

ZILOG Z8 OTP Microcontrollers



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RoHS Compliant

ZILOG Z8 OTP MICROCONTROLLERS

The 8-Bit One-Time Programmable (OTP) Microcontrollers are members of ZILOG's single-chip Z8 MCU family featuring enhanced wake-up circuitry, programmable Watch-Dog Timers, Low-Noise EMI options, and easy hardware/software system expansion capability.

◆ Surface Mount Device

* See below for development tools.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	ROM (KB)	RAM (Bytes)	I/O	Interrupts	On Chip Special Features	On Chip Analog Features	WDT	Timers	Comm Int.	Volts (V)	Operating Speed (MHz)	Development Tool Available Key	Price Each		
Mfr.	Mfr. Part Number														1	25	100
◆	692—Z8673312PSG	PDIP-28	0.5	61	24	6	POR	2 comp	Yes	2	---	3.5-5.5	12	B, C, D, E, F, G	6.05	5.52	5.19
◆	692—Z8674312VSG	PLCC-44	0.5	61	32	6	POR	2 comp	Yes	2	---	3.5-5.5	12	B, G, I, J, K	7.02	6.53	6.01
◆	692—Z8674312PSG	PDIP-40	0.5	61	32	6	POR	2 comp	Yes	2	---	3.5-5.5	12	B, G, I, J, K	7.02	6.53	6.01
◆	692—Z86E0208SEG1925	SOIC-18	0.5	61	14	5	POR, LV Protect	2 comp	Yes	1	---	4.5-5.5	8	B, L, M, N	1.72	1.54	1.33
◆	692—Z86E0208HEG1925	SSOP-20	0.5	61	14	5	POR, LV Protect	2 comp	Yes	1	---	4.5-5.5	8	B, L, M, N	1.86	1.65	1.46
◆	692—Z86E0208PEG1925	PDIP-18	0.5	61	14	5	POR, LV Protect	2 comp	Yes	1	---	4.5-5.5	8	B, L, M, N	1.72	1.54	1.33
◆	692—Z86E0208HSG1925	SSOP-20	0.5	61	14	5	POR, LV Protect	2 comp	Yes	1	---	4.5-5.5	8	B, L, M, N	1.69	1.54	1.33
◆	692—Z86E0208SSG1925	SOIC-18	0.5	61	14	5	POR, LV Protect	2 comp	Yes	1	---	4.5-5.5	8	B, L, M, N	1.57	1.35	.96
◆	692—Z86E0308SSG	SOIC-18	0.5	61	14	6	POR	2 comp	Yes	1	---	4.5-5.5	8	B, O	3.89	3.42	2.80
◆	692—Z86E0308PSG	PDIP-18	0.5	61	14	6	POR	2 comp	Yes	1	---	4.5-5.5	8	B, O	3.89	3.42	2.80
◆	692—Z86E0412HSG1903	SSOP-20	1	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.41	2.24	2.00
◆	692—Z86E0412HEG1903	SSOP-20	1	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.65	2.43	2.21
◆	692—Z86E0412SSG1903	SOIC-18	1	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.27	1.92	1.44
◆	692—Z86E0412PEG1903	PDIP-18	1	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.50	2.27	2.08
◆	692—Z86E0412HEG1866	SSOP-20	1	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.65	2.43	2.21
◆	692—Z86E0412HSG1866	SSOP-20	1	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.41	2.24	2.00
◆	692—Z86E0412SSG1866	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.27	1.92	1.44
◆	692—Z86E0412PEG1866	PDIP-18	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.50	2.27	2.08
◆	692—Z86E0412SEG1903	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.50	2.27	2.08
◆	692—Z86E0412SEG	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.50	2.27	2.08
◆	692—Z86E0612SSG	SOIC-18	2	125	14	6	POR	2 comp	Yes	1	SPI	4.5-5.5	12	O, P	4.10	3.78	3.40
◆	692—Z86E0612PSG	PDIP-18	2	125	14	6	POR	2 comp	Yes	1	SPI	4.5-5.5	12	O, P	4.10	3.78	3.40
◆	692—Z86E0812HSG1903	SSOP-20	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.90	2.65	2.42
◆	692—Z86E0812SSG1903	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.79	2.37	1.68
◆	692—Z86E0812HEG1866	SSOP-20	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	3.21	2.92	2.68
◆	692—Z86E0812SEG1903	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	3.06	2.59	1.84
◆	692—Z86E0812PSG1866	PDIP-18	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.79	2.37	1.68
◆	692—Z86E0812HSG1866	SSOP-20	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	2.90	2.65	2.42
