



Z86E1800ZDS

OTP PROGRAMMING ADAPTER

GENERAL DESCRIPTION

The Z86E18 OTP Programming Adapter allows the Zilog Z86CCP00ZEM Emulator to program the Z86E18 one time programmable (OTP) microcontroller in a 28-pin SOIC package.

SUPPORT DEVICES

Packages	Devices
28-Pin SOIC	Z86E18

SPECIFICATIONS

Dimensions

Height: 0.875 in. (2.22 cm)
Width: 1.375 in. (3.49 cm)
Length: 2.125 in. (5.39 cm)

Power Requirements

Not Applicable

Operating Temperature

20°C, ±10°C

Operating Humidity

10-90% RH (Non-Condensing)

PACKAGE CONTENTS

Hardware

Quantity	Description
One (1)	Z86E18 SOIC Converter (99C0581-001)

Software

Quantity	Description
One (1)	ZPROG GUI S/W Diskette (25C0173-002)

Documentation

- User's Guide

INSTALLATION PROCEDURES

To install the Z86E1800ZDS OTP Programming Adapter, perform the following steps:

1. Ensure that all necessary software (refer to the *Software Installation* section of the README.TXT file on the ZPROG GUI's diskette) and hardware (Z86CCP00ZEM) are properly installed.
2. Start the ZPROG GUI S/W application (Z86E18 if using GUI B3.12 or later).
3. Select Z86C40/E40 in the configuration window for 4K code.
4. Open the Z8 Code Memory and Debug window.
5. Select the FILE menu to download the Z86E18 code to be programmed.
6. Select the OTP menu.
7. In the OTP Device list box, select the target OTP as follows:
 - a. When using ZPROG W3.10, select Z86E15 as your target OTP.
 - b. When using ZPROG B3.12 or later, select Z86E18 as your target OTP.
8. Plug the Z86E18 OTP Programming Adapter into the 40-pin ZIF socket of the Zilog emulator, carefully aligning pin 1 of the adapter to pin 1 of the emulator 40-pin socket.
9. Plug the Z86E18 device into the 28-pin SOIC ZIF socket of the adapter, carefully aligning pin 1 of the device to pin 1 of the adapter socket.
10. Begin programming.

Note: To ensure proper electrical connections, you may need to clean and inspect both the emulator's 40-pin ZIF socket and the OTP programming adapter's sockets.

ADDITIONAL ITEMS REQUIRED (NOT SUPPLIED)

- ZPROG GUI S/W W3.10 or B3.12 (Required)

This is a dummy page for the schematic.

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