89	POR, BOR, LVD, WDT	TQFP (PT, PF), XBGA (BG)
	PIC32MX775F256L	R	85	PIC32	256 + 12	64	AN1095[1]	8/8	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	4/0	5	6	OTG	10/100	2	✓	✓	–	$5.89	POR, BOR, LVD, WDT	TQFP (PT, PF), XBGA (BG)
	PIC32MX675F512L	R	85	PIC32	512 + 12	64	AN1095[1]	8/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	4/0	5	6	OTG	10/100	–	✓	✓	–	$6.13	POR, BOR, LVD, WDT	TQFP (PT, PF), XBGA (BG)
	PIC32MX775F512L	R	85	PIC32	512 + 12	64	AN1095[1]	8/8	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	4/0	5	6	OTG	10/100	2	✓	✓	–	$6.36	POR, BOR, LVD, WDT	TQFP (PT, PF), XBGA (BG)
	PIC32MX695F512L	R	85	PIC32	512 + 12	128	AN1095[1]	8/4	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	4/0	5	6	OTG	10/100	–	✓	✓	–	$6.61	POR, BOR, LVD, WDT	TQFP (PT, PF), XBGA (BG)
	PIC32MX795F512L	R	85	PIC32	512 + 12	128	AN1095[1]	8/8	2.3V–3.6V	80	8 MHz, 32 kHz	–	16 ch	2	5/5/5	5/1	4/0	5	6	OTG	10/100	2	✓	✓	–	$6.83	POR, BOR, LVD, WDT	TQFP (PT, PF), XBGA (BG), VTLA (TL)

Note 1: See Application Note "AN1095: Emulating Data EEPROM".

THERMAL MANAGEMENT: Temperature Sensors

Product	Description	# Temps. Monitored	Typical/Max Accuracy (°C)	Temp. Range (°C)	Vcc Range (V)	Typical Supply Current (µA)	Alerts	Resistance Error Correction	Beta Compensation	Packages
MCP9501/2/3/4	Temperature Switch replacing MAX6501/2/3/4	1	1.0/3.0	–40 to +125	+2.7 to +5.5	25	–	–	–	5-pin SOT-23
MCP9509/10	Resistor-Programmable Temperature Switch	1	0.5/3.5	–40 to +125	+2.7 to +5.5	30	–	–	–	5-pin SOT-23
MCP9800/1/2/3	SMBus/I²C™ Temperature Sensor	1	0.5/1.0	–55 to +125	+2.7 to +5.5	200	1	–	–	5-pin SOT-23
MCP9804	SMBus/I²C Temperature Sensor	1	0.25/1.0	–40 to +125	+2.7 to +5.5	200	1	–	–	8-pin DFN, 8-pin MSOP
MCP9808	SMBus/I²C Temperature Sensor	1	0.25/0.5	–40 to +125	+2.7 to +5.5	200	1	–	–	8-pin DFN, 8-pin MSOP
MCP98243	SMBus/I²C Temperature Sensor with EEPROM	1	0.5/3.0	–40 to +125	+3.0 to +3.6	200	1	–	–	8-pin DFN, 8-pin TDFN, 8-pin TSSOP, 8-pin UDFN
MCP9843	SMBus/I²C JEDEC Temperature Sensor	1	0.5/3.0	–40 to +125	+3.0 to +3.6	200	1	–	–	8-pin DFN, 8-pin TDFN, 8-pin TSSOP
TCN75A	SMBus/I²C Temperature Sensor	1	0.5/3.0	–40 to +125	+2.7 to +5.5	200	1	–	–	8-pin MSOP, 8-pin SOIC 150mil
MCP9700/01	Linear Active Thermistor IC	1	1.0/4.0	–40 to +150	+2.3 to +5.5	6	–	–	–	3-pin SOT-23, 3-pin TO-92, 5-pin SC-70
MCP9700/01A	Linear Active Thermistor IC	1	1.0/2.0	–40 to +150	+2.3 to +5.5	6	–	–	–	3-pin SOT-23, 3-pin TO-92, 5-pin SC-70
EMC1033	SMBus/I²C Multi Temperature Sensor	3	1.0/3.0	–40 to +125	+3.0 to +3.6	50	2	✓	–	8-pin MSOP
EMC1043	SMBus/I²C Multi Temperature Sensor	3	0.5/1.0	–40 to +125	+3.0 to +3.6	105	–	✓	Configurable	8-pin MSOP
EMC1046	SMBus/I²C Multi Temp Sensor with Hottest of Zones	6	0.25/1.0	–40 to +125	+3.0 to +3.6	395	–	✓	Automatic	10-pin MSOP
EMC1047	SMBus/I²C Multi Temp Sensor with Hottest of Zones	7	0.25/1.0	–40 to +125	+3.0 to +3.6	395	–	✓	Automatic	10-pin MSOP
EMC1412/3/4	SMBus/I²C Multi Temperature Sensor	2/3/4	0.25/1.0	–40 to +125	+3.0 to +3.6	430	2	✓	Automatic	8-pin TDFN, 8-pin MSOP, 10-pin DFN, 10-pin MSOP
EMC1422/3/4	SMBus/I²C Multi Temp Sensor with Shutdown	2/3/4	0.25/1.0	–40 to +125	+3.0 to +3.6	430	1	✓	Automatic	8-pin MSOP, 10-pin MSOP
EMC1428	SMBus/I²C Multi Temp Sensor with Hottest of Zones	8	0.25/1.0	–40 to +125	+3.0 to +3.6	450	1	✓	Automatic	16-pin QFN

THERMAL MANAGEMENT: Fan Controllers

Product	Description	# Fan Drivers	PWM/Linear Control	# External Temp. Inputs	Typical Accuracy	Tpyical/Max. Accuracy	Vcc Range (V)	Interface	Alerts	Fan Speed Lookup Table	Packages
EMC2101	Programmable Fan Controller with Thermal Mgt	1	PWM	2	0.5	0.5/1.0	+3.0 to +3.6	SMBus/I²C™	✓	✓	8-pin MSOP, 8-pin SOIC
EMC2300	Programmable Multi-Fan Controller with Thermal Mgt	3	PWM	3	0.25	0.25/3.0	+3.0 to +3.6	SMBus/I²C	✓	✓	16-pin SSOP
EMC2112	Programmable Fan Controller with Thermal Mgt	1	Linear	3	0.25	0.25/1.0	+3.3 and +5	SMBus/I²C	✓	✓	20-pin QFN
EMC2103-1	Programmable Fan Controller with Thermal Mgt	1	PWM	1	0.5	0.5/1.0	+3.0 to +3.6	SMBus/I²C	✓	✓	12-pin QFN
EMC2103-4	Programmable Fan Controller with EEPROM Load	1	PWM	3	0.5	0.5/1.0	+3.0 to +3.6	SMBus/I²C	✓	✓	16-pin QFN
EMC2104	Programmable Multi-Fan Controller with Thermal Mgt	2	PWM	4	0.25	0.25/1.0	+3.0 to +3.6	SMBus/I²C	✓	✓	20-pin QFN
EMC2105	Programmable Fan Controller with Thermal Mgt	1	Linear	4	0.25	0.25/1.0	+3.3 and +5	SMBus/I²C	✓	✓	20-pin QFN
EMC2113	Programmable Fan Controller with Thermal Mgt	1	PWM	3	0.5	0.5/1.0	+3.0 to +3.6	SMBus/I²C	✓	✓	16-pin QFN
EMC2301/2/3/5	Programmable Fan Controller	1 /2/3/5	PWM	–	–	–	+3.0 to +3.6	SMBus/I²C	✓	–	8-pin MSOP, 10-pin MSOP, 12-pin QFN, 16-pin QFN

