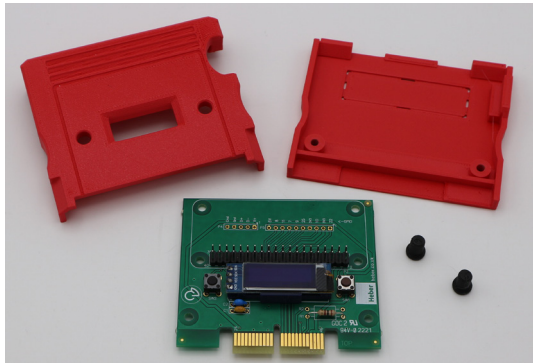


Heber Multisystem Pi-MMS Cartridge

Pi-MMS is an easy way to add a Raspberry Pi to your MMS. Slot into the cartridge expansion slot on the front of the MMS. No additional power supplies or cables are required.



Multisystem

Designed and manufactured in the UK by Heber Ltd. – A company with 35 years of experience in the design and manufacture of Gaming, Arcade, Amusement, Consumer and Industrial electronics.

Pi-MMS Cartridge

The Pi-MMS has a set of high quality gold edge fingers that connect to the Multisystem Expansion slot. One onboard 40 pin Raspberry Pi I/O expansion connector and an OLED display with two control buttons.

MT32 Pi - Roland MT-32 emulator and SoundFont synthesizer

The Pi-MMS cartridge fitted with a Raspberry Pi Zero2/2W can run the MT32Pi project. This project recreates the Roland MT32 MIDI sound card system. For More information about MT32Pi, you can download and support the project by Dale (d0pefish) Here - <https://github.com/dwhinham/mt32-pi>



Heber

Key features

Compatible with the Multisystem Expansion slot - Plug & Play.

Can power the Raspberry Pi Zero 2 or 2W when fitted to the Pi-MMS board.

Built in OLED display for visual indication of Raspberry Pi operation and program running.

Expansion USB Port 7 connection back to the Multisystem USB Hub.

Expansion Raspberry Pi I/O header for development of your own add-on module or upgrade for the Multisystem using a Raspberry Pi Zero2 / 2W

Menu and Select buttons to control the Raspberry Pi Zero 2 / 2W

The Pi-MMS cartridge supports the MT32-Pi project so you can enjoy Roland MT-32 music on FPGA Core systems that support it, such as the AO486 core.

The Pi-MMS also supports other projects such as the Barcoderattler system that can load cores and games via a barcode scanner.

MiSTer

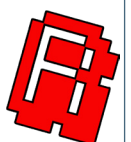
FPGA

RMC Retro

The MiSTer Multisystem and it's range of products have been designed in collaboration with RMC Retro.

To purchase the Multisystem board set, deluxe package, expansion modules or peripherals, please visit -

