Z8927302ZAC

Z89273 ACCESSORY KIT

GENERAL DESCRIPTION

The Z8927302 Accessory Kit is specifically designed to enable the Z8932302ZEM Emulator to program the Z89273 PLCC OTP. In addition, the Accessory Kit provides the necessary in-circuit emulation of 44-pin PLCC devices.

SUPPORTED DEVICES

Packages	OTP Programming	In-Circuit Emulation
44-pin PLCC	Z89273	Z89223, Z89273

SPECIFICATIONS

Operating Temperature
20°C, ±10°C
Operating Humidity
10%–90% RH (noncondensing)

PACKAGE CONTENTS

Hardware
Z89273 PLCC Programming Adapter (99C0484-001)
Z89273 PLCC Emulation Pod w/ cable (93C0056-001)
Documentation
Data Sheet

Additional Items Required (Not Supplied)
Z8932301ZEM or Z8932302ZEM Emulator as OTP Programmer
DSP ICE GUI Software, version C3.12A or later

PROGRAMMING ADAPTER INSTALLATION PROCEDURE

1. Ensure that all necessary hardware and software is properly installed.
2. Plug the Programming Adapter into the 40-pin DIP socket of the ZEM emulator. Carefully align pin 1 of the adapter to pin 1 of the 40-pin socket.
3. Power up the system.
4. Start the DSP GUI application.
5. Open either the DSP Code Memory window or the Debug window.
6. Select the File menu to download the object code to be programmed.
7. Select the OTP menu item.
8. Make sure the device label faces up. Plug a Z89273 OTP device into the 44-pin PLCC ZIF socket of the programming adapter. Carefully align pin 1 of the OTP with the silk screen marker of pin 1 on the programming adapter board. Insert the OTP device gently, and let it sit tight and flat inside the ZIF socket.
9. Begin programming by clicking the Program button on the DSP GUI.
10. After successful programming, remove the device by pushing the socket down and popping the OTP device out of the socket.