POWER MANAGEMENT: Switching Regulators/PWM Controllers

Product	Input Voltage Range (V)	Output Voltage (V)	Operating Temp. Range (°C)	Control Scheme	Switching Frequency (kHz)	Typical Active Current (µA)	Output Current (mA)	Features	Packages
TC1303/04/13	2.7 to 5.5	DC/DC: 0.8 to 4.5 LDO: 1.5 to 3.3	–40 to +85	PFM/PWM	2000	65/600	DC/DC: 500 mA LDO: 300 mA	Synchronous Buck Regulator, LDO w/Power Good with PFM/PWM auto-switching, Power Good output or Power Sequencing	MSOP, DFN
MCP1602/3	2.7 to 5.5	0.8 to 4.5 /4.0	–40 to +85	PFM/PWM	2000	35/45	500	Synchronous Buck Regulator PFM, PWM auto-switching, UVLO, Soft-start, Power Good indicator, Over-temperature/current protection	MSOP, DFN, TSOT
MCP1630/1631/V/ HV/VHV	3.0 to 16	–	–40 to +125	PWM	1000/2000	2800/3700	Ext	Current/Voltage mode PWM controllers. Options with integrated 16V LDO, Integrated error amplifier, Current and voltage sense amplifier, Overvoltage comparator and integrated MOSFET driver	MSOP, SSOP, TSSOP, DFN
MCP19035	4.5 to 30	–	–40 to +125	PWM	300	6000	Ext	Voltage mode PWM synchronous buck controller. Integrates LDO, error amplifer, current and voltage sense, UVLO/OVLO/MOSFET Dead Time adj, and MOSFET Drivers	DFN
MCP1640/B/C/D	0.65 to 6	2.0 to 5.5	–40 to +85	PWM or PWM/PFM	500	19	350	Integrated synchronous boost regulator, –0.65V start-up voltage, Soft-start, True load disconnect or input-to-output bypass option	SOT-23, DFN
MCP1650/1/2/3	2.7 to 5.5	2.5 to ext. tx limited	–40 to +125	Constant Frequency	750	120	560/440	Step-up DC/DC Controller with shutdown control, Low battery detect, Power Good indicator, UVLO, Soft start	MSOP
MCP16301	4.0 to 30	2.0 to 15	–40 to +85	PWM	500	2000	600	Integrated N-channel, UVLO, Soft-start, Over-temperature protection	SOT-23
MCP16321	6 to 24	0.9 to 5	–40 to +125	PWM/PFM	1000	2300	1000	Integrated switches, Internal compensation, Peak current mode control, Soft-start, UVLO, Power Good pin	QFN
MCP16322	6 to 24	0.9 to 5	–40 to +125	PWM/PFM	1000	2300	2000	Integrated switches, Internal compensation, Peak current mode control, Soft-start, UVLO, Power Good pin	QFN
MCP16323	6 to 18	0.9 to 5	–40 to +125	PWM/PFM	1000	2300	3000	Integrated switches, Internal compensation, Peak current mode control, Soft-start, UVLO, Power Good pin	QFN

POWER MANAGEMENT: Hybrid PWM Controllers

Product	Input Voltage Range (V)	Output Voltage (V)	Operating Temp. Range (°C)	Topologies Supported	Integrated MCU	Program Memory Size (kWords)	RAM (bytes)	Features	Packages
MCP19111	4.5 to 32	–	–40 to +125	Buck	✓	4	256	Synchronous buck controller, Integrated MCU, LDO, and synchronous MOSFET driver, User configurable/programmable including MOSFET dead time, Switching frequency, Analog loop compensation, and protection thresholds	QFN

POWER MANAGEMENT: Power MOSFETs

Product	Vds (V)	Configuration	Polarity	Rds (on) @ 4.5V (mΩ, Max.)	Rds (on) @ 10V (mΩ, Max.)	Qg @ 4.5V (nC, Max.)	Id (A, Max. @ 25°C, Tcase)	Vgs (th) (V, Min.)	Qgd (nC, Typ.)	Rg (Ω Typ.)	Package
MCP87018	25	Single	–	2.2	1.9	37	100	1	13	1.5	5 x 6 PDFN
MCP87022	25	Single	–	2.6	2.3	29	100	1	9	1.3	5 x 6 PDFN
MCP87030	25	Single	–	4	3.5	22	100	1	6.7	1.2	5 x 6 PDFN
MCP87050	25	Single	–	6	5	15	100	1	4.7	1.1	5 x 6 PDFN
MCP87055	25	Single	–	7	6	14	60	1	4.5	2.1	3.3 x 3.3 PDFN
MCP87090	25	Single	–	12	10.5	10	64	1.1	2.8	1.8	5 x 6 PDFN, 3.3 x 3.3 PDFN
MCP87130	25	Single	–	16.5	13.5	8	54	1.1	2.6	1.7	5 x 6 PDFN, 3.3 x 3.3 PDFN

POWER MANAGEMENT: Linear Regulators

Product	Max. Input Voltage (V)	Output Voltage (V)	Output Current (mA)	Typical Active Current (µA)	Typical Dropout Voltage @ Max. I_{OUT} (mV)	Typical Output Voltage Accuracy (%)	Features	Packages
TC1016/17	6	1.8 to 4.0	80/150	53	150/285	±0.5	Shutdown	SOT-23A, SC70
TC1301A/B	6	1.5 to 3.3	LD01: 300 LD02: 150	103/114	LD01: 104 LD02: 150	±0.5	Dual LDO plus Reset output, Shutdown, Reference bypass, Voltage detect	MSOP, DFN
TC1302AB	6	1.5 to 3.3	LD01: 300 LD02: 150	103/114	LD01: 104 LD02: 150	±0.5	Dual LDO, Shutdown, Reference bypass, Voltage detect	MSOP, DFN
TC2014/5, TC2185	6	1.8 to 5.0	50/100/150	55	45/90/140	±0.4	Shutdown, Reference bypass input	SOT-23A
TC2054/5, TC2186	6	1.8 to 5.0	50/100/150	55	45/90/140	±0.4	Shutdown, Error output	SOT-23A
MCP1700	6	1.2 to 5.0	250	1.6	300	±0.4	Very low I_Q	SOT-23A, SOT-89, TO-92
MCP1702/3 /3A	13.2/16/16	1.2 to 5.0	250	2	330/625/625	±0.4	Very low I_Q	DFN, TO-92, SOT-23A, SOT-89, SOT-223
MCP1725/6/7	6	0.8 to 5.0	500/1000/1500	120/140/140	210/300/330	±0.5	Shutdown, C_{DELAY}, Power Good	SOIC, DFN
MCP1754/S	16	1.8 to 5.5	150	56	300	±0.4	Power Good, Shutdown	DFN, SOT-23A, SOT-89, SOT-223
MCP1790/1	30	3.0, 3.3, 5.0	70	70	500	±0.2	Load dump, Shutdown, Power Good	SOT-223, DDPAK
MCP1801/2	10	0.9 to 6.0	150/300	25	250/800	±0.4	Shutdown, High PSRR	SOT-23A
MCP1804	28	1.8 to 18	150	50	300	±0.5	Shutdown, High PSRR	SOT-23, SOT-89, SOT-223
MCP1824/5/6/7	6	0.8 to 5.0	300/500/1000/1500	120/120/140/140	200/210/300/330	±0.5	Fixed and Adjustable output, Shutdown, Power Good	SOT-23, SOT-223, TO-220, DDPAK
MCP1824S/5S/6S/7S	6	0.8 to 5.0	300/500/1000/1500	120/120/140/140	200/210/300/330	±0.5	3-pin high current LDOs	SOT-223, TO-220, DDPAK

