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Z8937301ZAC

Z89373 ACCESSORY KIT

GENERAL DESCRIPTION

The Z89373 Accessory Kit is specifically designed to enable the Z8932101ZEM Emulator to program the Z89373 OTPs. In addition, the Accessory Kit provides the necessary in-circuit emulation of 68-pin PLCC devices.

SUPPORTED DEVICES

Packages	OTP Programming	In-Circuit Emulation
68-pin PLCC	Z89373	Z89323, Z89373
80-pin QFP	Z89373	

SPECIFICATIONS

Operating Temperature

20°C, ±10°C

Operating Humidity

10%–90% RH (noncondensing)

PACKAGE CONTENTS

Hardware

Z89373 Programming Adapter (99C0480-001)

68-pin PLCC Emulation Pod with cable assembly (93C055-001)

Emulation Pod Adapter (99C0605-001)

Documentation

Data Sheet

Additional Items Required (Not Supplied)

Z8932301ZEM Emulator

DSP ICE GUI Software, version C3.12A or later

PROGRAMMING ADAPTER INSTALLATION PROCEDURE

1. Ensure that all the 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 Z89373 OTP device into the PLCC or QFP ZIF socket of the programming adapter. Carefully align pin 1 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. For QFP devices, close the lid of the 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.

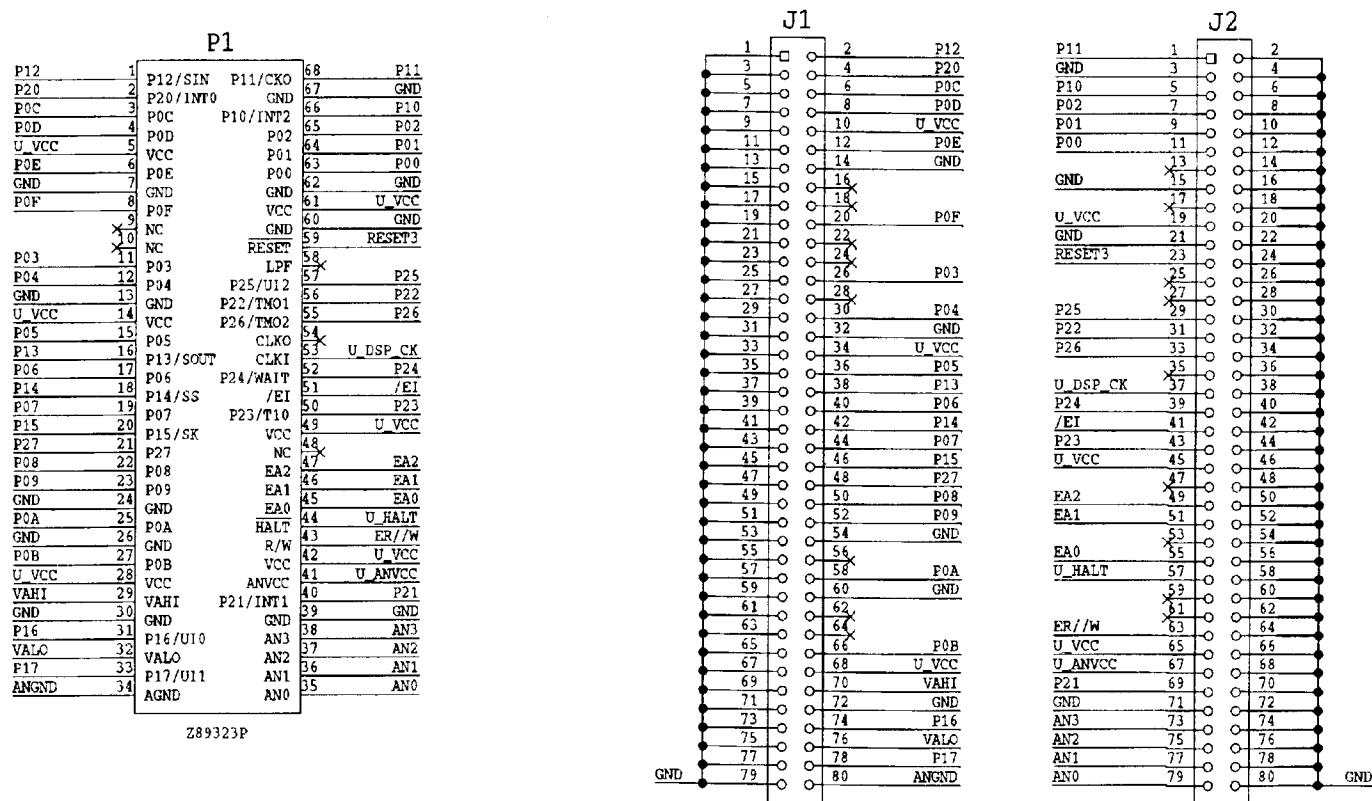


Figure 1. Schematic for Z89323 68-pin PLCC Emulation Pod

