



Z86E4400100ZDFG

OTP Programming Adapter

PUG002301-0806

Product User Guide

General Description

The Z86E44 OTP Programming Adapter allows the ZiLOG Z86C5000ZEM and Z86CCP00ZEM Emulators to program the Z86E44 One-Time Programmable (OTP) microcontroller in a 44-pin LQFP package.

Supported Devices

Package	Emulator/Programmer	Devices
44-pin LQFP	Z86C5000ZEM	Z86E43/743/E44
44-pin LQFP	Z86CCP01ZEM	Z86E43/743

Package Contents

Hardware

- One (1) 44-pin LQFP OTP Programming Adapter

Documentation

- Product User Guide

Programming Procedures

1. Ensure that all necessary software and hardware are properly installed.
2. Start the ZDS I IDE application.
3. Open your project and connect to the emulator/programmer
4. Select the Tools > OTP > OTP... menu.
5. In the OTP "Device" list box, select "Z86E43, Z86743, or Z86E44," depending on your target OTP.
6. Insert the Z86E44 OTP Programming Adapter into the 18-pin ZIF socket of the ZiLOG emulator, carefully aligning pin 1 of the adapter to pin 1 of the emulator's 18-pin ZIF socket.



7. Insert the Z86E44 device into the 44-pin LQFP ZIF socket of the adapter, carefully aligning pin 1 of the device to pin 1 of the adapter socket.
8. Begin programming.

► **Note:** To ensure proper electrical connections, you might need to clean and inspect both the emulator's 18-pin ZIF socket and the OTP programmer adapter's sockets.



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