AMIDAR

FREE PLAY + HIGH SCORE SAVE KIT

ORIGINAL KONAMI ARCADE HARDWARE



STANDARD + WI-FI EDITIONS

PCB identification • Z80 installation • Settings • Support

OVERVIEW AND PREPARATION

Before you begin

ONE INSTALLATION - TWO KIT VERSIONS

The Standard and Wi-Fi editions use the same Z80 daughter card installation. The Wi-Fi edition has an additional Wi-Fi module on the daughter card; network setup is covered on page 9.

SAFETY FIRST

Power off and unplug the cabinet before handling the PCB.
Protect against static: use ESD-safe handling and a grounded work area.
Stay clear of monitor power circuitry. This guide addresses the game PCB, not the monitor. If unsure, consult a qualified arcade technician.

PREPARATION CHECKLIST

- Confirm the game works: Verify normal operation before installing the kit.
- Document connections: Photograph the PCB, cable orientation and connectors.
- Disconnect carefully: Label each connector and remove the PCB with power off.
- Use a clean bench: Set the PCB on an ESD-safe, well-lit work surface.
- Check the socket: The Amidar Z80 position must have a compatible 40-pin socket.

WHAT'S INCLUDED

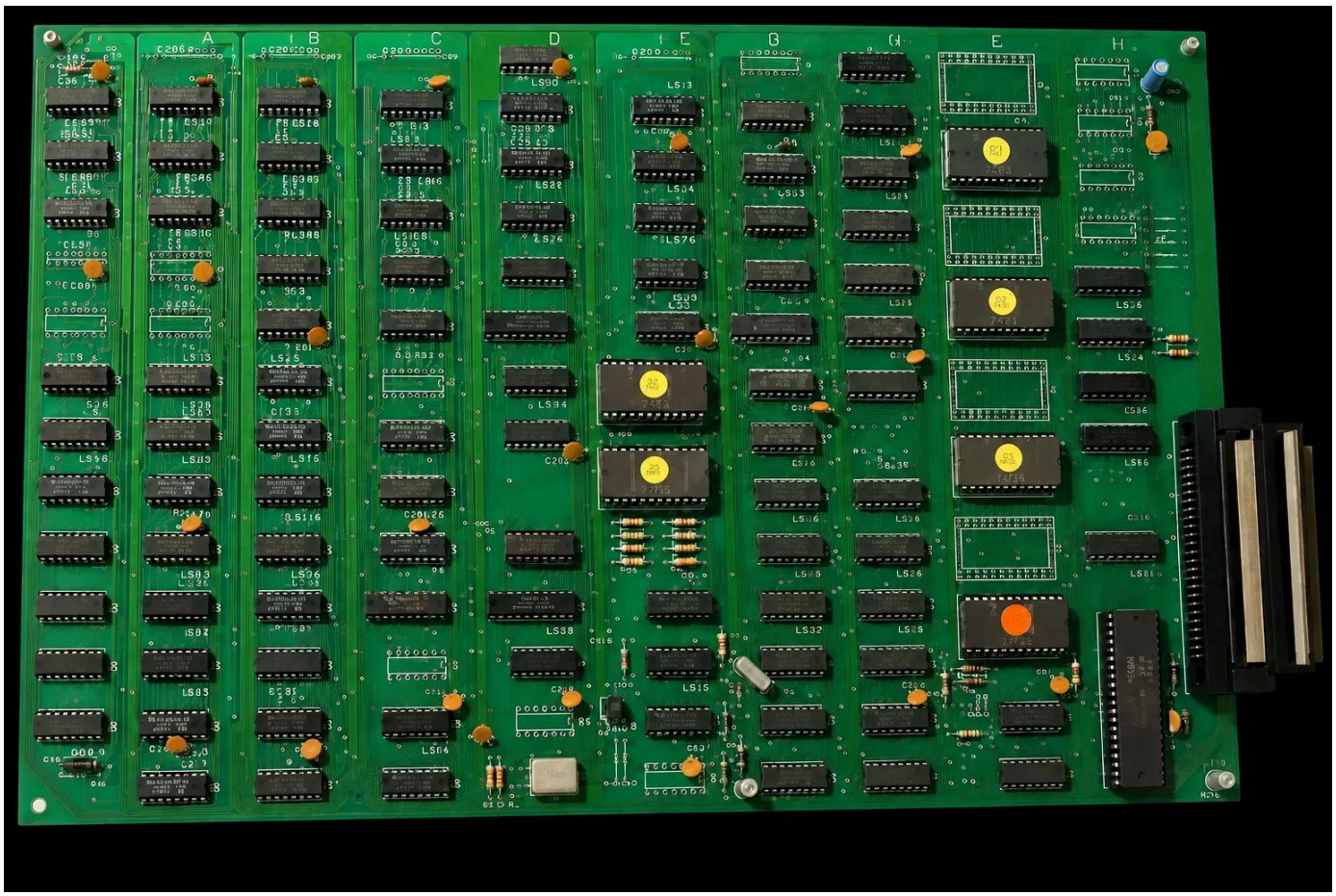
1 × HighScoreSaves Z80 daughter card. A compatible Z80 CPU is required: reuse your original socketed processor or a replacement selected with your order. The Wi-Fi version includes its Wi-Fi module.