<https://www.rmcretro.store>



The Heber advantage

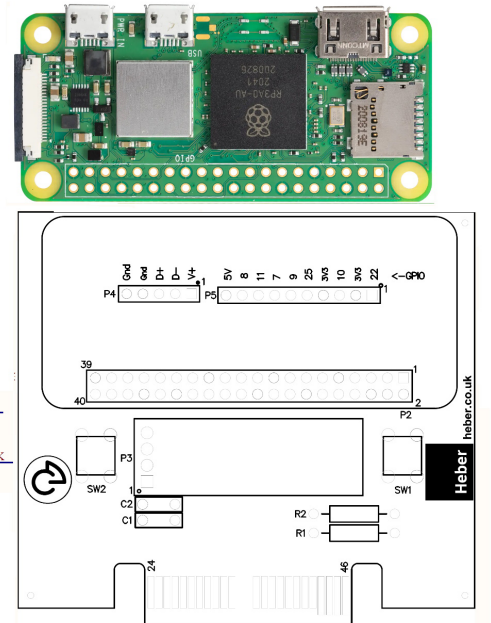
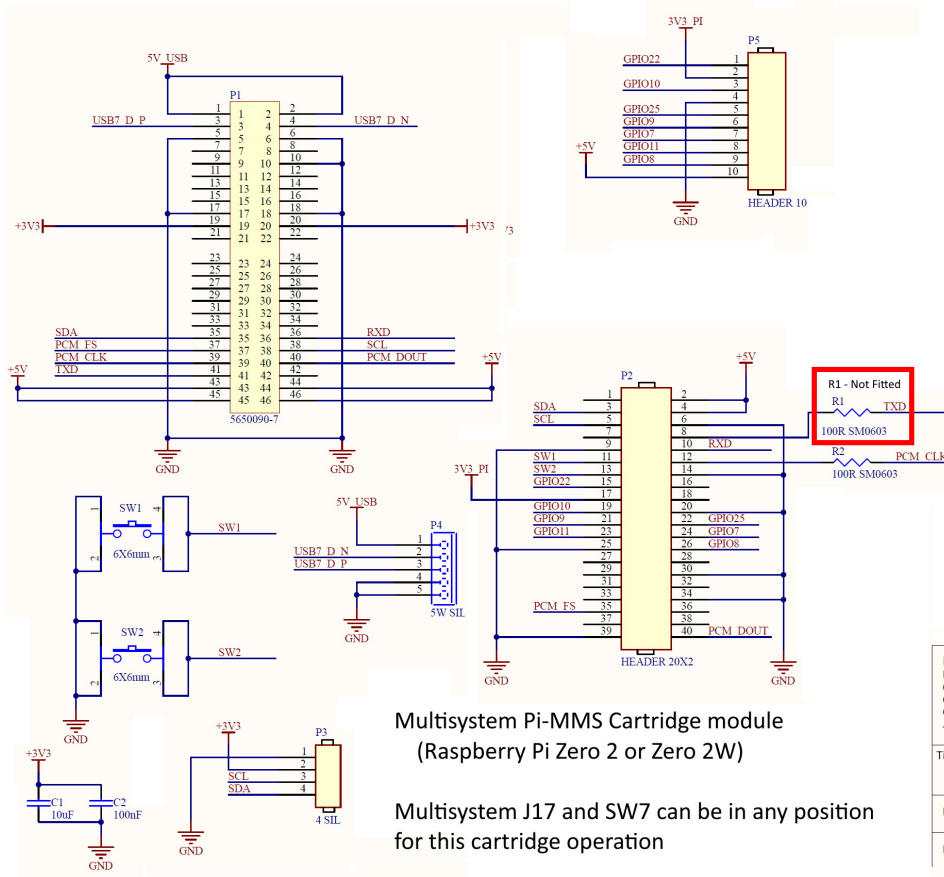
When you use a Heber product you benefit from:

- Over 30 years of UK design and manufacturing products and systems for a wide range of industries and sectors
- Cost effective, reliable electronic systems
- Our team of dedicated specialist engineers and product support



Multisystem
gaming to the core

Pi-MMS Cartridge Technical Specification



Heber Ltd.
Belvedere Mill
Chalford
Gloucestershire
GL6 8NS
Tel: 01453 886000, www.heber.co.uk

Heber

Title: **Multisystem MT32Pi cartridge module** Rev 2

Document Number: 56-23069

Date: 19/05/2022 Sheet 1 Of 1

Multisystem Pi-MMS - Schematic and PCB positions - reference drawing 56-23069-2

MiSTer FPGA Project

The Multisystem is designed to be compatible with the MiSTer FPGA project and a wide selection of FPGA 'Cores' as of 1st September 2021.

For more information about the MiSTer FPGA project and to help support the developers and community, please visit - <https://misterfpga.org>

The lead MiSTer designer is Alexey Melnikov, he has developed both the open-source hardware and operating system running on MiSTer. You can support Alexey and the many of the FPGA core developers via Patreon, links can be found via the dedicated support forum for the MiSTer FPGA project. - <https://www.patreon.com/FPGAMiSTer>

The MiSTer project can also be explored via the Wiki - https://github.com/MiSTer-devel/Main_MiSTer/wiki

Controls and Activity Indicators

Menu and Select user buttons, Onboard OLED display.

Power Supply -

Powered by the Multisystem Expansion port 5V & 3.3V.

Raspberry Pi -

The Pi-MMS supports the Raspberry Pi Zero 2 & 2W computers.

Other Raspberry Pi computers with the standard 40 pin I/O connector may also operate. They may not fit the optional enclosure and/or expansion cartridge position on the Multisystem.

Temperature and Operation

Recommended ambient temperature 45 Degrees C max.

Heber Ltd. 2023

Belvedere Mill, Chalford,
Stroud, GL6 8NS, United Kingdom

Precise specifications may change without prior notice. E&OE.

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