EMULATION POD INSTALLATION PROCEDURE

1. Ensure that all the necessary emulator hardware and software is properly installed. Turn off all power associated with the emulator and target application.
2. Line up the sockets on the Emulation Pod Adapter with the header pins on the Z8932301ZEM. Place JP2 on the adapter over JP2 on the emulator board, and JP3 over JP3, respectively. Press the adapter firmly down into place.
3. Plug the Emulation Pod cable into the Yamaichi 40x2 pin connectors on the Emulation Pod Adapter. Plug the cable from J2 into P2. Plug the cable from J1 into P1.
4. Line up pin 1 on the emulator pod with pin 1 on the target application socket. Insert the pod into the socket.
5. Power up the emulator, then press the RESET button.
6. Power up the target application.
7. Open the Debug and the DSP Code Memory Windows.
8. Select the File menu to download the application or object code to be executed during emulation.
9. Begin emulation by pressing the GO button in the GUI Debug window.
10. After successful emulation, first power down the target application board.
11. Remove the emulation pod from the target.
12. Power down the emulator.

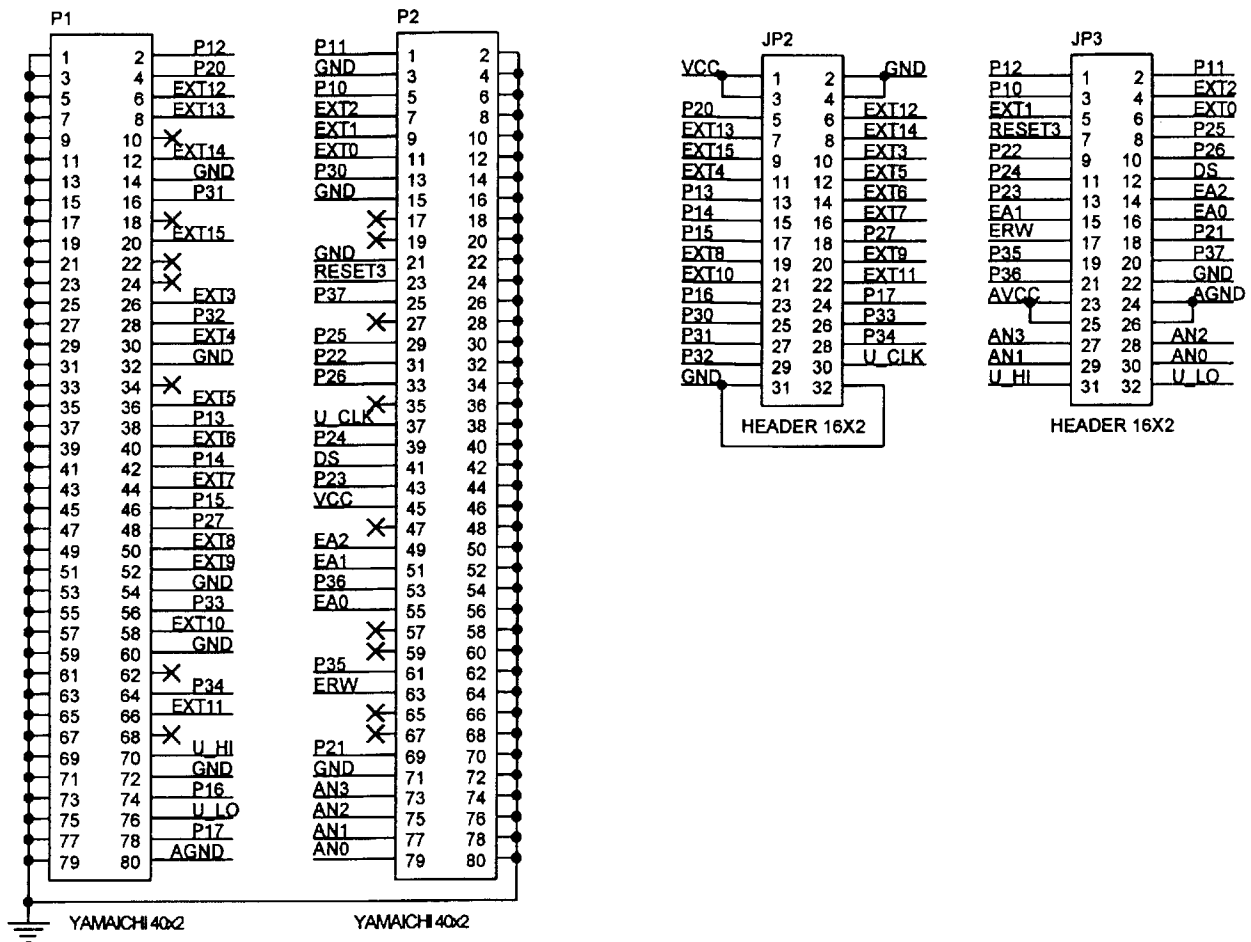


Figure 2. Schematic for Z89323 Emulation Pod Adapter

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