Hardware compatibility: Documented compatible original Konami Amidar PCB. This guide is not for unrelated arcade boards.

STEP 0 / BOARD IDENTIFICATION

Identify the correct Amidar PCB

Identify the original Amidar PCB shown below. Locate its Z80 processor position. The HighScoreSaves daughter card installs at this location; the original Z80 must be socketed before installation.



Original Amidar PCB reference from the supplied installation guide.

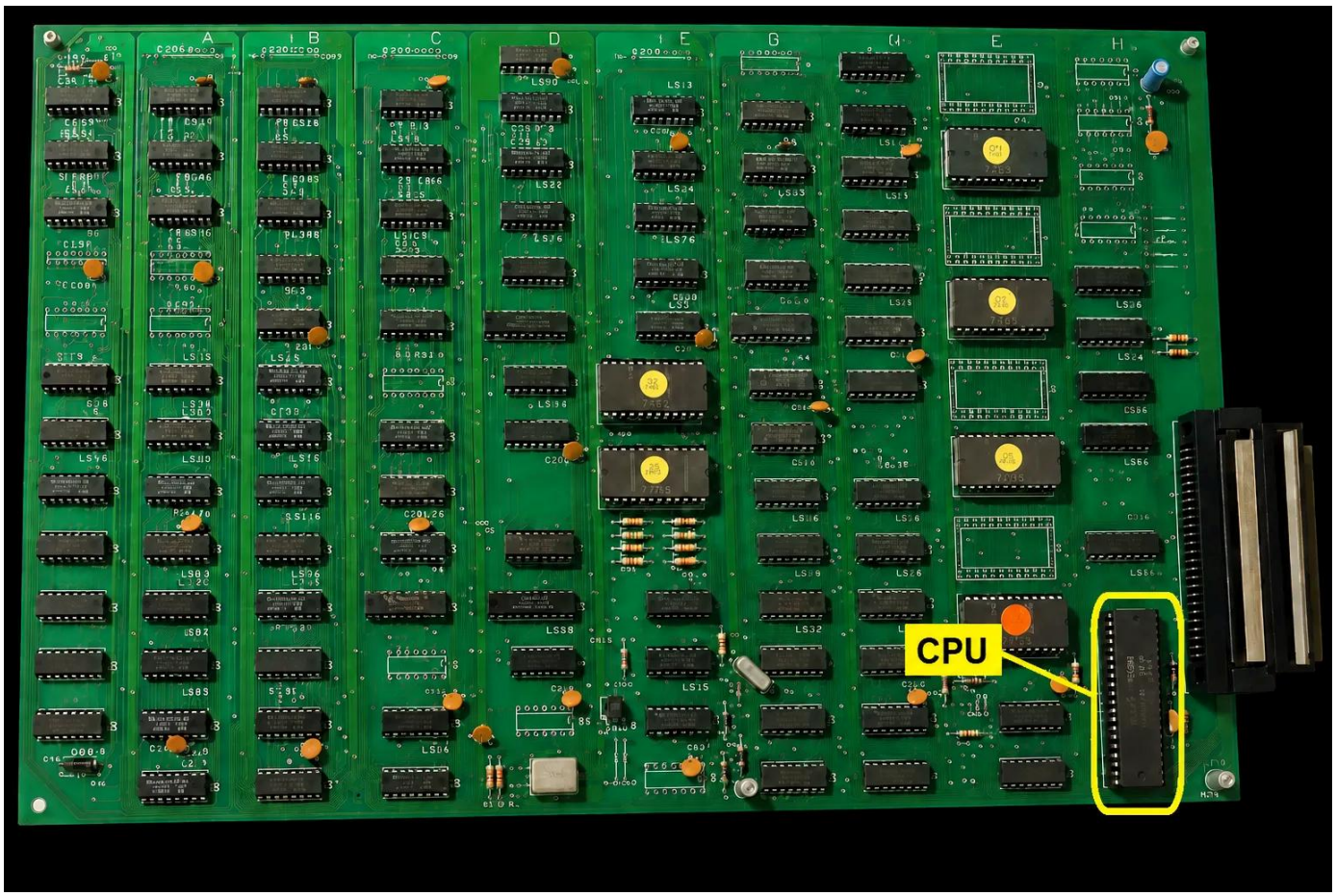
> **DO NOT GUESS AT THE CPU LOCATION**
>
> If your board does not match the photograph, or the CPU is soldered directly to the PCB, stop and verify the hardware. A qualified technician must install the required 40-pin socket.

