

Mfr.	Pins	Description
86E44	ZILOG 40	8-bit Microcontroller, 16Kb OTP PROM, 236 bytes RAM, 32 I/O lines, with selectable oscillator – 12MHz .....
86E61	ZILOG 40	8-bit Microcontroller, 16Kb OTP PROM, 236 bytes RAM, 32 I/O lines, with crystal oscillator – 16MHz .....
86E63	ZILOG 40	8-bit Microcontroller, 32Kb OTP PROM, 236 bytes RAM, 32 I/O lines, with crystal oscillator – 16MHz .....
86E83	ZILOG 28	8-bit Microcontroller, 4Kb OTP PROM, 236 bytes RAM, 21 I/O lines, with crystal oscillator – 16MHz .....
<b>Z8</b>		
80180	ZILOG 64	8-bit CMOS CPU, 10MHz Clock (enhanced Z80) .....
86733	ZILOG 28	8-bit CMOS CPU, 8Kb OTP PROM, 237 bytes RAM, 24 I/O, 8-bit Timers + WDT, Comparators - 12MHz .....
86743	ZILOG 40	8-bit CMOS CPU, 8Kb OTP PROM, 236 bytes RAM, 32 I/O, 8-bit Timers + WDT, Comparators - 12MHz .....
Zilog Technical Library CD-ROM .....		

Mfrs. List No.	Order Code	Price Each			
		1+	10+	100+	250+
Z86E44-12PSC	311-3012				
Z86E61-16PSC	311-3024				
Z86E63-16PSC	311-3036				
Z86E83-16PSC	311-3073				
Z80180-10PSC	311-2718				
Z86733-12PSC	311-2779				
Z86743-12PSC	311-2780				
	316-7446				

Zilog Discrete Z86 Microcontrollers Databook .... Order Code 504-750. **each**

## Z8S180 Evaluation Kit

The evaluation kit consists of an assembled circuit board, software and documentation to support hardware and software development for the Z8S180 device.

- Kit includes:
- Z8S180/ESCC evaluation board
  - Z8S180 micro
  - 18.432MHz crystal
  - Socketed 64K EPROM
  - RS-232 interface and cable
  - Expansion header
  - Reset switch

Sample code is supplied to illustrate Z8S180 in a variety of communications applications.

The supplied cross-assembler and link/loader package allows full assembly language programming support. On-board EPROM resident debug monitor program allows executable code to be downloaded and debugged.

Supplied with a US power lead. UK (439-319), EU (210-699) leads available separately.

Z8S1800ZCO Evaluation Kit.....Order Code 311-2720 **each**

## Z8S180

An enhanced model of the Z80180 with faster execute speeds, power saving modes and EMI noise reduction.

- Features include:
- Core compatible with Z80 CPU
  - Extended instructions
  - Low power down modes
  - On-chip interrupt controller
  - On-chip oscillator/generator
  - Clocked serial I/O port
  - 2 16-bit timers
  - 2 UARTs

Pins	Description
Z8S180 60	8-bit COMS CPU, 20MHz (enhanced Z80180) .....
Z8S180 64	8-bit COMS CPU, 20MHz (enhanced Z80180) .....
Z8S180 68	8-bit COMS CPU, 33MHz (enhanced Z80180) .....

Mfrs. List No.	Order Code	Price Each		
		1+	10+	100+
Z8S180-20PSC1960	311-2755			
Z8S180-20PSC	311-2743			
Z8S180-33VSC	<b>SMD 311-2767</b>			

## Z8S180 Emulator

The Z8S180E Emulator provides the hardware, software and documentation necessary to evaluate, design and develop using the Z8S180 MPU.

It provides a learning environment for the Z80/Z8S180 architectures and an emulator for designs.

The kit contains a monitor program which provides downloading and runs programs with or without breakpoints, displaying and filing memory locations, comparing contents of memory and reading/writing from the I/O ports.

- Board assembly includes:
- Z8S180 MPU
  - 18.432 crystal
  - 8K 8 SRAM
  - 8K 8 EPROM (contains debug monitor)
  - FPGA (controls emulation, ROM and RAM decoding)
  - 68 PLCC emulation adapter
  - RS-232 line driver/receiver
  - Reset buttons

- Kit also includes:
- Z8S180 and cross assembler utility disks
  - Manual, databook and user guide

Supplied with a US power lead. UK (439-319), EU (210-699) leads available separately.

Z8S1800ZEM Emulator .....Order Code 311-2731 **each**

## Z80S183

The Z80S183 is a highly integrated general purpose mixed signal microcontroller. It contains the full features of the Z80S180 device, with an enhanced structure which offers:

- 32-bits of general purpose I/O
- A/D converter with 8 multiplexed Inputs
- 33MHz speed
- D/A converter
- 2 x enhanced UARTs
- 2 x 16-bit timers
- Real-time clock
- Low power PLL oscillator
- 5V & 3.3V operation

Pins	Description
Z80S183 100	8-bit Mixed signal CPU, 33MHz (Enhanced Z80S180)

Mfrs List No.	Order Code	Price Each		
		1+	10+	100+
Z80S183AZ033SCR4567	<b>SMD 344-7900</b>			

## Z80S183 Development Tools

The **Z80S183 Evaluation Kit** is a general purpose platform that allows the user to evaluate the capabilities of the Z80S183 integrate controller. It can be operated in a stand-alone mode or attached to a PC via the ZPAK emulator. Features of the Evaluation Kit include:

- De-bug Monitor including PC download
- Analogue loop-back for DAC/ADC
- Reset & NMI Pushbuttons
- 128K x 8, 32 pin SRAM on board
- Up to 33MHz operation
- RS232 Serial port
- Extension Busses available
- 32 pin ROM socket
- 0.1R resistor site for 5V analogue and digital power measurement

Note: requires a 9V dc power input

The **ZPAK Emulator** provides full emulation for ZILOG processors equipped with on-chip support hardware. With the included software, the user can write, edit and debug code. The emulator can be used in conjunction with the Z80S183 Evaluation board. Key features include:

- 40MHz processor providing Serial Comms to PC, Debug monitor, I/O mapped ZDI control register interface
- Connection to target board via 6-pin header
- Manuals and documentation
- 128Kb FLASH memory
- 512Kb SRAM memory
- ZILOG Developer Studio software
- PC serial Communication leads

Z80S183 Evaluation Kit  
Z80S183 Emulator/Debug Module

Mfrs List No.	Order Code	Price Each	
		1+	
Z80S1830100ZCO	<b>344-7893</b>		
ZDI123200ZPK	<b>344-7911</b>		