◆	692—Z86E0812SSG1866	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	3.13	2.65	1.88
◆	692—Z86E0812SEG	SOIC-18	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	3.43	2.90	2.06
◆	692—Z86E0812HEG1903	SSOP-20	2	125	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	3.21	2.92	2.68
◆	692—Z86E0812PEG1903	PDIP-18	4	188	14	6	POR	2 comp	Yes	2	---	4.5-5.5	12	B, L, M, N	3.06	2.73	2.54
◆	692—Z86E3016PSG	PDIP-28	4	236	24	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, E, F	4.94	4.53	4.11
◆	692—Z86E3016SSG	SOIC-28	4	236	24	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, E, F	4.94	4.53	4.11
◆	692—Z86E3016PEG	PDIP-28	4	236	24	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, E, F	5.44	4.93	4.52
◆	692—Z86E3016VEG	PLCC-28	4	236	24	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, E, F	5.44	4.84	4.27
◆	692—Z86E3116SSG	SOIC-28	4	236	24	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, E, F	3.95	3.66	3.40
◆	692—Z86E3116VSG	PLCC-28	4	236	24	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, E, F	3.61	3.53	3.40
◆	692—Z86E3116PSG	PDIP-28	4	236	24	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, E, F	3.95	3.66	3.40
◆	692—Z86E3116VEG	PLCC-28	4	236	24	6	POR	2 comp	Yes	2	---	3.5-5.5	8	B, E, F	3.95	3.83	3.76
◆	692—Z86E3016SEG	SOIC-28	4	237	24	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, E, F	5.44	4.93	4.52
◆	692—Z86E3116PEG	PDIP-28	4	237	24	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, E, F	3.95	3.83	3.76
◆	692—Z86E3312PSG	PDIP-28	4	237	24	6	POR	2 comp	Yes	2	---	3.5-5.5	12	B, C, D, E, F, G	4.78	4.48	4.26
◆	692—Z86E3312SSG	SOIC-28	4	237	24	6	POR	2 comp	Yes	2	---	3.5-5.5	12	B, C, D, E, F, G	4.69	4.47	4.26
◆	692—Z86E3312VSG	PLCC-28	4	237	24	6	POR	2 comp	Yes	2	---	3.5-5.5	12	B, C, D, E, F, G	4.66	4.47	4.26
◆	692—Z86E3412VSG	PLCC-28	4	237	24	6	POR	2 comp	Yes	2	---	3.5-5.5	12	B, C, D, E, F, G	9.48	8.23	6.84
◆	692—Z86E3412SSG	SOIC-28	4	237	24	6	POR	2 comp	Yes	2	---	3.5-5.5	12	B, C, D, E, F, G	9.48	8.23	6.84
◆	692—Z86E8316SSG	SOIC-28	4	237	21	6	POR	2 comp,ADC	Yes	2	---	3.5-5.5	16	AA, BB, CC, DD	6.12	5.62	5.08
◆	692—Z86E8316SEG	SOIC-28	4	237	21	6	POR	2 comp,ADC	Yes	2	---	3.5-5.5	16	AA, BB, CC, DD	6.73	6.24	5.60
◆	692—Z86E8316VSG	PLCC-28	4	237	21	6	POR	2 comp,ADC	Yes	2	---	3.5-5.5	16	AA, BB, CC, DD	6.12	5.62	5.08
◆	692—Z86E8316VEG	PLCC-28	4	237	21	6	POR	2 comp,ADC	Yes	2	---	3.5-5.5	16	AA, BB, CC, DD	6.73	6.24	5.60
◆	692—Z86E8316PEG	PDIP-28	4	237	21	6	POR	2 comp,ADC	Yes	2	---	3.5-5.5	16	AA, BB, CC, DD	6.73	6.24	5.60
◆	692—Z86E3412PSG	PDIP-28	8	237	24	6	POR	2 comp	Yes	2	---	3.5-5.5	12	AA, BB, CC, DD	9.48	8.23	6.84
◆	692—Z86E4016VSG	PLCC-44	8	237	32	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, F, H, X, Y	6.96	5.86	4.89
◆	692—Z86E4016PEG	PDIP-40	8	236	32	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, F, H, X, Y	7.66	6.56	5.38
◆	692—Z86E4016VEG	PLCC-44	8	236	32	6	POR	2 comp	Yes	2	---	3.5-5.5	16	B, F, H, X, Y	7.66	6.56	5.38
◆	692—Z86E4312PSG	PDIP-40	8	236	32	6	POR	2 comp	Yes	2	---	3.5-5.5	12	B, H, I, J, K	5.48	5.34	5.20
◆	692—Z86E4312VSG	PLCC-44	8	236	32	6	POR	2 comp	Yes	2	---	3.5-5.5	12	B, H, I, J, K	5.48	5.34	5.20
◆	692—Z86E4412PSG	PDIP-40	16	237	32	6	POR	2 comp	Yes	2	---	3.5-5.5	12	B, C, D, F, G, H, I, J, K	9.25	8.46	7.69
◆	692—Z86E6116VSG	PLCC-44	16	237	32	6	---	---	No	2	UART	4.5-5.5	16	L, T, U	14.75	13.51	12.28
◆	692—Z86E6316VSG	PLCC-44	16	236	32	6	---	---	No	2	UART	4.5-5.5	16	L, T, U	18.74	16.82	15.58
◆	692—Z86E6316PSG	PDIP-40	16	236	32	6	---	---	No	2	UART	4.5-5.5	16	L, T, U	18.74	16.82	15.58