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STEP 1 / REMOVE THE CPU

Remove the original Z80 processor

Locate the original Z80 processor outlined in yellow in the photograph. With power disconnected and the PCB safely removed, carefully remove the Z80 from its socket. Note its orientation for the next step.



Original source photograph: the yellow CPU outline identifies the Z80 processor.

REMOVAL NOTES

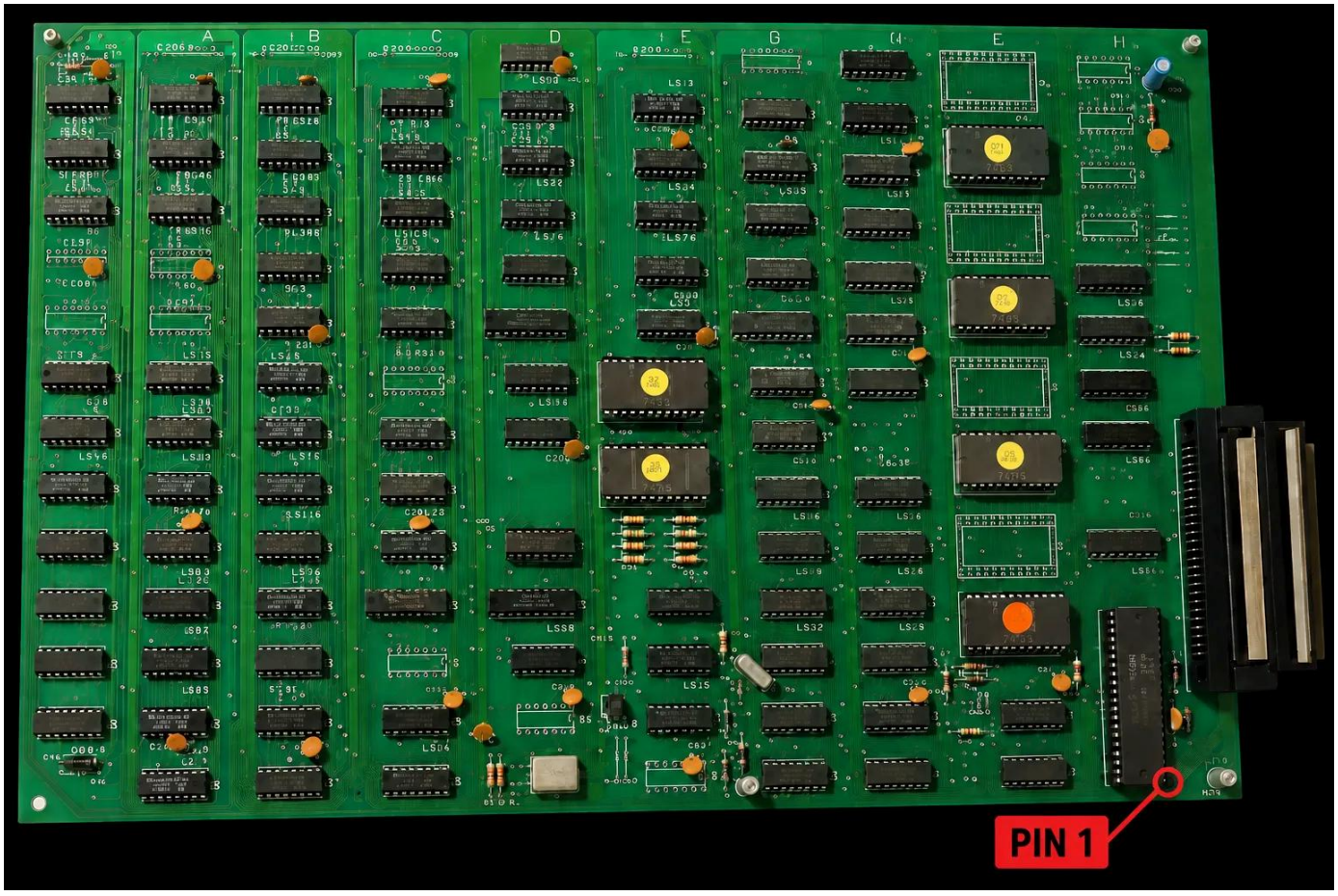
Lift the CPU evenly from both ends with a suitable chip puller. Avoid bending pins or levering against surrounding parts. Do not proceed if the CPU is soldered in place.

