

ZILOG Microcontrollers



RoHS Compliant This product is RoHS compliant.

ZILOG Z8 ENCORE!™ MICROCONTROLLERS (CONT.)

◆ Surface Mount Device

• Each Z8 Encore! Microcontroller contains the following: Watchdog Timers, SPI Port, 12C Port • Core Speed: 20 MHz

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.		Package	Flash (Bytes)	RAM (Bytes)	I/O Lines	Interrupts	16-Bit Timers	PWMs	10-Bit A/D Channels	DMA Controller	UARTs	Voltage (V)	Temperature (°C)	Price Each		
Mfr.	Mfr. Part Number													1	25	100
◆	692-Z8F1621VN020EG	PLCC-44	16K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	3.97	3.63	3.31
◆	692-Z8F1621AR020SG	PLCC-44	16K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	3.59	3.26	2.99
◆	692-Z8F1622AR020SG	LQFP-64	16K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	4.15	3.79	3.46
◆	692-Z8F1622AR020SG	LQFP-64	16K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	3.76	3.43	3.13
◆	692-Z8F1622VS020SG	PLCC-68	16K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	4.15	3.79	3.46
◆	692-Z8F1622VS020SG	PLCC-68	16K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	3.76	3.43	3.13
◆	692-Z8F2421AN020SG	LQFP-44	24K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	4.15	3.79	3.46
◆	692-Z8F2421AN020SG	LQFP-44	24K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	3.76	3.43	3.13
◆	692-Z8F2421PM020EG	PDIP-40	24K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	4.32	3.94	3.60
◆	692-Z8F2421PM020EG	PDIP-40	24K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	3.92	3.57	3.27
◆	692-Z8F2421VN020EG	PLCC-44	24K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	4.15	3.79	3.46
◆	692-Z8F2421VN020EG	PLCC-44	24K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	3.76	3.43	3.13
◆	692-Z8F2422AR020SG	LQFP-64	24K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	4.32	3.94	3.60
◆	692-Z8F2422AR020SG	LQFP-64	24K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	3.92	3.57	3.27
◆	692-Z8F2422VS020SG	PLCC-68	24K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	4.32	3.94	3.60
◆	692-Z8F2422VS020SG	PLCC-68	24K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	3.92	3.57	3.27
◆	692-Z8F3221AN020SG	LQFP-44	32K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	4.32	3.94	3.60
◆	692-Z8F3221AN020SG	LQFP-44	32K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	3.92	3.57	3.27
◆	692-Z8F3221PM020EG	PDIP-40	32K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	4.49	4.08	3.74
◆	692-Z8F3221PM020EG	PDIP-40	32K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	4.09	3.74	3.41
◆	692-Z8F3221VN020EG	PLCC-44	32K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	4.32	3.94	3.60
◆	692-Z8F3221VN020EG	PLCC-44	32K	2K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	3.92	3.57	3.27
◆	692-Z8F3222AR020SG	LQFP-64	32K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	4.49	4.08	3.74
◆	692-Z8F3222AR020SG	LQFP-64	32K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	4.09	3.74	3.41
◆	692-Z8F3222VS020SG	PLCC-68	32K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	4.49	4.08	3.74
◆	692-Z8F3222VS020SG	PLCC-68	32K	2K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	4.09	3.74	3.41
◆	692-Z8F4821AN020SG	LQFP-44	48K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	4.98	4.52	4.13
◆	692-Z8F4821AN020SG	LQFP-44	48K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	4.48	4.08	3.73
◆	692-Z8F4821PM020EG	PDIP-40	48K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	5.15	4.68	4.29
◆	692-Z8F4821PM020EG	PDIP-40	48K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	4.64	4.23	3.87
◆	692-Z8F4821VN020EG	PLCC-44	48K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	4.96	4.52	4.13
◆	692-Z8F4821VN020EG	PLCC-44	48K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	4.48	4.08	3.73
◆	692-Z8F4822AR020SG	LQFP-64	48K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	5.15	4.68	4.29
◆	692-Z8F4822AR020SG	LQFP-64	48K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	4.64	4.23	3.87
◆	692-Z8F4822VS020SG	PLCC-68	48K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	5.15	4.68	4.29
◆	692-Z8F4822VS020SG	PLCC-68	48K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	4.64	4.23	3.87
◆	692-Z8F4823FT020SG	QFP-80	48K	4K	60	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	5.17	4.72	4.31
◆	692-Z8F4823FT020SG	QFP-80	48K	4K	60	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	4.68	4.26	3.90
◆	692-Z8F6421AN020SG	LQFP-44	64K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	5.29	4.83	4.41
◆	692-Z8F6421AN020SG	LQFP-44	64K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	4.81	4.39	4.01
◆	692-Z8F6421PM020EG	PDIP-40	64K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	5.48	4.99	4.57
◆	692-Z8F6421PM020EG	PDIP-40	64K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	4.99	4.55	4.16
◆	692-Z8F6421VN020EG	PLCC-44	64K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	-40° to 105°	5.29	4.83	4.41
◆	692-Z8F6421VN020EG	PLCC-44	64K	4K	31	23	3	3	8	Yes	2	3.0 to 3.6	0° to 70°	4.81	4.39	4.01
◆	692-Z8F6422AR020SG	LQFP-64	64K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	5.48	4.99	4.57
◆	692-Z8F6422AR020SG	LQFP-64	64K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	4.99	4.55	4.16
◆	692-Z8F6422VS020SG	PLCC-68	64K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	5.48	4.99	4.57
◆	692-Z8F6422VS020SG	PLCC-68	64K	4K	46	24	4	4	12	Yes	2	3.0 to 3.6	0° to 70°	4.99	4.55	4.16
◆	692-Z8F6423FT020SG	QFP-80	64K	4K	60	24	4	4	12	Yes	2	3.0 to 3.6	-40° to 105°	5.48	4.99	4.57

ZILOG ZNEO™ Z16F SERIES 16-BIT FLASH MICROCONTROLLERS

This new line of 16-bit Flash Microcontrollers is based on a ground up, highly-effective core architecture that compliments ZILOG's Z8 Encore! 64K Series by providing more memory (128KB Flash) and a higher performance of 20 MIPS. ZNEO is packed with peripherals, balancing price and performance.