POWER MANAGEMENT: Charge Pump DC-to-DC Converters

Product	Input Voltage Range (V)	Output Voltage (V)	Operating Temp. Range (°C)	Max. Input Current (µA)	Typical Output Current (mA)	Features	Packages
TC1044S	1.5 to 12	$-V_{IN}$ or $2*V_{IN}$	–40 to +85	160	20	85 kHz oscillator Boost mode	PDIP, SOIC
TC7660	1.5 to 10	$-V_{IN}$ or $2*V_{IN}$	–40 to +85	180	20	10 kHz oscillator	PDIP, SOIC
TC7660H	1.5 to 10	$-V_{IN}$ or $2*V_{IN}$	–40 to +85	1000	20	120 kHz oscillator	PDIP, SOIC
TC7660S	1.5 to 12	$-V_{IN}$ or $2*V_{IN}$	–40 to +85	160	20	45 kHz oscillator Boost mode	PDIP, SOIC
TC7662B	1.5 to 15	$-V_{IN}$ or $2*V_{IN}$	–40 to +85	180	20	35 kHz oscillator Boost mode	PDIP, SOIC
TC7662A	3.0 to 18	$-V_{IN}$ or $2*V_{IN}$	–40 to +85	200	40	12 kHz oscillator	PDIP, SOIC
MCP1256	1.8 to 3.6	3.3	–40 to +85	100	100	Power Good Sleep mode	MSOP, DFN
MCP1257	1.8 to 3.6	3.3	–40 to +85	100	100	Sleep mode low battery indication	MSOP, DFN
MCP1258	1.8 to 3.6	3.3	–40 to +85	100	100	Low battery indication input/output bypass 1	MSOP, DFN

POWER MANAGEMENT: CPU/System Supervisors

Product	Description	Operating Temp. Range (°C)	Features	Packages
MCP11(1/2) TC (1/2/3/4)	System Voltage Detectors (No Reset Delay)	–40 to +125 –40 to +85	Wide V_{CC} input range, Wide detection range (custom options available), Low current, CMOS/Push-Pull active low reset options	5-SOT-23, 3-TO-92, 3-SOT-23A, 3-SOT-89, 3-SC70
MCP809, MCP100, MCP130, MCP120 MCP13XX, TC1270A and more	System Voltage Supervisors (Available Reset Delays)	–40 to +125 –40 to +85	Wide detection range (custom options available), Low current, Push-Pull/Open Drain, Active high/low, Watchdog, Manual reset, Dual output options, Multiple reset delay options	8-SOIC (150 mil), 5-SOT-23, 4-SOT-143, 3-TO-92, 3-SOT-23, 5-SC70

POWER MANAGEMENT: Power MOSFET Drivers

Product	Configuration	Operating Temp. Range (°C)	Peak Output Current (A)	Output Resistance (Max. @ 25°C)	Max Supply Voltage (V)	Input/Output Delay (ns)	Packages
MCP1401/02 Single	Inverting/Non-inverting	–40 to +125	0.5	18/16	18	40/40	SOT-23
MCP1415/16 Single	Inverting/Non-inverting	–40 to +125	1.5	7.5/5.5	18	50/55	SOT-23
TC4467/8/9 Quad	Inverting/ Non-inverting	–40 to +85	1.2	15/15	18	40/40	PDIP, SOIC
TC4426A/27A/28A Dual	Inverting/Non-inverting	–40 to +125	1.5	9/9	18	30/30	PDIP, SOIC, DFN
TC4423A/24A/25A Dual	Inverting/Non-inverting	–40 to +125	3	3 (typ.)/4 (typ.)	18	40 (typ.)/40 (typ.)	PDIP, SOIC, DFN
MCP14E3/E4/E5 Dual	Inverting/Non-inverting	–40 to +125	4	3.5/3.0	18	55/55	PDIP, SOIC, DFN
MCP14E6/E7/E8 Dual	Inverting/Non-inverting/Inverting and Non-inverting	–40 to +125	2	2.2/2.8	18	45/45	PDIP, SOIC, DFN
MCP14E9/E10/E11 Dual	Inverting/Non-inverting/Inverting and Non-inverting	–40 to +125	3	2.2/2.8	18	75/75	PDIP, SOIC, DFN
MCP1406/07 Single	Inverting/Non-inverting	–40 to +125	6	1.8/2.0 (typ.)	18	30/30	TO-220, PDIP, SOIC, DFN
TC4420/29	Inverting/Non-inverting	–40 to +125	6	2.8/2.5	18	55/55	TO-220, PDIP, SOIC, DFN
TC4421A/22A Single	Inverting /Non-inverting	–40 to +125	9	1.25 (typ.)/1.5	18	38/42	TO-220, PDIP, SOIC, DFN
TC4451/52 Single	Inverting /Non-inverting	–40 to +125	12	0.6 (typ.)/1.5	18	15/15	TO-220, PDIP, SOIC, DFN, DDPAK
TC4431/32 Single	Inverting /Non-inverting	–40 to +85	1.5	10/10	30	62/78	PDIP, SOIC

POWER MANAGEMENT: Synchronous Buck High-Side Driver

Product	Configuration	Operating Temp Range (°C)	Peak Output Current (A)	Output Resistance (Max.@ 25°C)	Max Supply Voltage (V)	Input/Output Delay (ns)	Packages
MCP14700/14628	Dual input/Single input	–40 to +85	2	2.5/2.5	5 (V_{DD}), 36 (Boot Pin)	18/20	SOIC, DFN

POWER MANAGEMENT: Battery Chargers

Product	Mode	Cell Type	# of Cells	V_{CC} Range (V)	Cell Voltage (V)	Max. Charging Current (mA)	Max. Voltage Regulation (%)	Int/Ext FET	Features	Packages
MCP73113/14/23	Linear	Li-ion/Li-Polymer and LiFePO4	1	4 to 16	3.6, 4.1, 4.2, 4.35, 4.4	1100	±0.5	Int	6.5/5.8V Overvoltage protection, UVLO, Thermal regulation	10-pin 3 × 3 DFN
MCP73213/23	Linear	Li-ion/Li-Polymer and LiFePO4	2	4 to 16	7.2, 8.2, 8.4, 8.7, 8.8	1100	±0.6	Int	13V Overvoltage protection	10-pin 3 × 3 DFN
MCP73830/L	Linear	Li-ion/Li-Polymer	1	3.75 to 6	4.2	1000/200	±0.75	Int	Soft-start, Charge enable pin	6-pin 2 × 2 TDFN
MCP73831/2	Linear	Li-Ion/Li-Polymer	1	3.7 to 6.0	4.2, 4.35, 4.4, 4.5	500	±0.75	Int	UVLO, Thermal regulation, Programmable charge current, Tri-state or open-drain STAT pin	8-pin 2 × 3 DFN, 5-pin SOT-23
MCP73837/8	Linear	Li-Ion/Li-Polymer	1	3.7 to 6.0	4.2, 4.35, 4.4, 4.5	1000	±0.75	Int	Dual input (USB/DC) auto-switching, Thermistor input, Power Good output or Timer enable input	10-pin MSOP, 10-pin 3 × 3 DFN
MCP73871	Linear	Li-Ion/Li-Polymer	1	3.75 to 6.0	4.1, 4.2, 4.35, 4.4	1500 (A/C Adapter) 500 (USB)	±0.5	Int	Simultaneous charging of load and battery, Load-dependent charging, Multiple programmable charge currents	20-pin 4 × 4 QFN