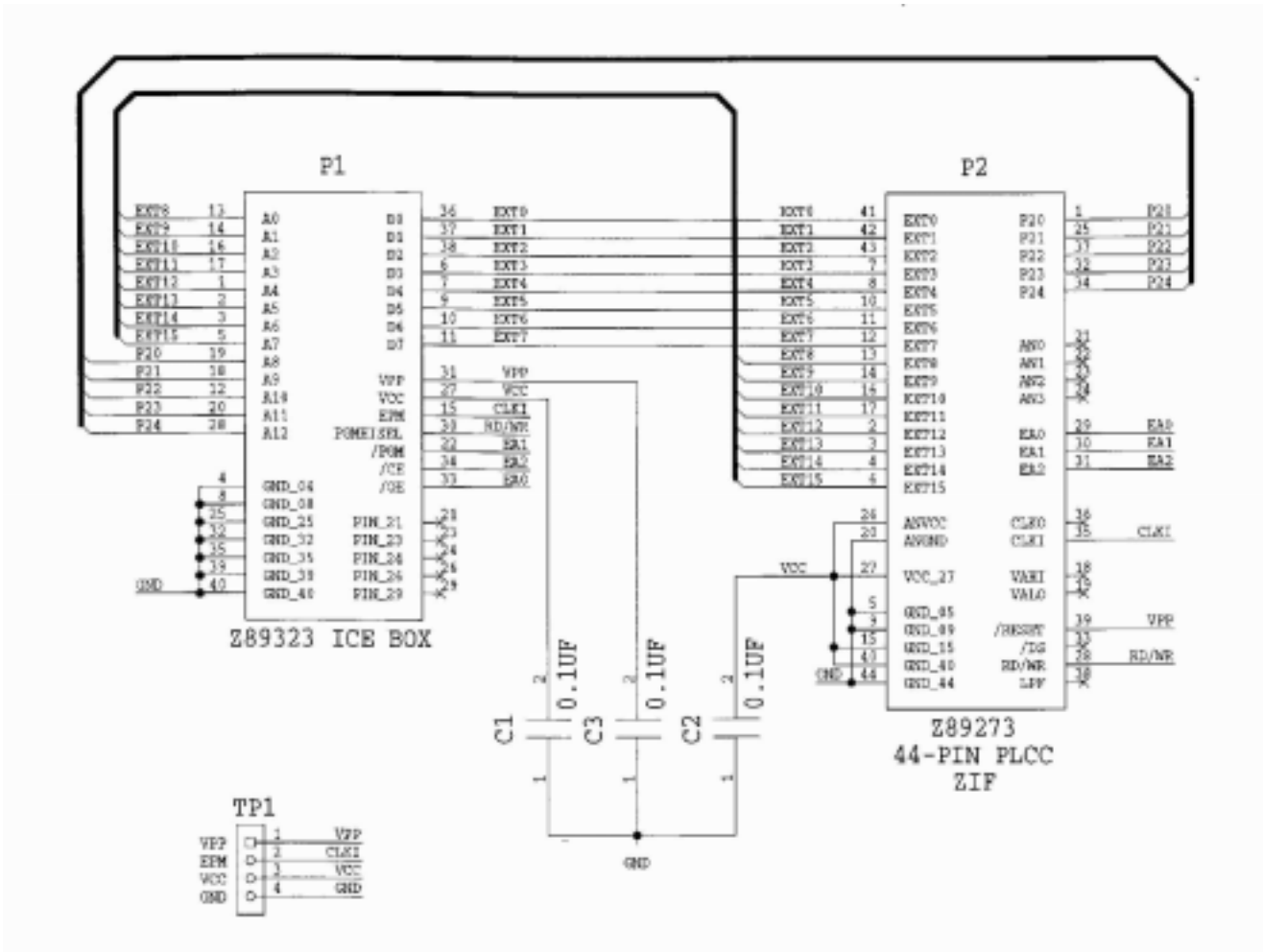


Figure 1. Schematic for Z89273 Programming Adapter

EMULATION POD INSTALLATION PROCEDURE

1. Ensure that all necessary emulator hardware and software is properly installed. Turn off all power associated with the emulator and target application.
2. Plug the Emulation Pod cable into the Yamaichi 40x2 pin connectors on the Z8932302ZEM. Plug the cable from P4 on the emulator pod to P2 on the Z8932302ZEM. Plug the cable from P3 on the emulator pod into P1 on the Z8932302ZEM.
3. Line up pin 1 on the emulator pod with pin 1 on the target application socket. Insert the pod into the socket.
4. Power up the emulator, then press the RESET button.
5. Power up the target application.
6. Open the Debug and the DSP Code Memory Windows.
7. Select the File menu to download the application or object code to be executed during emulation.
8. Begin emulation by pressing the GO button in the GUI Debug window.
9. After successful emulation, first power down the target application board.
10. Remove the emulation pod from the target.
11. Power down the emulator.

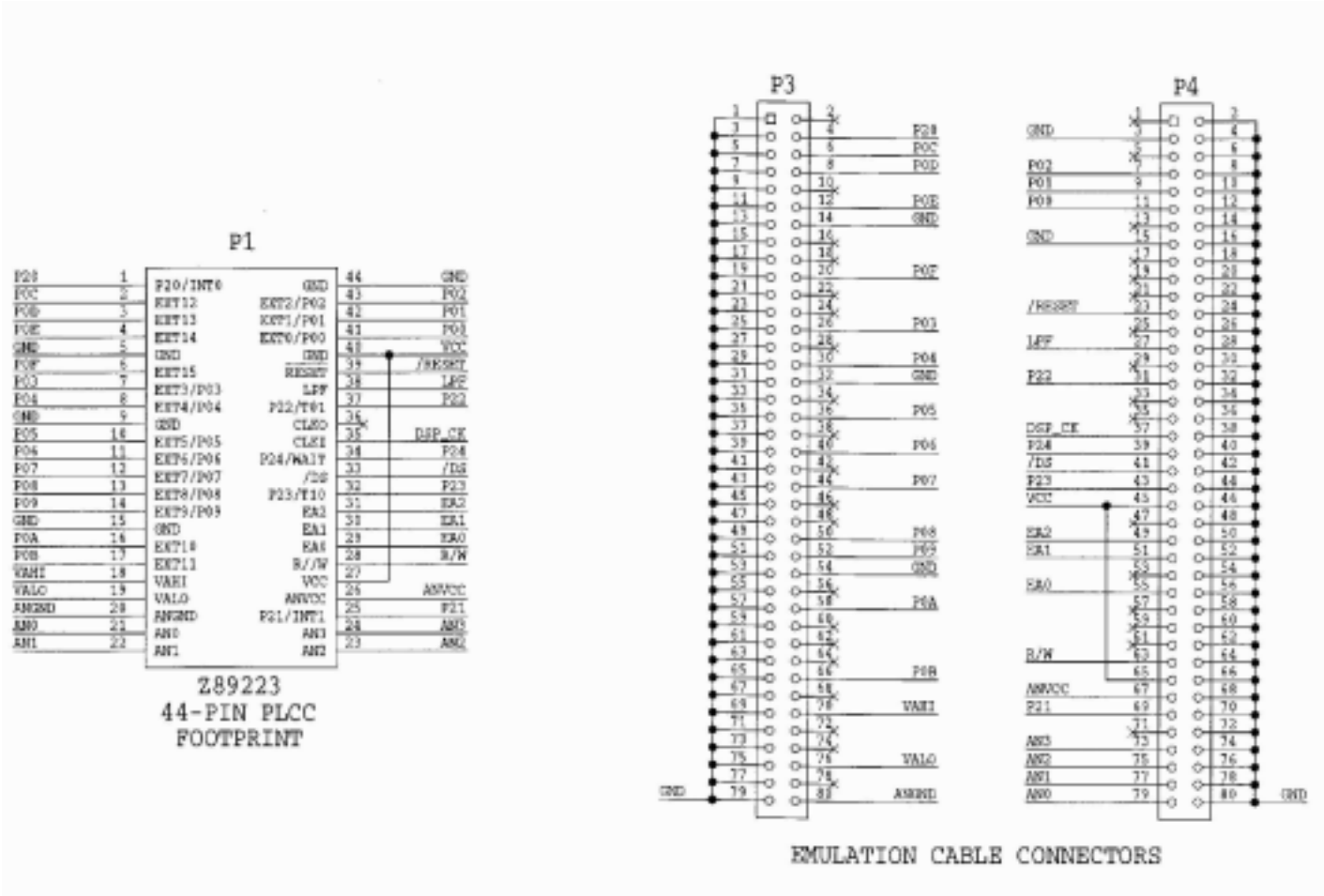


Figure 2. Schematic for Z89223 44-PLCC Emulation Pod

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