

Programming Adapters

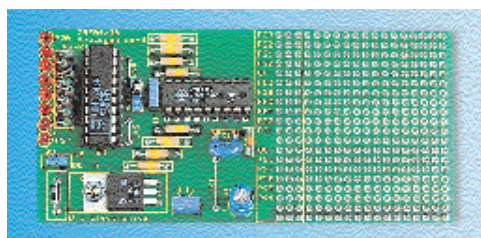
Z86E0700ZDP	Adapts an 18-pin SOIC package to an 18-pin DIP
Z86E2101ZDV	Adapts an 44-pin PLCC package to an 40-pin DIP
Z86E3400ZDP	Adapts an 28-pin DIP package to an 18-pin DIP
Z86E3400ZDS	Adapts an 28-pin SOIC package to an 18-pin DIP
Z86E3400ZDV	Adapts an 28-pin PLCC package to an 18-pin DIP
Z86E4400ZDP	Adapts an 40-pin DIP package to an 18-pin DIP
Z86E4400ZDV	Adapts an 44-pin DIP package to an 18-pin DIP
Z86E8300ZDP	Adapts an 28-pin DIP package to an 28-pin DIP
Z86E8300ZDS	Adapts an 28-pin SOIC package to an 28-pin DIP
Z86E8300ZDV	Adapts an 28-pin PLCC package to an 28-pin DIP

Order Code

Price Each

311-2846
311-2871
311-2913
311-2925
311-2937
311-2998
311-3000
311-3048
311-3050
311-3061

Z86 Prototype Boards



Microcontroller not supplied.

Two prototype boards which provide a low cost means of getting designs up and running using the Zilog Z86E03/04/06/08/30/31 range of microcontrollers.

Ideal for use in evaluating lab ideas, one off projects and demonstrations as well as gaining experience with the workings of the Z86 device. Fault finding is quicker than on hand wired or veroboard type of construction allowing quicker time to development.

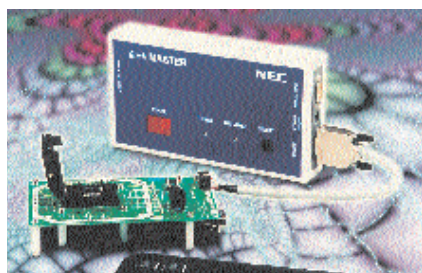
Both fully assembled boards are supplied with all the necessary components which allow the user to begin designing and there is also a prototype area for customisation.

Z86E03/04/06/08 Prototype Board Order Code 572-202

each

78K Development Tools and Microcontrollers

flashMASTER



The flashMASTER is a FLASH writer for the NEC flash devices. On board flash memory allows for flash programming in standalone mode. The flashMASTER can erase, write and verify data up to 1Mb.

Included with the flashMASTER is a power supply, serial interface cables to target and host, installation disk and a manual.

Features:

- Enables programming in-situ
- Voltage supply up to 100mA, (2.5-5.5V) to support programming adapter
- EEPROM holds all parameters
- Runs under Wins 95/NT
- Interface with host via RS-232, centronics
- Supports 78K0 and 78K0S ranges
- Interface to target via CSI, UART
- Supplied European power supply

flashMASTER programmer Order Code 316-1286

each

78K0

The 78P014 is a high performance, CMOS, 8-bit microcontroller. Features include 32K bytes of OTP PROM, 1056 bytes RAM, 53 I/O lines, 14 interrupts, 3 timers and an 8-channel A/D converter.

Mfrs. List No.	ROM (Kb)	RAM (bytes)	I/O	ADC/DAC	Timers	Serial I/O	Special Functions	Voltage	Pins/Package
78K0									
UPD78F0034ACW	32 FLASH	1K	51	8 10 ADC	5	1 UART, 2 CSI	2 8bit PWM	1.8-5.5, 2.7-5.5	64/SDIP
UPD78F0034AGC	32 FLASH	1K	51	8 10 ADC	5	1 UART, 1 CSI	2 8bit PWM	1.8-5.5, 2.7-5.5	64/QFP
UPD78F0034AYCW	32 FLASH	1K	51	8 10 ADC	5	1 UART, 2 CSI, I ² C	2 8bit PWM	1.8-5.5, 2.7-5.5	64/SDIP
UPD78F0034AYGC	32 FLASH	1K	51	8 10 ADC	5	1 UART, 2 CSI	2 8bit PWM	1.8-5.5, 2.7-5.5	64/QFP
UPD78P0308GF	60 OTP	2K	57	8 8 ADC	5	1 UART, 1 CSI	40 4 LCD	1.8-5.5	100/QFP
UPD78070AGF	ROMless	1K	61	8 8 ADC	7	1 UART, 1 CSI	2 8bit PWM	2.7-5.5	100/QFP
				2 8 ADC					
UPD78070AYGF	ROMless	1K	61	8 8 ADC	7	1 UART, 1 CSI or I ² C	2 8bit PWM	2.7-5.5	100/QFP
				2 8 ADC					
UPD78P014CW	32	1K	53	8 10 ADC	3				64/SDIP
78K0S									
UPD78F9026ACU	16 FLASH	256	34		3	1 UART		1.8-5.5	42/SDIP
UPD78F9026AGB	16 FLASH	256	34		3	1 UART		1.8-5.5	44/QFP
UPD78F9116MC	16 FLASH	256	20	4 10 ADC	3	1 UART or SPI	1 8bit PWM	1.8-5.5	30/SSOP
UPD78F9418AGC	32 FLASH	512	44	7 10 ADC	6	1 UART	28 4 LCD	1.8-5.5	80/QFP

Price Each

Order Code	1+	10+	100+
316-1250			
316-1390			
316-1262			
SMD 316-1274			
SMD 316-1407			
SMD 316-1419			
SMD 316-1420			
526-514			
316-1432			
SMD 316-1444			
316-1249			
SMD 316-1389			

78K0 series System Simulators

The system simulates the machine language instruction, the 78K0/78K0S micro operations including the internal peripherals and interrupts, and the operation of the target application. It implements the operations of an in-circuit emulator and target system in software combining these with an integrated debugger as one program, verifying logic and performance of an application. External circuit performance can be visually displayed as can the I/O data of the pins being simulated and interrupt signals.

The simulator can supply all necessary parts to provide a psuedo target system. General purpose parts can be selected from a dialog menu with changeable layout and display of each part.

Other features include back trace to restore status to pre-execution of an instruction. Hardware breakpoints and trace buffers are supported so not to limit functions of the simulator by hardware.

DSWIN-I3HD-780XX, Simulator for 78K0 Order Code 316-1304
 DSWIN-I3HD-789XX, Simulator for 78K0S Order Code 316-1316

each
 each

IAR Workbench for 78K0/78K0S

The embedded workbench includes a compiler, assembler and linker with functionality of a project manager system.

The IAR C Compiler offers standard C language and chip specific features and assembler.

It features fast compilation, rigorous type checking at compile and link times, code optimization, one pass assembly, integration with the linker and librarian. The linker converts object files produced by the assembler or C compiler to machine code ready to be programmed into an EPROM, downloaded to a hardware emulator or run directly on the host computer. The librarian supports modular programming by listing, adding, replacing deleting or renaming modules or segments.

The simulator and the flash programmer can work via the embedded workbench

IAR Embedded Workbench for 78K0 and 78K0S... Order Code 316-1298

each