LINEAR: Op Amps

Product	# per Package	GBWP (MHz)	I_Q Typical (µA)	V_{OS} Max (mV)	Operating Voltage (V)	Packages
MCP661/2/3/4/5/9	1/2/1/4/2/4	60	6000	8	2.5 to 5.5	SOIC, MSOP, DFN, TSSOP, QFN, SOT
MCP651/1S/2/3/4/5/9	1/1/2/1/4/2/4	50	6000	0.2	2.5 to 5.5	SOIC, MSOP, DFN, TSSOP, QFN, SOT
MCP631/2/3/4/5/9	1/2/1/4/2/4	24	2500	8	2.5 to 5.5	SOIC, MSOP, DFN, TSSOP, QFN, SOT
MCP621/1S/2/3/4/5/9	1/1/2/1/4/2/4	20	2500	0.2	2.5 to 5.5	SOIC, MSOP, DFN, TSSOP, QFN, SOT
MCP6H91/2/4	1/2/4	10	2000	4	3.5 to 12.0	DFN, SOIC, TSSOP
MCP6021/2/3/4	1/2/1/4	10	1000	0.5	2.5 to 5.5	PDIP, SOIC, MSOP, TSSOP, SOT
MCP6291/2/3/4/5	1/2/1/4/2	10	1000	3	2.4 to 6.0	PDIP, SOIC, MSOP, TSSOP, SOT
MCP6491	1	7.5	530	1	2 to 5.5	SOT, SC70
MCP6H81/2/4	1/2/4	5.5	700	4	3.5 to 12.0	DFN, SOIC, TSSOP
MCP6281/2/3/4/5	1/2/1/4/2	5	445	3	2.2 to 6.0	PDIP, SOIC, MSOP, TSSOP, SOT
MCP6481	1	4	240	1	2 to 5.5	SOT, SC70
MCP6286	1	3.5	540	1.5	2.2 to 5.5	SOT
MCP601/2/3/4	1/2/1/4	2.8	230	2	2.7 to 6.0	PDIP, SOIC, TSSOP, SOT
MCP6H71/2/4	1/2/4	2.7	480	4	3.5 to 12.0	DFN, SOIC, TSSOP
MCP6271/2/3/4/5	1/2/1/4/2	2	170	3	2.0 to 6.0	PDIP, SOIC, MSOP, TSSOP, SOT
MCP6471	1	2	100	1	2 to 5.5	SOT, SC70
MCP6V01/2/3	1/2/1	1.3	300	0.002	1.8 to 5.5	SOIC, DFN, TDFN
MCP6V06/7/8	1/2/1	1.3	300	0.003	1.8 to 5.5	SOIC, DFN, TDFN

Product	# per Package	GBWP (MHz)	I_Q Typical (µA)	V_{OS} Max (mV)	Operating Voltage (V)	Packages
MCP6V26/7/8	1/2/1	2	620	0.002	2.3 to 5.5	SOIC, MSOP, DFN
MCP6071/2/4	1/2/4	1.2	110	0.15	1.8 to 6.0	SOIC, TSSOP, DFN, SOT
MCP6H01/2/4	1/2/4	1.2	135	4.5	3.5 to 16	SOIC, TSSOP, TDFN, SOT, SC70
MCP6001/2/4	1/2/4	1	100	4.5	1.8 to 6.0	PDIP, SOIC, MSOP, TSSOP, TDFN, SOT, SC70
MCP6401/2/4	1/2/4	1	45	4.5	1.8 to 6.0	SOIC, TSSOP, TDFN, SOT, SC70
MCP6061/2/4	1/2/4	0.73	60	0.15	1.8 to 6.0	SOIC, TSSOP, DFN, SOT
MCP6241/2/4	1/2/4	0.55	50	5	1.8 to 5.5	PDIP, SOIC, MSOP, TSSOP, TDFN, SOT, SC70
MCP6051/2/4	1/2/4	0.385	30	0.15	1.8 to 6.0	SOIC, TSSOP, DFN, SOT
MCP6V31	1	0.3	23	0.008	1.8 to 5.5	SOT, SC70
MCP6231/2/4	1/2/4	0.3	20	5	1.8 to 6.0	PDIP, SOIC, MSOP, TSSOP, TDFN, SOT, SC70
MCP616/7/8/9	1/2/1/4	0.19	19	0.15	2.3 to 5.5	PDIP, SOIC, MSOP, TSSOP
MCP606/7/8/9	1/2/1/4	0.155	19	0.25	2.5 to 6.0	PDIP, SOIC, TSSOP, SOT
MCP6141/2/3/4	1/2/1/4	0.1	0.6	3	1.4 to 6.0	PDIP, SOIC, MSOP, TSSOP, SOT
MCP6V11	1	0.08	7.5	0.008	1.6 to 5.5	SOT, SC70
MCP6041/2/3/4	1/2/1/4	0.014	0.6	3	1.4 to 6.0	PDIP, SOIC, MSOP, TSSOP, SOT
MCP6031/2/3/4	1/2/1/4	0.01	0.9	0.15	1.8 to 5.5	SOIC, MSOP, TSSOP, DFN, SOT
MCP6441/2/4	1/2/4	0.009	0.45	4.5	1.4 to 6.0	SOIC, MSOP, TSSOP, SOT, SC70

LINEAR: Comparators

Product	# per Package	Typical Propagation Delay (µs)	I_Q Typical (µA)	V_{OS} Max (mV)	Operating Voltage (V)	Temperature Range (°C)	Features	Packages
MCP6541/2/3/4	1/2/1/4	4	1	5	1.6 to 5.5	–40 to +125	Push-Pull, Rail-to-Rail Input/Output	PDIP, SOIC, MSOP, TSSOP, SOT, SC70
MCP6546/7/8/9	1/2/1/4	4	1	5	1.6 to 5.5	–40 to +125	Open-drain, 9V, Rail-to-Rail Input/Output	PDIP, SOIC, MSOP, TSSOP, SOT, SC70
MCP65R41/6	1	4	2.5	10	1.8 to 5.5	–40 to +125	Integrated V_{REF} (1.21V or 2.4V)	SOT-23
MCP6561/2/4	1/2/4	0.047	100	10	1.8 to 5.5	–40 to +125	Push-Pull, Rail-to-Rail Input/Output	SOIC, MSOP, TSSOP, SOT, SC70
MCP6566/7/9	1/2/4	0.047	100	10	1.8 to 5.5	–40 to +125	Open-Drain, Rail-to-Rail Input/Output	SOIC, MSOP, TSSOP, SOT, SC70

MIXED SIGNAL: Successive Approximation Register (SAR) Analog-to-Digital Converters

Product	Resolution (bits)	Maximum Sampling Rate (ksamples/sec)	# of Input Channels	Input Type	Interface	Max. Supply Current (µA)	Temperature Range (°C)	Packages
MCP3021/3221	10/12	22	1	Single-ended	I²C™	250	–40 to +125	SOT-23A
MCP3001/2/4/8	10	200	1/2/4/8	Single-ended	SPI	500-550	–40 to +85	PDIP, SOIC, MSOP, TSSOP
MCP3201/2/4/8	12	100	1/2/4/8	Single-ended	SPI	400-550	–40 to +85	PDIP, SOIC, MSOP, TSSOP
MCP3301/2/4	13	100	1/2/4	Differential	SPI	450	–40 to +85	PDIP, SOIC, MSOP, TSSOP

MIXED SIGNAL: Digital-to-Analog Converters

Product	Resolution (Bits)	DAC Channels	Interface	Voltage Reference	Output Settling Time (µs)	DNL (±LSB)	Typical Operating Current (µA)	Temperature Range (°C)	Packages
MCP47DA1	6	1	I²C™	V_{DD}	6	0.25	130	–40 to +125	SOT-23
MCP4706/16/26	8/10/12	1	I²C	Ext	6	0.05/0.188/0.75	210	–40 to +125	SOT-23
MCP4725	12	1	I²C	V_{DD}	6	0.75	175	–40 to +125	SOT-23
MCP4728	12	4	I²C	Int	6	0.75	250	–40 to +125	MSOP
MCP4801/11/21	8/10/12	1	SPI	Int	4.5	0.5/0.5/0.75	330	–40 to +125	PDIP, SOIC, MSOP, 2x3 DFN
MCP4802/12/22	8/10/12	2	SPI	Int	4.5	0.5/0.5/0.75	415	–40 to +125	MSOP, PDIP, SOIC
MCP4901/11/21	8/10/12	1	SPI	Ext	4.5	0.5/0.5/0.75	175	–40 to +125	PDIP, SOIC, MSOP, 2x3 DFN
MCP4902/12/22	8/10/12	2	SPI	Ext	4.5	0.5/0.5/0.75	350	–40 to +125	PDIP, SOIC, TSSOP
TC1320/1	8/10	1	SMbus	Ext	10	0.8/2	350	–40 to +85	MSOP, SOIC

