M.A.B.
Multipurpose Ascii Board
4Mbits, 8Mbits FLASH OR EPROM CARTRIDGE BOARD

What is The M.A.B. Board ?

It is a PCB Cartridge Board based on the AScii Cartridge board game.
Developed for Eric Boez 's "Shin Keiro " Project with the precious help of Jipe, from The Msx Village Forum, and Eugeny Brychkov, creator of the GR8BIT.

This board is made to create -game or other - cartridges up to 8 Mbits, supporting Ascii Mapper 8K or Ascii Mapper 16k

Why Multipurpose ?

You can choose to use EPROM or EEPROM mode.

EPROM MODE
The board is compatible with 27C040 EPROM (512K) or 27C801 EPROM (1024K).
Of course EPROM must be programmed before soldering it on the board.

 EEPROM MODE (FLASH MEMORY)
You can choose to use it as a Flash Memory Board, by using a 29F040 EEPROM. You will be able to flash the board from a MSX with FLLOAD.COM from K. Tsijikawa.
Please note, At this time, this software is only compatible with 8k mapper.

Components needed
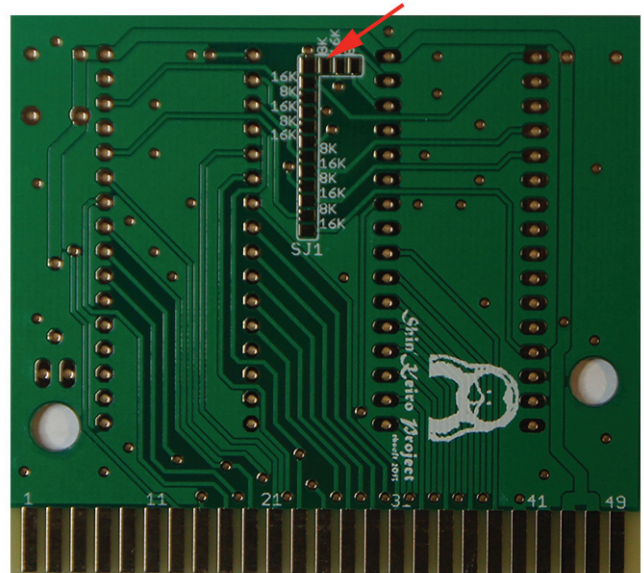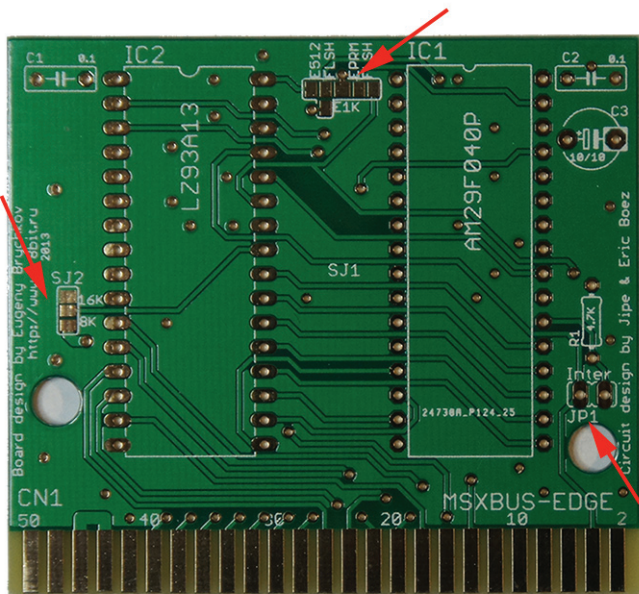
IC1 : 29F040 EEPROM, or 27C040 / 27C801 EPROM
IC2 : LZ93A13 Chip
C1,C2 : 0,1uF Ceramic capacitors
C3 : 10uF/10V electrolytic capacitor

