ZILOG Development Tools and Microcontrollers — continued

Z02215 Single Chip MODEM

This device is a single-chip Modem with an integrated controller, data pump and analogue front-end.

The Z02215 is a synchronous single-chip V.22bis modem capable of 2400 bps full-duplex over standard dail-up lines. It is a full featured, self controlled modem that includes a modem controller, DSP and analogue front end functions. It is specifically designed for use in embedded modem applications where space, performance and low power consumption are of key interest.

- Supports Pulse or Tone dialing
- Auto-dial and Auto-answer
- Programmable transmit attenuation and selectable receive threshold
- 44 pin PLCC package

- Single 5V power supply
- Interface to serial EEPROM simplifies controller country qualifications
- On-chip peripheral, a full duplex voice band AFE with 12-bit resolution

SEM917

Mftrs List No.		Order Code	1+	Price Each 10+	100+
2400bps Modem controller	Z0221524VSCR4508	SMD **344-7881**			

Z0221500ZC0 Modem Evaluation Kit

The Z02215 Modem Evaluation Kit provides a platform that allows the user to evaluate the above single-chip modem on a single development board that supports standard AT commands.

Dimensions: 4.5 inch x 6.00 inch
Requires 12Vdc 1Amp

Key features include:
- Z02215 Single-chip modem DSP, Analogue Front End (AFE), controller and on-chip ROM/RAM to hold the controller and Datapump firmware
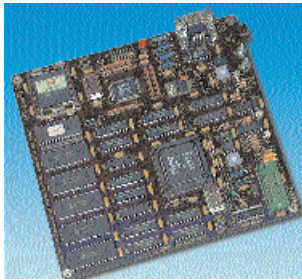- RS-232 DB25 port interface

- Telephone line interface with RJ11 jack
- Led indicators
- Speaker

SEM99

Mftrs List No.	Order Code	Price Each 1+
Evaluation Kit for 2400bps Modem controller	Z0221500ZC0	**344-7870**

Z8PLUS In-Circuit Emulator

ZiLOG

The Z8Plus emulator is an interactive window-orientated development tool, providing real-time environment for emulation and debugging, supporting the Z8Plus microcontrollers.

The emulator provides a hardware platform to develop and debug software in real time.

It connects to a serial port of the host computer and uses graphical interface.

Features include:
- In-Circuit program emulation
- Real time emulation
- Z8 GUI emulator software
- Window-based user interface
- OTP support
- Selectable baud rates 9600 to 57.6kbps

Kit contents:
- Emulation board
- Cables - 18 pin emulation pod cable, 9 pin serial cable
- Wall transformer
- User manuals
- CD-ROM, data and applications

SEM831

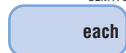**Z8ICE000ZEM, Z8PLUS In-Circuit Emulator ..Order Code 311-3115** | each

Z86E Emulator Accessory Kit

SEM176

For use with Z86E30 and Z86E40 devices. Includes 28 and 40 pin ZIF sockets and target connector cables, RS232 cable and power cable.

Z86CCP00ZAC Accessory Kit......................Order Code 493-545 | each

Z8E000 - 001

ZiLOG

The Z8E000 and 001 belong to the Z8Plus family which offers increased functionality, higher performance, lower power and improved noise and electrical interference.

Core features include:
- Register to Register architecture
- All instructions execute in one instruction cycle
- On-chip OTP PROM memory, 0.5K to 1Kb

- General purpose registers, 32 to 64bytes
- 6 vectored hardware interrupts
- Low power consumption

Peripheral features:
- 16-bit timer
- 2 8-bit standard timers
- 8-bit I/O
- 6-bit I/O

- 16-bit programmable WDT
- 13-14 total I/O
- 2 power reduction modes
- EPROM protect

SEM827

	Pins	Description	Mftrs. List No.	Order Code	1+	Price Each 10+	100+
Z8E000	18	8-bit CMOS MCU, 512b OTP PROM, 32 bytes RAM, 13 I/O, Timer + WDT, 4 interrupts - 10MHz....	Z8E000-10PSC	**311-3085**			
Z8E001	18	8-bit CMOS MCU, 1Kb OTP PROM, 64 bytes RAM, 13 I/O, Timer + WDT, 6 interrupts, Comparator, PWM output - 10MHz..	Z8E001-10PSC	**311-3103**			

SEM234

Z8	Mftr.	Pins	Description	Mftrs. List No.	Order Code	1+	10+	Price Each 100+	250+	500+
86C91	ZILOG	40	8-bit CMOS CPU, 236 bytes RAM, 24 I/O lines, UART 16MHz, (ROMless, up to 64K bytes of external ROM).................................	Z86C91-16PSC	.**569-987**					
86E21	ZILOG	40	8-bit CMOS CPU, 8Kb OTP PROM, 256 bytes RAM – 12MHz...............	Z86E21-12PSC	.**505-134**					
8681	ZILOG	40	8-bit NMOS CPU - 8MHz (ROMless, up to 64K bytes of external ROM/RAM)...	Z08681-08PSC	**504-889**†					
			† Available until stocks are exhausted							

Z8 Emulator Accessory kit

ZiLOG

The Z8E001 accessory kit allows the Z86CCP00ZEM to emulate the 18-pin DIP Z8E001 in user target application.

An OTP adapter is included to enable programming of an 18-pin DIP OTP microcontroller.

SEM830

Z8E00100ZAC Accessory Kit ....Order Code 311-3097 | each
Zilog Technical Library CD-ROM ....Order Code 316-7446 | each