MSX Edge connector
(Cartridge)

J1

EDGE CONN

D5
1N5817

+5V
C8
10uF

EEPROM that can be re-written
by software using the AT28C256
programming software from the
MSX-DOS prompt

U3
AT28C256

Connector for the USB-Blaster
to program the CPLD

J2
JTAG

R1 10K
R2 10K
R3 10K
R4 10K

Jumpers to select ROM Bank,
and enable the EEPROM for writing.
J2 is optional (may be permanently closed with solder)
since write protection is controlled via software.

J3

Pullups for the EEPROM
Control signals

R5 10k
R6 10k

Flashing Led, driven
by the SPI_Clock signal.

LED1
R7 470

Decoupling capacitors for
the EEPROM (5V) and CPLD (3v)

C3 104
C4 104
C5 104
C6 104

Voltage converter 5v to 3.3v
to power the CPLD

U1
LD117A

C7 104
C1 104
C2 104

CPLD to decode MSX BUS and
serial-paralell conversion
between MSX and Rasberry Pi

U2
EPM3064ALC44

R9 10K
R8 10K

Raspberry Pi GPIO

JP3 Jumper_3_Open
JP5 Jumper_3_Open
JP4 Jumper_3_Open
JP6 Jumper_3_Open
JP7 Jumper_3_Open

C9 1uF
SW1 SW_Push

MSXPi Interface V1.2 Rev.0
RCC @ 2017 - 2025

MSXPi interface - connect MSX computer to Raspberry Pi
EEPROM AT28C256 re-writeatable from MSX-DOS
EEPROM software: https://github.com/costarc/msxcart_flash32k

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