MIXED SIGNAL: Energy Measurement ICs

Product	Dynamic Range	Typical Accuracy	ADC Channels	Gain Selection	Output Type	Typical Supply Current (mA)	Analog Voltage Range (V)	Digital Voltage Range (V)	Temperature Range (°C)	Packages
MCP3911	24-bit resolution	94.5 dB SINAD	2	up to 32	SPI	1.7	2.7 to 3.6	2.7 to 3.6	–40 to +125	SSOP, QFN
MCP3903	24-bit resolution	91 dB SINAD	6	up to 32	SPI	8.3	4.5 to 5.5	2.7 to 3.6	–40 to +125	SSOP
MCP3905A/06A	500:1 /1000:1	0.1%	2	up to 32	Active power pulse	3.9	4.5 to 5.5	4.5 to 5.5	–40 to +125	SSOP
MCP3909	1000:1	0.1%	2	up to 16	Active power pulse/SPI	3.9	4.5 to 5.5	4.5 to 5.5	–40 to +125	SSOP

MIXED SIGNAL: Current/DC Power Measurement ICs

Product	# Current Sensors	Description	Full Scale Range (mV)	Current Measurement Max. Accr. (%)	Effective Sampling Interval Min. to Max. (msec)	Bus Voltage Range (V)	# Temp. Monitors (ambient, remote)	Temp. Accuracy Typ./Max. (°C)	Alert/ Therm.	Peak Detection	Interface	Packages
PAC1710	1	Current/DC Power Sensor	10, 20, 40, 80	±1	2.5 to 2600	0 to +40	N/A	N/A	1	–	SMBus/I²C™	10-pin DFN
PAC1720	2	Dual Current/ DC Power Sensor	10, 20, 40, 80	±1	2.5 to 2600	0 to +40	N/A	N/A	1	–	SMBus/I²C	10-pin DFN
EMC1701/2/4	1	Current/DC Power Sensor with Temperature Monitoring	10, 20, 40, 80	±1	2.5 to 2600	+3 to +24	1, 0/1/3	±0.25/±1.0	2	✓	SMBus/I²C	12-pin QFN, 10-pin MSOP, 16-pin QFN, 14-pin SOIC

MIXED SIGNAL: Digital Potentiometers

Product	# of Taps	Memory	Channels	Interface	Resistance (kΩ)	Temperature Range (°C)	Packages
MCP4011/12/13/14	64	Volatile	1	Up/Down	2.1, 5, 10, 50	–40 to +125	DFN, SOT-23
MCP4017/18/19	128	Volatile	1	I²C™	5, 10, 50, 100	–40 to +125	SC70
MCP40D17/D18/D19	128	Volatile	1	I²C	5, 10, 50, 100	–40 to +125	SC70
MCP4021/22/23/24	64	Nonvolatile	1	Up/Down	2.1, 5, 10, 50	–40 to +125	DFN, SOT-23
MCP4141/42	128	Nonvolatile	1	SPI	5, 10, 50, 100	–40 to +125	MSOP, QFN, DFN
MCP4241/42	128	Nonvolatile	2	SPI	5, 10, 50, 100	–40 to +125	MSOP, QFN, DFN
MCP4131/32	128	Volatile	1	SPI	5, 10, 50, 100	–40 to +125	QFN, DFN
MCP4231/32	128	Volatile	2	SPI	5, 10, 50, 100	–40 to +125	MSOP, QFN, DFN
MCP4151/52	256	Volatile	1	SPI	5, 10, 50, 100	–40 to +125	MSOP, QFN, DFN
MCP4161/62	256	Nonvolatile	1	SPI	5, 10, 50, 100	–40 to +125	MSOP, QFN, DFN
MCP4251/52	256	Volatile	2	SPI	5, 10, 50, 100	–40 to +125	MSOP, QFN, DFN
MCP4261/62	256	Nonvolatile	2	SPI	5, 10, 50, 100	–40 to +125	MSOP, QFN, DFN
MCP4341/42	129	Nonvolatile	4	SPI	5, 10, 50, 100	–40 to +125	TSSOP, QFN
MCP4361/62	257	Nonvolatile	4	SPI	5, 10, 50, 100	–40 to +125	TSSOP, QFN

Product	# of Taps	Memory	Channels	Interface	Resistance (kΩ)	Temperature Range (°C)	Packages
MCP4331/32	129	Volatile	4	SPI	5,10,50,100	–40 to +125	TSSOP, QFN
MCP4351/52	257	Volatile	4	SPI	5,10,50,100	–40 to +125	TSSOP, QFN
MCP4431/32	129	Volatile	4	I²C	5, 10, 50, 100	–40 to +125	TSSOP, QFN
MCP4441/42	129	Nonvolatile	4	I²C	5, 10, 50, 100	–40 to +125	TSSOP, QFN
MCP4451/52	257	Volatile	4	I²C	5, 10, 50, 100	–40 to +125	TSSOP, QFN
MCP4461/62	257	Nonvolatile	4	I²C	5, 10, 50, 102	–40 to +125	TSSOP, QFN
MCP4531/32	128	Volatile	1	I²C	5, 10, 50, 100	–40 to +125	MSOP, DFN
MCP4631/32	128	Volatile	2	I²C	5, 10, 50, 100	–40 to +125	MSOP, DFN
MCP4541/42	128	Nonvolatile	1	I²C	5, 10, 50, 100	–40 to +125	MSOP, DFN
MCP4641/42	128	Nonvolatile	2	I²C	5, 10, 50, 100	–40 to +125	MSOP, DFN
MCP4551/52	256	Volatile	1	I²C	5, 10, 50, 100	–40 to +125	MSOP, DFN
MCP4651/52	256	Volatile	2	I²C	5, 10, 50, 100	–40 to +125	MSOP, DFN
MCP4561/62	256	Nonvolatile	1	I²C	5, 10, 50, 100	–40 to +125	MSOP, DFN
MCP4661/62	256	Nonvolatile	2	I²C	5, 10, 50, 100	–40 to +125	MSOP, DFN

MIXED SIGNAL: Delta Sigma Analog-to-Digital Converters

Product	Resolution (bits)	Maximum Sampling Rate (samples/sec)	# of Input Channels	Interface	Typical Supply Current (µA)	Temperature Range (°C)	Features	Packages
MCP3421/2/3/4	18 to 12	4 to 240	1/2/2/4 Diff	I²C™	155	–40 to +125	PGA, V_{REF}	SOIC, TSSOP, MSOP, DFN, SOT
MCP3425/6/7/8	16 to 12	15 to 240	1/2/2/4 Diff	I²C	155	–40 to +125	PGA, V_{REF}	SOIC, TSSOP, MSOP, DFN, SOT
MCP3550/1/3	22	13/14/60	1 Diff	SPI	120	–40 to +125	50 & 60 Hz Rejection	SOIC, MSOP

INTERFACE: Controller Area Network (CAN), Infrared, LIN Transceivers, Ethernet, Serial Peripherals, USB

