

Here is a quick tour about all schematics coming from Outside X68000.  
Feel free to ask GameSX forum member Lydux for any infos about them.

#### **CZ-6BE1**

Internal 1MB RAM addon for original X68000 (CZ-600CE).

#### **CZ-6BE1A**

Internal 1MB RAM addon for ACE series.

#### **CZ-6BE1A (A)**

Internal 1MB RAM addon for ACE and PRO series.

#### **CZ-6BE2A**

Internal 2MB RAM addon for XVI (twin-tower). There is also 2 extra ROM sockets to change the bios.

#### **CZ-6BE2D**

Internal 2MB RAM addon for XVI Compact. Also provide a socket to put an FPU (MC68881).

#### **CZ-6BE2B**

Extra 2MB RAM addon to mount back on CZ-6BE2A or CZ-6BE2D.

#### **CZ-6BE2 & CZ-6BE2C**

External 2MB RAM addon. I don't get the exact difference yet, but it's probably related to the stock amount of RAM you have.

#### **CZ-6BE4 & CZ-6BE4C**

External 4MB RAM addon.

#### **CZ-6BP1 & CZ-6BP1A**

The official FPU accelerator board featuring an MC68881. I don't see any differences between those 2 versions. So, it's probably just a PCB fix.

I found this one really easy to build and will probably try to design a DIY clone one day.

#### **CZ-6BM1**

This is the well known MIDI addon board ! Equipped with the Yamaha MCS (YM3802).

#### **CZ-6BN1**

This one is an external addon board which provides 2 unidirectionnal 8bits buffered lines, plus some control lines presentable on a DB37 connector. Does use the very common 82c55. Designed mostly for various small and low speed hardware addons (eg: hand scanner).

I've always said this kind of board is a very good start point for those who want to give a try into hardware programming.

**CZ-6BV1**

Multi-output TV converter and color booster. The idea is to transform the video output signals from the x68k to a 15Khz NTSC capable only TV presentable on traditionals composite and S-Video connectors.

**CZ-6BS1**

The well known official external SCSI-1 addon board equipped with a MB89352 scsi controller.

**CZ-6BG1**

You have probably never heard about this one, and not even interested into getting one. It will allow the X68000 to communicate on a GPIB (General Purpose Interface Bus). An old but always used standard mostly used by industry to drive various equipment in a network fashion.

Try googling for GPIB and IEEE 488 if you want more details.

**CZ-6BF1**

RS-232C addon board ! It will add 2 extra serial port to your X68000. Feature the exact same z85c30 as the one you can found inside your x68000 and does work exactly in the same way.

**CZ-6BC1**

A FAX ! You are probably unable to use it nowadays, but it's interesting to know that a FAX emitter/receiver has existed for the x68000.

**CZ-6BU1**

I don't exactly know if this card has been designed for a specific purpose. Seems to me it's nothing more than a simple general purpose I/O board for interested programmers, just like the CZ-6BN1 but without dedicated device (82c55). Designed only with simples and cheap logics, buffers, latches and flip-flop IC.

Does presents a 50 pins IDC connector on the back orgranized as :

- 2x8bits buffered input lines
- 2x8bits buffered and latchable output lines
- Some control lines for the 4 ports

IMO, also a good card to begin with hardware programming.