R1 : 4,7k Resistor (optional. For EEPROM mode)
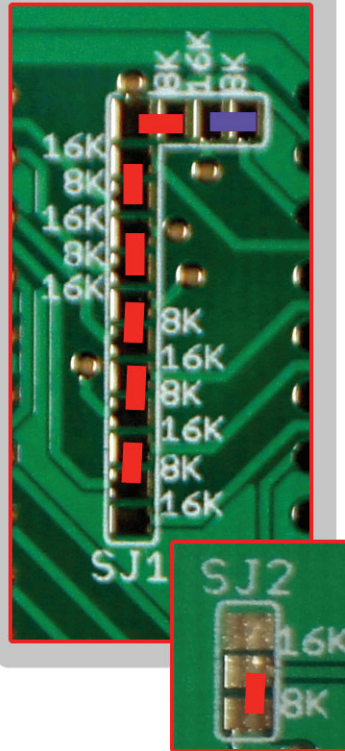Jp1 : On/off Switch (Optional. For EEPROM mode)

List

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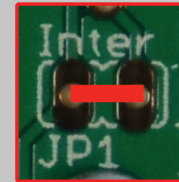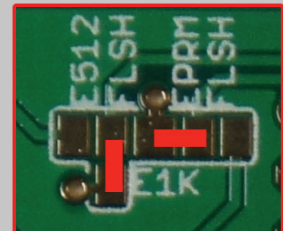### 4Mbits, 8Mbits FLASH OR EPROM CARTRIDGE BOARD

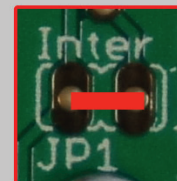## How to configure the board ?
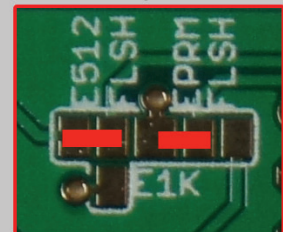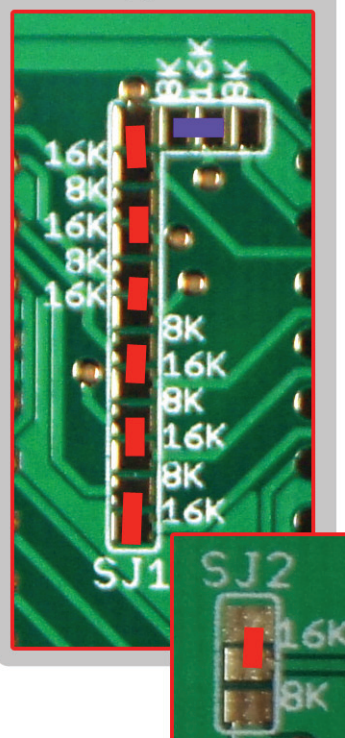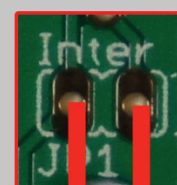Simply use the straps on the board.

Mapper 8K

1024K EPROM MODE

512K Eprom Mode

Mapper 16K

512K EEPROM Mode
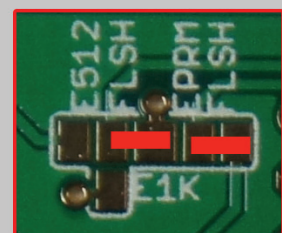
ON/OFF SWITCH

🟥 **Soldering strap**

🟦 **Soldering strap only for 27C801 - 1024K**

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The MAB Flash Cartridge

The On/Off switch and the 4.7k resistor are only need
if you want to flash the cartridge from a MSX computer.

Boot the MSX with switch on "Off position", then, back to
"On position" and flash the cartridge with FFLOAD.COM
from K. Tsijikawa.
This software only works with 8K mapper. A 16K software
will be available soon.

If you don't want to flash the cartridge from a MSX computer,
but uyou want to use EEPROM 29F040 as memory., just close de
JP1 strap as it is a EPROM.

The board is designed fot fit in Konami Cartridge Case

MAB Flash official cartridge Sticker