

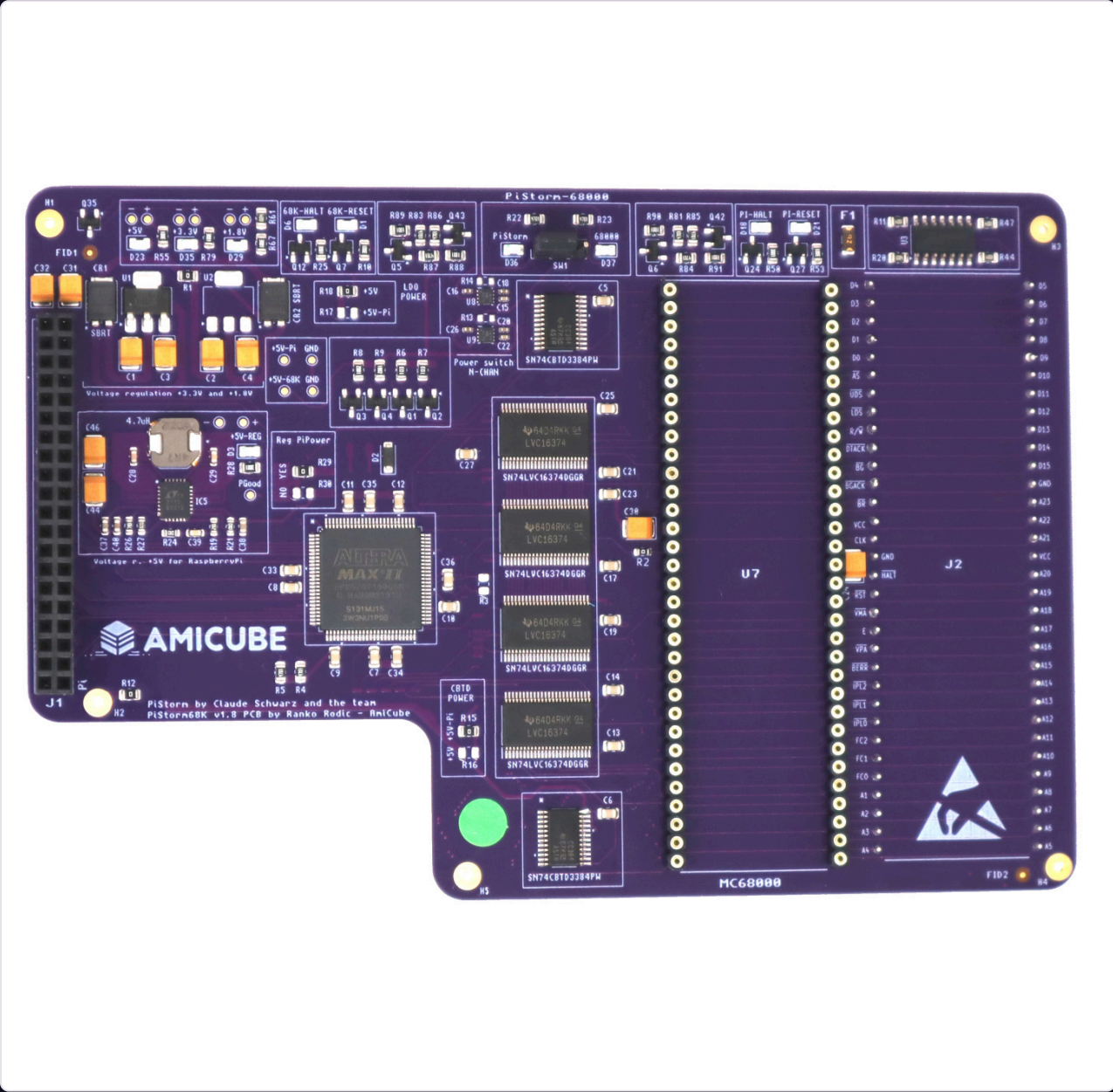
PISTORM68K V1.8 · BY AMICUBE

Two paths. One board.

Raspberry Pi acceleration.
A physical 68000 option.
A selector that brings them together.

- DUAL CPU OPTION
- 6-LAYER ENIG

Ranko Rodic · Minimig.ca



Compare the fast path with the classic path.

PISTORM / RASPBERRY PI

Modern CPU emulation

Run compatible PiStorm software with a suitable Raspberry Pi. Capabilities and performance depend on the Pi, software and host configuration.



PHYSICAL 68000

A real processor

Fit a Motorola 68000-family CPU and select the physical CPU path for compatibility checks and classic hardware behaviour.

The onboard selector removes the need to keep pulling and reinstalling CPU hardware during comparisons.

Follow the host and board setup procedure when changing CPU paths. This presentation does not claim live, uninterrupted CPU switching.

PRACTICAL IMPROVEMENTS YOU CAN SEE

A board made for the bench.

POWER PATH

Electronic switching

TPS22975 load switches control CPU power electronically. The mechanical selector carries the control signal.

PI SUPPLY

Regulated +5 V

An LTC3119 buck-boost converter supports the Raspberry Pi supply, alongside improved decoupling and rail protection.