STEP 2 / CPU ORIENTATION

Fit the Z80 to the daughter card

CRITICAL: PIN 1 ORIENTATION

Align Pin 1 of the Z80 CPU with Pin 1 of the HighScoreSaves daughter-card socket. The photograph below identifies Pin 1 at the original Amidar PCB location; it is not a photo of the daughter card.



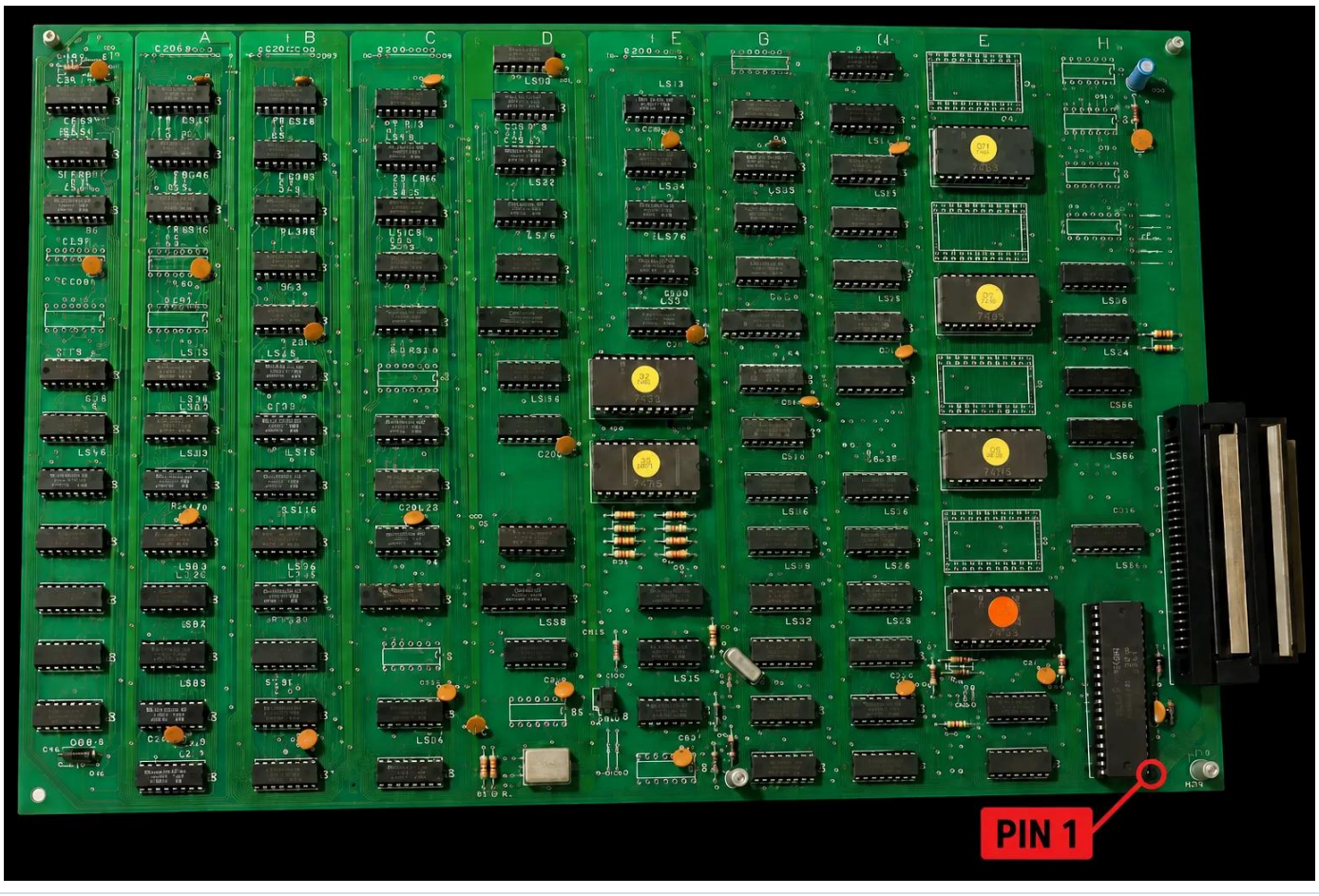
Original Amidar PCB photograph: the red PIN 1 marker identifies orientation on the original board.