Product	Description	Operating Temperature Range (°C)	Other Features	Packages
MCP2515	Stand-alone CAN controller with SPI Interface	–40 to +125	3 T_X Buffers, 2 R_X Buffers, 6 Filters, 2 Masks, Interrupt output, MCP2510 upgrade	PDIP, SOIC, TSSOP, QFN
MCP2551	CAN (Controller Area Network), High-speed CAN transceiver	–40 to +125	1 Mbps max. CAN bus speed, ISO11898 compatible, Industry standard pinout	PDIP, SOIC
MCP200(3/4)A, MCP202(1/2)A, MCP2025, MCP2050	LIN (Local Interconnect Network) transceivers	–40 to +125	Product options: Stand-alone transceiver, intergrated V_{REG} = 3.3V or 5V @ 70 mA, integrated WWDT, integrated ratio-metric battery monitor. V_{CC} Range = 6 to 18 V, Max Baud Rate = 20 Kbaud, Compliant with LIN 1.3, 2.0 2.1, SAE J2602, Automotive grade	PDIP, SOIC, TSSOP, DFN, QFN
MCP23X09/18	8-bit I/O port expander, 16-bit I/O port expander	–40 to +125	I²C™ (up to 3.4 MHz) or SPI (up to 10 MHz) interface, 25 mA source/sink per I/O	PDIP, SDIP, SOIC, SSOP
MCP212(0/2), MCP2140A, MCP215(0/5)	Infrared IrDA encoders, Decoders, Protocol handlers	–40 to +85	UART to IR encoder/decoder w/hardware & software baud rate selection, IrDA® standard protocol handler plus encoder/decoder	PDIP, SDIP, SOIC, SSOP
MCP2200, MCP2210	USB Bridge Products: USB-to-UART, USB-to-SPI	–40 to +85	Supports full speed, USB 2.0 compliant, integrated PHY, T_X/R_X buffer size 64–128 bytes each, 8–9 GPIO, V_{DD} Range = 3.0 to 5.5V	SOIC, SSOP, QFN
ENC28J60	Stand-alone 10 Base-T Ethernet controller with SPI interface	–40 to +85	Ethernet controller, 8 KB RAM Buffer, Integrated 10 BASE-T PHY	SPDIP, SOIC, SSOP, QFN
ENC424J600	Stand-alone 10/100 Base-T Ethernet controller with SPI and parallel interface	–40 to +85	Ethernet controller, 24 KB RAM Buffer, Cryptographic Security Engine, 10/100 Base-T PHY	TQFP, QFN
ENC624J600	Stand-alone 10/100 Base-T Ethernet controller with SPI and parallel interface	–40 to +85	Ethernet controller, 24 KB RAM Buffer, Cryptographic Security Engine, 10/100 Base-T PHY	TQFP

INTERFACE: USB Port Power Controllers with Charger Emulation

Product	Description	USB Port Power Switch (55 mW)	Hi-Speed USB 2.0 Switch	Battery Charger Emulation Profiles	8 Resistor Set Current Limits	Indicator Output	Current Measurement	Interface	Packages
UCS1001-1/2	USB Port Power Controller with Charger Emulation	1	1	9	Up to 2.5A	Charging/Attach Detect	–	Discrete I/O	20-pin 4 × 4 QFN
UCS1002-1	Programmable USB Port Power Controller with Charger Emulation	1	1	9 plus 1 programmable	Up to 2.5A	Charging	✓	I²C™ /SMBus	20-pin 4 × 4 QFN

INTERFACE: mTouch™ AR1000 Resistive Touch Screen Controllers

Product	Type	Communication	Touch Screens Supported	A/D	Resolution	Power	Points per second	Operating Temp. Range (°C)	Static Protection	5 ku Pricing†	Special Features	Packages
AR1021	Analog Resistive	SPI, I²C™	All Manufacturers 4, 5 and 8 wire	Internal 10-bit Ratiometric	1024 × 1024	2.5V DC ±5% 5.5V DC ±5%	140 pps	–40 to +85	Per schematic	$1.32	Controller driven calibration & Universal for all touch screens	20-pin SSOP (SS), SOIC (SO), QFN (ML)
AR1011	Analog Resistive	UART	All Manufacturers 4, 5 and 8 wire	Internal 10-bit Ratiometric	1024 × 1024	2.5V DC ±5% 5.5V DC ±5%	140 pps	–40 to +85	Per schematic	$1.39	Controller driven calibration & Universal for all touch screens	20-pin SSOP (SS), SOIC (SO), QFN (ML)
AR1100	Analog Resistive	USB, UART	All Manufacturers 4, 5 and 8 wire	Internal 10-bit Ratiometric	1024 × 1024	3.3V DC ±5% 5.5V DC ±5%	150 pps	–40 to +85	Per schematic	$1.61	Controller driven calibration & Universal for all touch screens	20-pin SSOP (SS), SOIC (SO), QFN (ML)
AR1100BRD	Analog Resistie	USB, RS-232	All Manufacturers 4, 5 and 8 wire	Internal 10-bit Ratiometric	1024 × 1024	3.3V DC ±5% 5.5V DC ±5%	150 pps	–40 to +85	Per schematic	$12.78	Controller driven calibration & Universal for all touch screens	Board Module

SAFETY & SECURITY: Smoke Detector and Horn Driver ICs

Product	Horn Driver	Detection Method	Low Battery Detection	Alarm Memory	Alarm Interconnect	Hush/Sensitivity Timer	Operating Temperature Range (°C)	Packages
RE46C140/1/3/4/5	Yes	Photo	Yes	No	Yes	140/4/5	–25 to +75	PDIP, SOIC
RE46C12X & 152	Yes	Ion	Yes	No	Not 120	122/7,152	–10 to +60	PDIP
RE46C10X & 11X	Yes	Just Driver	5/7/9/19	NA	9/19	None	See Datasheet	See Datasheet
RE46C162/3, 5/6/7/8	Yes	Ion/Photo	Yes	Yes	Yes	Yes	–25 to +75	PDIP, SOIC
RE46C180	Yes	Ion	Yes	Yes	Yes	Yes	–10 to +60	PDIP, SOIC
RE46C190	Yes	Photo	Yes	Yes	Yes	Yes	–10 to +60	SOIC
RE46C317/8	Yes	Just Driver	No	No	No	No	–10 to +60	PDIP, SOIC

MOTOR DRIVERS: Stepper Motos, DC Motors and 3 Phase BLDC Fan Controllers

Product	Motor Type	Input Voltage Range (V)	Internal/External FETs	Output Current (mA)	Control Scheme	Motor Speed Output	Protections	Temp. Operating Range (°C)	Features	Packages
MTS62C19A	One Bipolar Stepper Motor or Two DC Motors	10.0 to 40.0	Internal	750	Direct PWM Input, Current Limit Control, Microstepping	No	Overcurrent, Overtemperature, Under Voltage	–20 to +85	Dual Full Bridge Motor Driver for Stepper Motors, Pin Compatible with Allegro 6219	24-SOP
MTS2916A	One Bipolar Stepper Motor or Two DC Motors	10.0 to 40.0	Internal	750	Direct PWM Input, Current Limit Control, Microstepping	No	Overcurrent, Overtemperature, Under Voltage	–20 to +85	Dual Full Bridge Motor Driver for Stepper Motors, Pin Compatible with Allegro 2916	24-SOP
MTD6505	3-Phase Brushelss DC Motor	2.0 to 5.5	Internal	750	Sensorless Sinusoidal	Frequency Generator	Overcurrent, Overvoltage, Short Circuit, Overtemperature, Motor Lock-up	–40 to +125	180° Sinusoidal Sensorless Drive, Direction Control, Programmable BEMF Coefficient Range, Fsw = 30 kHz	10-UDFN (3 × 3)
MTD6501C/D/G	3-Phase Brushless DC Motor	2.0 to 14.0	Internal	800/500/800	Sensorless Sinusoidal	Frequency Generator	Overcurrent, Short Circuit Overtemperature, Motor Lock-up	–30 to +95	180° Sinusoidal Sensorless Drive, Direction Control, Boost Mode (D), Fsw = 20 kHz (C/D), 23 kHz (G)	8-SOP (C, G), 10-MSOP (D)
MTD6502B	3-Phase Brushless DC Motor	2.0 to 5.5	Internal	750	Sensorless Sinusoidal	Frequency Generator	Overcurrent, Short Circuit Overtemperature, Motor Lock-up	–40 to+125	180° Sinusoidal Sensorless Drive, Direction Control, Fsw = 30 kHz	10-TDFN (3 × 3)