Z16F Series Features:

- External 16-bit bus with 16MB linear address space
- 8-, 16-, and 32-bit ALU operations
- Single cycle execution
- Fast 600KHz 12-channel SAR ADC
- 5.53MHz I/O
- Analog Comparator
- Op Amp
- 6 channel synchronized PWM timers
- Internal/external DMA
- Enhanced SPI
- 12C master/slave
- 2 LIN-UARTS

Development Kit and Accessory Kit

MOUSER STOCK NO.	Zilog Part No.	Description	Price Each
692-Z16F2800100ZCOG	Z16F2800100ZCOG	ZNEO Z16F Series Development Kit	99.95
692-ZUSBC00100ZACG	ZUSBC00100ZACG	USB Smart Cable Accessory Kit	29.95

The wide variety of peripherals gives the new Z16F Series the value-added punch necessary for today's budget conscious designs.

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Zilog Part No.	Package Type	Flash (Kbytes)	RAM (Kbytes)	External Interface	I/O	Multi-Channel Timers with PWM	Standard Timers with PWM	ADC Inputs	I2C Master-Slave	UART with LIN & IrDA	ESPI	Temp. (°C)	Price Each		
														1	25	100
692-Z16F3211AL20SG	Z16F3211AL20SG	LQFP-100	32	2	Yes	76	1	3	12	1	2	1	0 to +70°	8.22	6.96	4.41
692-Z16F3211F120SG	Z16F3211F120SG	QFP-80	32	2	Yes	60	1	3	12	1	2	1	0 to +70°	8.08	6.82	4.33
692-Z16F411AL20SG	Z16F411AL20SG	LQFP-100	64	4	Yes	76	1	3	12	1	2	1	0 to +70°	8.88	6.50	4.76
692-Z16F411F120SG	Z16F411F120SG	QFP-80	64	4	Yes	60	1	3	12	1	2	1	0 to +70°	8.72	6.38	4.69
692-Z16F2811AL20SG	Z16F2811AL20SG	LQFP-100	128	4	Yes	76	1	3	12	1	2	1	0 to +70°	9.59	7.10	5.14
692-Z16F2811F120SG	Z16F2811F120SG	QFP-80	128	4	Yes	60	1	3	12	1	2	1	0 to +70°	9.42	7.97	5.06
692-Z16F2810AG20SG	Z16F2810AG20SG	LQFP-100	128	4	No	46	1	3	12	1	2	1	0 to +70°	8.80	6.43	4.71
692-Z16F2810VH20SG	Z16F2810VH20SG	QFP-80	128	4	No	46	1	3	12	1	2	1	0 to +70°	8.82	6.45	4.73

ZILOG Z8 GP SERIES MICROCONTROLLERS

The ZGP323H/L is OTP- and ROM-based members of ZILOG's new Z8 GP™ MCU family of general-purpose microcontrollers. Offering 237 bytes of general-purpose RAM and up to 32KB of OTP memory, ZILOG's Z8 GP MCU family provides support for standard, extended, and automotive temperature ranges. The low-voltage series supports voltage ranges from 2.0V to 3.6V, making it perfect for low-power applications. The high-voltage series supports voltage ranges from 2.0V to 5.5V. Both series offer fast-executing memory use, high GPIO, sophisticated interrupts, input/output bit manipulation, automated pulse generation/reception, and internal key-scan pull-up resistors.

◆ Surface Mount Device

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	Zilog Part No.	Package	Memory Size (KB)	RAM (bytes)	I/O	Other Features	WDT	Operating Voltage (V)	Speed (MHz)	Price Each		
										1	25	100
◆ 692-ZGP323HEH2804G	ZGP323HEH2804C	SSOP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.66	2.75	1.80
◆ 692-ZGP323HEP2804G	ZGP323HEP2804C	PDIP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	4.17	3.13	2.04
◆ 692-ZGP323HES2804G	ZGP323HES2804C	SOIC-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.66	2.75	1.80
◆ 692-ZGP323HES2004G	ZGP323HES2004C	SOIC-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.54	2.66	1.75
◆ 692-ZGP323HAP2804G	ZGP323HAP2804C	PDIP-28	4	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	4.32	3.24	2.08
◆ 692-ZGP323HAS2004G	ZGP323HAS2004C	SOIC-20	4	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	3.66	2.75	1.79
◆ 692-ZGP323HSP2832G	ZGP323HSP2832C	PDIP-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	4.44	3.33	2.13
◆ 692-ZGP323HSP2032G	ZGP323HSP2032C	PDIP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	4.35	3.27	2.09
◆ 692-ZGP323HS2832G	ZGP323HS2832C	SOIC-28	32	237	24	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	4.02	3.02	1.93
◆ 692-ZGP323HAP2032G	ZGP323HAP2032C	PDIP-20	32	237	16	2 Comparators, HVD, LVD	Yes	2.0 - 5.5	8	4.62		