Inspect all 40 CPU pins before insertion. Seat the CPU evenly in the daughter-card socket; never force a bent pin. Match the Pin 1 mark on the daughter card.

STEP 3 / SEAT DAUGHTER CARD

Install the assembled daughter card

With the Z80 installed in the daughter-card socket and oriented correctly, install the assembled daughter card into the original Z80 socket on the Amidar PCB. Align every pin, then press evenly until fully seated.



Reference photo: original Z80 socket location and Pin 1. The daughter card is not shown installed.

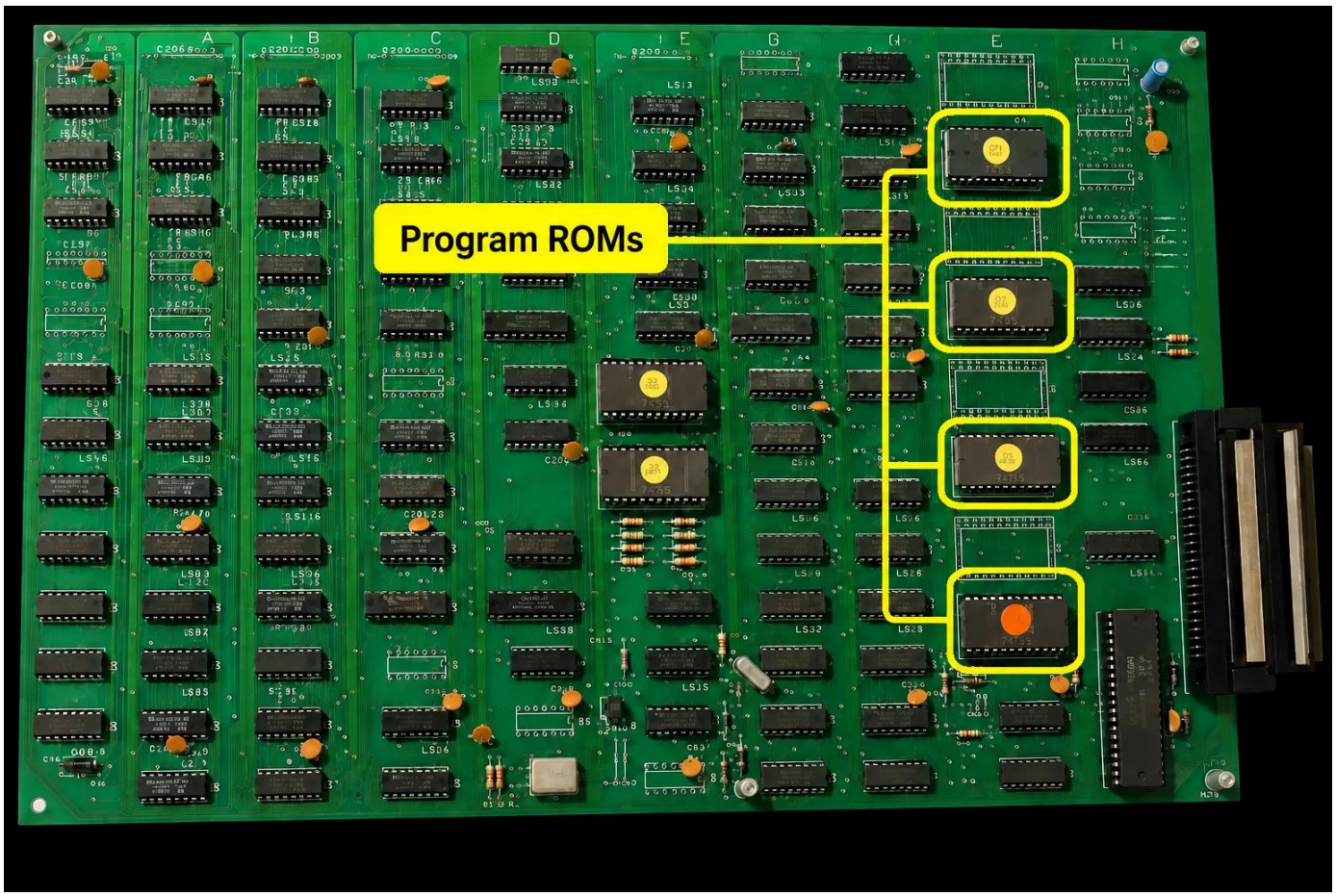
CLEARANCE CHECK

Verify that no components on the original PCB contact or press against the underside of the daughter card. Check alignment and clearance before restoring cabinet power.

STEP 4 / ROM SAVER

Optional: remove program ROMs

The Amidar kit supports optional removal of the original program ROMs. ROM removal is not required for standard installation. Leave the original ROMs installed if you are not using the ROM Saver option.



Original source photograph: four program ROMs identified by yellow outlines for optional removal.

REMOVE ONLY THE IDENTIFIED ROMs

If using ROM Saver, power off and unplug the cabinet. Remove only the four original program ROMs identified in the photograph. Label and store them safely. Do not remove other chips.

STEP 5 / VERIFY INSTALLATION

Final inspection and first test

BEFORE POWERING ON

- Z80 fitted to the daughter card with correct Pin 1 orientation.
- Daughter card seated in the original Z80 socket; no bent or missed pins.
- No components contacting the underside of the daughter card.
- PCB connectors restored in their original orientation.
- If ROM Saver is used, only the four identified program ROMs have been removed.

POWER-ON TEST

Reinstall the PCB and reconnect cables using your reference photos and labels. Reconnect cabinet power and confirm that the game starts normally. Test gameplay, Free Play settings and saving a qualifying score.

HOW TO ENTER THE SETTINGS MENU

With the cabinet off, hold Player 1 Start while powering on. Continue holding until the screen prompts you to release the button (approximately 4 seconds). The main settings menu will appear.

↗ **Watch Amidar Settings Menu Video**

See the menu access and available settings on YouTube.