REAL-TIME CLOCK/CALENDAR (RTCC)

Bus	Product	Pins	Timing Features				Memory[1]			Power		Unique Features[2]	5 ku Pricing†	Packages
			Digital Trimming (Adj./Range)	Alarm Settings	WDT	Outputs	SRAM (Bytes)	EERPOM (Kbits)	ID/MAC (Bits)	Min V_{CC}	Min I_{BAT}			
I²C™	MCP7940M	8	±127 ppm	1 sec.	–	$\overline{IRQ}$/CLK	64	0	0	1.8	–	–	$0.46	SOIC (SN), TSSOP (ST), MSOP (MS), TDFN (MNY), PDIP (P)
I²C™	MCP7940N	8	±127 ppm	1 sec.	–	$\overline{IRQ}$/CLK	64	0	0	1.8	1.3	Power Fail Timestamp	$0.59	SOIC (SN), TSSOP (ST), MSOP (MS), TDFN (MNY), PDIP (P)
I²C™	MCP7940X	8	±127 ppm	1 sec.	–	$\overline{IRQ}$/CLK	64	0	64	1.8	1.3	Power Fail Timestamp	$0.66	SOIC (SN), TSSOP (ST), MSOP (MS), TDFN (MNY)
I²C™	MCP7941X	8	±127 ppm	1 sec.	–	$\overline{IRQ}$/CLK	64	1	64	1.8	1.3	Power Fail Timestamp	$0.72	SOIC (SN), TSSOP (ST), MSOP (MS), TDFN (MNY)
SPI	MCP7951X	10	±255 ppm	0.01 sec.	–	$\overline{IRQ}$/CLK	64	1	128	1.8	1.3	Power Fail Timestamp	$0.90	SOIC (SL), TSSOP (ST)
SPI	MCP7952X	10	±255 ppm	0.01 sec.	–	$\overline{IRQ}$/CLK	64	2	128	1.8	1.3	Power Fail Timestamp	$0.96	MSOP (MS), TDFN (MN)
SPI	MCP795W1X	14	±255 ppm	0.01 sec.	✓	1. CLK 2. IRQ 3. WDT RST	64	1	128	1.8	1.3	Power Fail Timestamp, Event Detects (× 2)	$1.22	SOIC (SL), TSSOP (ST)
SPI	MCP795W2X	14	±255 ppm	0.01 sec.	✓	1. CLK 2. IRQ 3. WDT RST	64	2	128	1.8	1.3	Power Fail Timestamp, Event Detects (× 2)	$1.28	SOIC (SL), TSSOP (ST)

Note 1: All part numbers with an "X" have three ID programming options: [0 = Blank ID], [1 = EU-48™ MAC Address], [2 =EUI-64™ MAC Address]
2: The Power Fail Timestamp in all RTCCs occur at Battery Switchover.

Products sorted by pin count followed by pricing.
† Pricing subject to change; please contact your Microchip representative for most current pricing.