CONSTRUCTION

Six-layer ENIG PCB

Gold-finished PCB, resettable fuse protection and space for larger Raspberry Pi boards.

CPU selection LEDs, signal indicators and +5 V / +3.3 V / +1.8 V rail LEDs make troubleshooting visible.

Board-only product. Raspberry Pi, MC68000 CPU, case, cables and other accessories are sourced separately unless listed in a bundle.

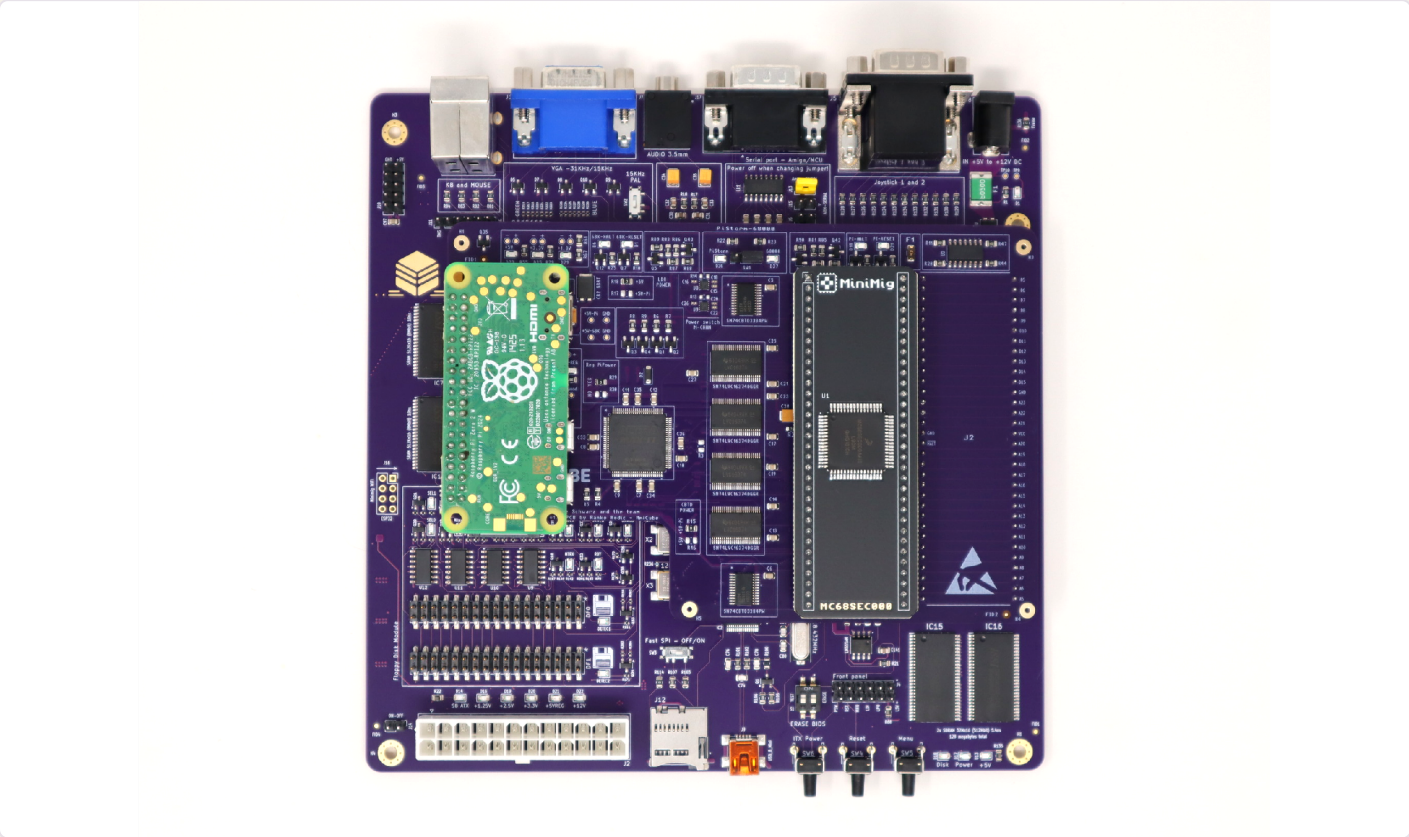
THE HARDWARE FAMILY

An accelerator with room to explore.

PiStorm68K is designed with Minimig and 68000-based retro systems in mind. AmiCube v1.1 adds a dedicated HARD/socket core alongside its separate TG68 SOFT core.

September 8 board records confirm PiStorm, PiStorm68K and 68SEC000 booting on the H5 compatibility candidate.

A500 and A2000 compatibility is not yet fully tested. Those installations remain experimental.



SEPTEMBER 9 HARDWARE MILESTONE

PiStorm CPU. AmiCube graphics.

800 × 600 · 16-bit colour
65,536 colours in the selected mode

The HARD H8 prototype runs Workbench through AmiCube’s native Minimig/Picasso96 RTG path with PiStorm attached.