IF THE GAME DOES NOT START

Turn the cabinet off immediately and unplug it. Recheck Z80 orientation, daughter-card seating, bent pins, clearance and all connectors. Contact HighScoreSaves if the problem persists.

FOR WI-FI EDITIONS ONLY

Wi-Fi-enabled kit setup

SAME PHYSICAL INSTALLATION

The Wi-Fi kit uses the same Z80 socket installation as the Standard kit. It additionally carries a Wi-Fi module. Complete the physical installation and verify normal game operation first.

AFTER THE ARCADE KIT IS WORKING

1. **Obtain your PK and SK account keys**

   Follow the setup emails and instructions sent by HighScoreSaves for your Wi-Fi leaderboard account.

2. **Enter online settings in the kit menu**

   Enter the supplied PK and SK keys exactly, enable online scoring as instructed, and save settings.

3. **Connect the module to Wi-Fi**

   Use the current module setup instructions to connect to a compatible 2.4 GHz network.

4. **Test an online score**

   After setup, play and submit a qualifying score; check the linked online leaderboard.

KEEP YOUR PK / SK KEYS PRIVATE

Wi-Fi configuration is version-specific. Use the current HighScoreSaves online setup guide for the full connection steps and troubleshooting. Local score saving remains available without Wi-Fi.

↗ **Open complete Wi-Fi setup instructions**

Current Wi-Fi instructions, network setup and online score information.

LINKS / REFERENCE

Helpful resources and support

These links are clickable in the PDF. For current documentation, setup instructions and kit-specific information, use the live HighScoreSaves pages below.

Amidar kit product page
Kit versions, supported features and parts options

Amidar PCB compatibility
Confirm original Konami board and Z80 requirements

Amidar settings-menu video
Watch the settings menu guide on YouTube

HighScoreSaves kit tips
Menu access, score features, backups and troubleshooting

Wi-Fi setup and Standard comparison
Current Wi-Fi instructions, PK/SK keys and network setup

Installation guide library
Find PDF guides for other HighScoreSaves kits

Contact HighScoreSaves
Support requests and contact information

HighScoreSaves.com • Original arcade PCB upgrades since 2015

Revision history: Rev 1.0 | November 15, 2026 | Redesigned installation guide