SERIAL MEMORY PRODUCTS

Bus	Product	Released (R) Not Released (NR)	Density	Organization	Max. Clock Frequency	Operating Voltage	Temperature Range	E/W Endurance (Minimum)	Data Retention (Minimum)	Max. Write Speeds	Max. Standby Current (@ 5.5V, 85°C)	Write Protect		Protected Array Size	5 ku Pricing†	Special/Unique Features	Packages
												Hardware	Software				
Serial SRAM																	
SPI	23X640	R	64 Kb	× 8	20 MHz	1.5V–1.95V 2.7V–3.6V	−40°C to +125°C	∞	Volatile	0 ms	4 µA	–	–	–	$0.51	Zero write cycle time, Infinite endurance, Volatile RAM, Byte/page/ sequential read-write modes	PDIP (P), SOIC (SN), TSSOP (ST)
	23X256	R	256 Kb	× 8	20 MHz	1.5V–1.95V 2.7V–3.6V	−40°C to +125°C	∞	Volatile	0 ms	4 µA	–	–	–	$0.87	Zero write cycle time, Infinite endurance, Volatile RAM, Byte/page/ sequential read-write modes	PDIP (P), SOIC (SN), TSSOP (ST)
	23XX512	R	512 Kb	× 8	20 × 4 MHz	1.7V–2.2V 2.5V–5.5V	−40°C to +125°C	∞	Volatile	0 ms	4 µA	–	–	–	$1.24	Fast Speed: Quad SPI available (80 MHz); Infinite endurance; Zero write times, 5V capable	SOIC (SN), PDIP (P), TSSOP (ST)
	23XX1024	R	1024 Kb	× 8	20 × 4 MHz	1.7V–2.2V 2.5V–5.5V	−40°C to +125°C	∞	Volatile	0 ms	4 µA	–	–	–	$1.73	Fast Speed: Quad SPI available (80 MHz); Infinite endurance; Zero write times, 5V capable	SOIC (SN), PDIP (P), TSSOP (ST)
Serial NVSRAM																	
SPI	23LCV512	R	512 Kb	× 8	20 MHz	–	−40°C to +125°C	∞	20 Years via battery	0 ms	4 µA	–	–	–	$1.40	Battery backed non-volatile SRAM; Infinite endurance; Zero write times	SOIC (SN), PDIP (P), TSSOP (ST)
	23LCV1024	R	1024 Kb	× 8	20 MHz	–	−40°C to +125°C	∞	20 Years via battery	0 ms	4 µA	–	–	–	$1.98	Battery backed non-volatile SRAM; Infinite endurance; Zero write times	SOIC (SN), PDIP (P), TSSOP (ST)
Serial EEPROM																	
UNI/O® Bus	11XX010	R	1 Kb	× 8	100 kHz	1.8V–5.5V	−40°C to +125°C	1M	200 Years	5 ms	1 µA	–	✓	W, ½, ¼	$0.23	Single I/O for all clock, data, control and write protection	PDIP (P), SOIC (SN), MSOP (MNY), DFN (MC), TO-92 (TO), 3-SOT-23 (TT), WLCSP (CS)
	11XX020/E48	R	2 Kb	× 8	100 kHz	1.8V–5.5V	−40°C to +125°C	1M	200 Years	5 ms	1 µA	–	✓	W, ½, ¼	$0.25	Single I/O for all clock, data, control and write protection, Unique EUI-48™/EUI-64™, MAC address option available	PDIP (P), SOIC (SN), MSOP (MNY), DFN (MC), TO-92 (TO), 3-SOT-23 (TT), WLCSP (CS)
	11XX040	R	4 Kb	× 8	100 kHz	1.8V–5.5V	−40°C to +125°C	1M	200 Years	5 ms	1 µA	–	✓	W, ½, ¼	$0.26	Single I/O for all clock, data, control and write protection	PDIP (P), SOIC (SN), MSOP (MNY), DFN (MC), TO-92 (TO), 3-SOT-23 (TT), WLCSP (CS)
	11XX080	R	8 Kb	× 8	100 kHz	1.8V–5.5V	−40°C to +125°C	1M	200 Years	5 ms	1 µA	–	✓	W, ½, ¼	$0.30	Single I/O for all clock, data, control and write protection	PDIP (P), SOIC (SN), MSOP (MNY), DFN (MC), TO-92 (TO), 3-SOT-23 (TT), WLCSP (CS)
	11XX160	R	16 Kb	× 8	100 kHz	1.8V–5.5V	−40°C to +125°C	1M	200 Years	5 ms	1 µA	–	✓	W, ½, ¼	$0.33	Single I/O for all clock, data, control and write protection	PDIP (P), SOIC (SN), MSOP (MNY), DFN (MC), TO-92 (TO), 3-SOT-23 (TT), WLCSP (CS)
I²C™	24XX00	R	128 b	× 8	400 kHz	1.7V–5.5V	−40°C to +125°C	1M	200 Years	4 ms	1 µA	–	–	–	$0.17	100 KHz operation from 1.7V to 4.5V	PDIP (P), SOIC (SN), TSSOP (ST), DFN (MC), 5-SOT-23 (OT)
	24XX01/014	R	1 Kb	× 8	400 kHz	1.7V–5.5V 1.5V–3.6V	−40°C to +150°C	1M	200 Years	5 ms	1 µA	✓	–	W, ½	$0.18	Address pin option: connect up to 8 devices on bus, Very low voltage option	PDIP (P), SOIC (SN), TSSOP (ST), MSOP (MNY), DFN (MC), 5-SOT-23 (OT), SC70 (LT)
	24XX02/024/E48	R	2 Kb	× 8	400 kHz	1.7V–5.5V 1.5V–3.6V	−40°C to +125°C	1M	200 Years	5 ms	1 µA	✓	–	W, ½	$0.20	Address pin option – connect up to 8 devices on bus, Very low voltage option, Unique EUI-48/EUI-64 MAC address option available	PDIP (P), SOIC (SN), TSSOP (ST), MSOP (MNY), DFN (MC), 5-SOT-23 (OT), SC70 (LT)
	34XX02	R	2 Kb	× 8	1 MHz	1.7V–5.5V 1.5V–3.6V	−40°C to +125°C	1M	200 Years	5 ms	1 µA	✓	✓	W, ½	$0.18	1 MHz @ 2.5V, Permanent and restable software WP – DIMM-DDR2/3	PDIP (P), SOIC (SN), TSSOP (ST), MSOP (MS), DFN (MNY), 6-SOT-23 (OT),
	24XX00	R	128 b	× 8	400 kHz	1.7V–5.5V	−40°C to +125°C	1M	200 Years	4 ms	1 µA	–	–	–	$0.17	100 KHz operation from 1.7V to 4.5V	PDIP (P), SOIC (SN), TSSOP (ST), DFN (MC), 5-SOT-23 (OT)
	24XX01/014	R	1 Kb	× 8	400 kHz	1.7V–5.5V 1.5V–3.6V	−40°C to +150°C	1M	200 Years	5 ms	1 µA	✓	–	W, ½	$0.18	Address pin option: connect up to 8 devices on bus, Very low voltage option	PDIP (P), SOIC (SN), TSSOP (ST), MSOP (MNY), DFN (MC), 5-SOT-23 (OT), SC70 (LT)
	24XX02/024/E48	R	2 Kb	× 8	400 kHz	1.7V–5.5V 1.5V–3.6V	−40°C to +125°C	1M	200 Years	5 ms	1 µA	✓	–	W, ½	$0.20	Address pin option: connect up to 8 devices on bus, Very low voltage option, Unique EUI-48/EUI-64 MAC address option available	PDIP (P), SOIC (SN), TSSOP (ST), MSOP (MNY), DFN (MC), 5-SOT-23 (OT), SC70 (LT)
	34XX02	R	2 Kb	× 8	1 MHz	1.7V–5.5V 1.5V–3.6V	−40°C to +125°C	1M	200 Years	5 ms	1 µA	✓	✓	W, ½	$0.18	1 MHz @ 2.5V, Permanent and restable software WP – DIMM-DDR2/3	PDIP (P), SOIC (SN), TSSOP (ST), MSOP (MS), DFN (MNY), 6-SOT-23 (OT)
	24XX04	R	4 Kb	× 8	400 kHz	1.7V–5.5V	−40°C to +125°C	1M	200 Years	5 ms	1 µA	✓	–	W, ½	$0.21	400 KHz @ 2.5V, 16 byte page write buffer, No address pins	PDIP (P), SOIC (SN), TSSOP (ST), MSOP (MNY), DFN (MC), 5-SOT-23 (OT), WLCSP (CS)
	24XX08	R	8 Kb	× 8	400 kHz	1.7V–5.5V	−40°C to +125°C	1M	200 Years	5 ms	1 µA	✓	–	W, ½	$0.23	400 KHz @ 2.5V, 16 byte page write buffer, No address pins	PDIP (P), SOIC (SN), TSSOP (ST), MSOP (MS), DFN (MNY), 5-SOT-23 (OT),
	24XX16	R	16 Kb	× 8	400 kHz	1.7V–5.5V	−40°C to +125°C	1M	200 Years	5 ms	1 µA	✓	–	W, ½	$0.25	400 KHz @ 2.5V, 16 byte page write buffer, No address pins	PDIP (P), SOIC (SN), TSSOP (ST), MSOP (MNY), DFN (MC), 5-SOT-23 (OT), WLCSP (CS)
	24XX32A	R	32 Kb	× 8	400 kHz	1.7V–5.5V	−40°C to +125°C	1M	200 Years	5 ms	1 µA	✓	–	W, ¼	$0.31	400 KHz @ 2.5V, 32 byte page write buffer, connect up to 8 devices on bus	PDIP (P), SOIC (SN), TSSOP (ST), MSOP (MNY), DFN (MC), 5-SOT-23 (OT), WLCSP (CS)
	24XX64/65	R	64 Kb	× 8	1 MHz	1.7V–5.5V	−40°C to +125°C	1M, 10M	200 Years	5 ms	1 µA	✓	–	W, ¼	$0.38	1 MHz @ 2.5V, 32/64 byte page, Relocatable 4 Kb block with 10M cycles endurance	PDIP (P), SOIC (SN), TSSOP (ST), MSOP (MNY), DFN (MC), 5-SOT-23 (OT), WLCSP (CS)
	24XX128	R	128 Kb	× 8	1 MHz	1.7V–5.5V	−40°C to +125°C	1M	200 Years	5 ms	1 µA	✓	–	W	$0.54	1 MHz @ 2.5V, 64 byte page, Connect up to 8 devices on bus	PDIP (P), SOIC (SN), TSSOP (ST), MSOP (MNY), DFN (MC), WLCSP (CS)
	24XX256	R	256 Kb	× 8	1 MHz	1.7V–5.5V	−40°C to +125°C	1M	200 Years	5 ms	1 µA	✓	–	W	$0.83	1 MHz @ 2.5V, 64 byte page, Connect up to 8 devices on bus	PDIP (P), SOIC (SN), TSSOP (ST), SOIJ (SM), MSOP (MS), DFN (MF), WLCSP (CS)
	24XX512	R	512 Kb	× 8	1 MHz	1.7V–5.5V	−40°C to +125°C	1M	200 Years	5 ms	1 µA	✓	–	W	$1.50	1 MHz @ 2.5V, 128 byte page, Connect up to 8 devices on bus	PDIP (P), SOIC (SN), TSSOP (ST), DFN (MF), SOIJ (SM), WLCSP (CS)
	24XX1025/26	R	1 Mb	× 8	1 MHz	1.7V–5.5V	−40°C to +125°C	1M	200 Years	5 ms	5 µA	✓	–	W	$3.14	1 MHz @ 2.5V, 128 byte page, Connect up to 4 devices on bus	PDIP (P), SOIC (SN), SOIJ (SM)
	24XX1024	NR	1 Mb	× 8	1 MHz	2.5V–5.5V	−40°C to +125°C	1M	200 Years	5 ms	5 µA	✓	–	W	–	1 MHz @ 2.5V, 256 byte page,Connect up to 4 devices on bus	PDIP (P), SOIC (SN), TSSOP (ST), DFN (MF), SOIJ (SM)

1: All devices are Pb-Free and RoHS compliant.
2: ESD protection > 4kV (HBM); > 400V (MM) on all pins.
3: Write Protect (WP); W = Whole Array, ½ = Half Array, ¼ Quarter Array.
4: Factory program and unique ID options available.
5: Die and wafer options available on all devices.
† Pricing subject to change; please contact your Microchip representative for most current pricing.