This is a feature of the demonstrated AmiCube core and driver pairing. PiStorm68K alone does not add the AGA chipset or this board’s VGA output.



Real hardware photo from the H8 cost043 record; broader qualification remains in progress.

WORLD OF RETRO COMPUTING EXPO

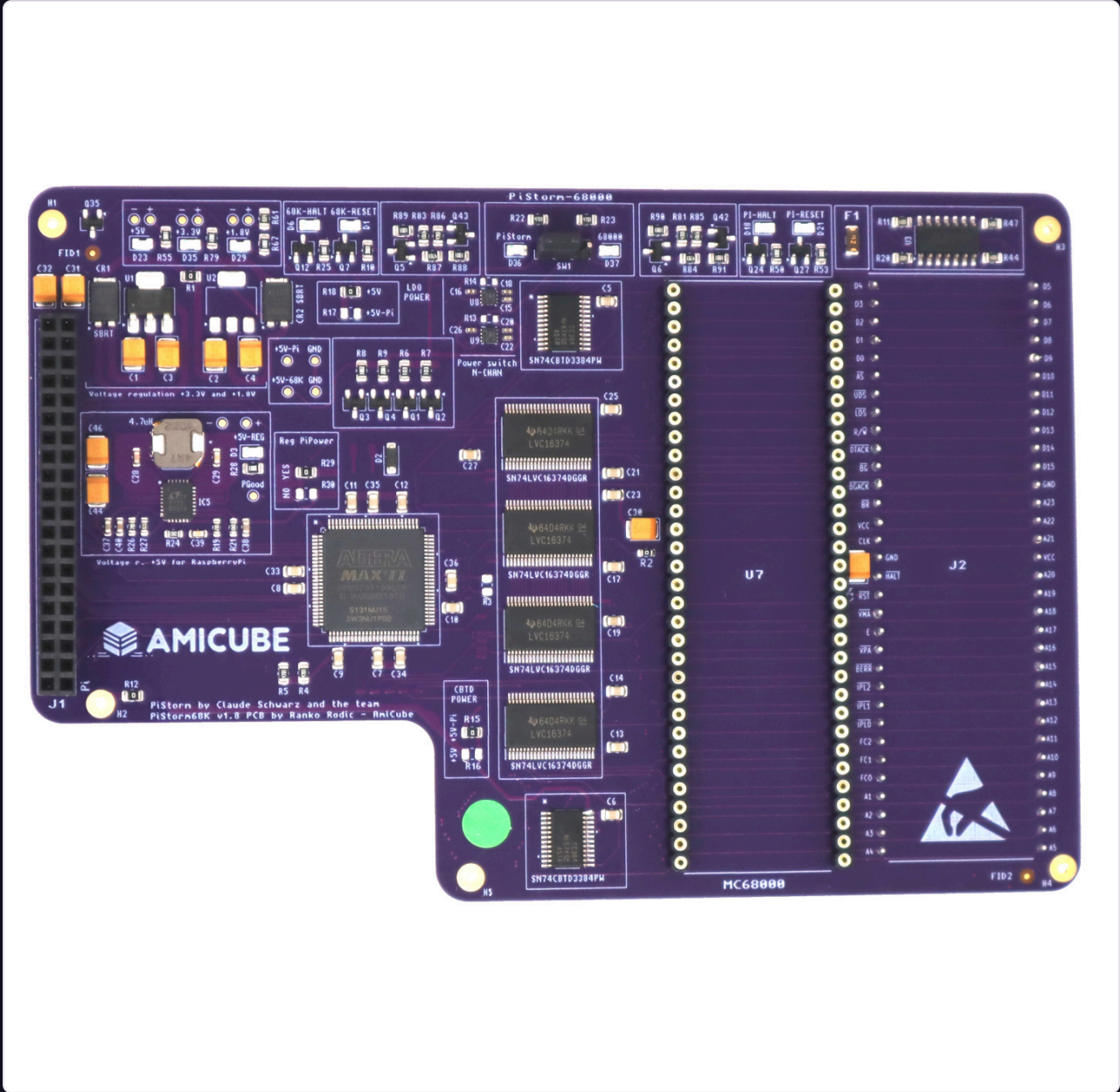
Bring your 68K curiosity.

Meet Ranko Rodic at the Minimig.ca workshop.

September 12-13 • 10 am-6 pm
IDEAs Clinic, Room 1427
Pearl Sullivan Engineering / Engineering 7
263 Phillip Street, Waterloo, ON

FREE ADMISSION

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[PiStorm68K v1.8 product and compatibility notes](#)

[AmiCube H5 socket compatibility record](#)

[AmiCube H8 PiStorm RTG photo and result](#)

[Official WoRC 2026 event page](#)

[PiStorm by Claude Schwarz and the PiStorm team.](#)

[PiStorm68K PCB by Ranko Rodic / AmiCube.](#)

Before you build

Check your Raspberry Pi model, software, host CPU interface, clearance and power arrangement.

Pi and physical CPU are not included in the board-only product. A500/A2000 use is experimental. Performance and added software features depend on the configuration.

AmiCube H5/H8 results are development milestones, not a universal compatibility or timing-closure claim.