ZILOG DEVELOPMENT TOOLS FOR Z8 OTP MICROCONTROLLERS

Key	MOUSER STOCK NO.	Description	Price Each	Key	MOUSER STOCK NO.	Description	Price Each
	Mfr. Mfr. Part Number				Mfr. Mfr. Part Number		
AA	692—Z86C8401ZEM	Z8 In-Circuit Emulator-C84	1500.00	J	692—Z86E4400ZDP	Z86E44 40L PDIP Programming Adapter	42.00
B	692—Z86CCP01ZEM	Z8 Emulator	49.95	K	692—Z86E4400ZDV	Z86E44 44L PLCC Programming Adapter	48.00
C	692—Z86E3400ZDP	Z86E34 28L PDIP Programming Adapter	33.75	M	692—Z86E0700ZDP	Z8 Converter Kit	95.00
D	692—Z86E3400ZDS	Z86E34 28L SOIC Programming Adapter	50.63	N	692—Z86E0800ZDH	Z8 SSOP Converter Kit	75.00
DD	692—Z86E8300ZDV	Z86E83 28 PLCC-28 PDIP OTP Program. Adapter	42.00	O	692—Z86E0601ZDP	Z8 Converter Kit	180.00
E	692—Z86C3000ZAC	Z86C30 Accessory Kit	102.00	P	692—Z86E0600ZDP	Z8 Converter Kit	66.00
EE	692—Z86E00101ZDH	Z8E001 "Z8 ICE" SSOP Converter Kit	62.50	Q	692—Z86E1500ZDP	E15 Programming Adapter/Emulator Pod	113.33
F	692—Z86CCP00ZAC	Z86CCP Emulator Accessory Kit	46.43	T	692—Z86E2101ZDF	Z8 OTP Converter (QFP) Kit	198.00
G	692—Z86E3400ZDV	Z86E34 28L PLCC Programming Adapter	39.38	X	692—Z86C4000ZDV	Z86C40 PLCC Emulator Pod for Z86C5000ZEM	52.57
H	692—Z86C4001ZDV	Z86C40 PLCC Emulator Pod for Z86CCP01ZEM	106.25	Y	692—Z86E4001ZDF	Z8 OTP Converter (QFP) Kit	118.83
I	692—Z86E4400ZDF	Z86E44 44L QFP Programming Adapter	54.00	Z	692—Z86E4001ZDV	Z8 OTP Converter (PLCC) Kit	74.83