Omega – NATS-4 (v1.0)

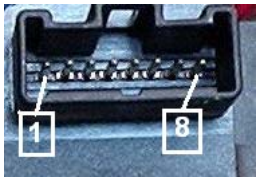
The offered module works along with programmer Omega and is designed for immobilizers Nissan NATS-4 with proccessor TMS: 5WK4738, 5WK4750, 5WK4803, 5WK48543A, 5WK48543B, 5WK48692.

To work with the module in the following is added in Omega Mtrk configuration file:

```
GROUP=Nissan

CHIP=NATS-4 (TMS),256,nats4.hpx
AREA=EEPROM,256,1F00H
AREA=ROM,8K,6000H,w
BAUDB=9600
BAUDC=9600
LOADER=OFF
```

Immobilizer pin outs :



2 – K-Line;
4 – GND;
6 – Indication LED;
7 – +12V (Ign);
8 – +12V (Batt).

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It is possible to use the adapter for A6MM or create by yourself the down described adapter:
During work with the programmer the base **must not** be power supplied by +12V! If the adapter is made according to the scheme below the base is supplied with base's power supply block – 9V AC (Alternating Current), while the immobilizer and adapter are supplied with +12V DC (Direct Current), from another supplier.
While working with A6MM the base **must not** be power supplied only the immobilizer and adapter with +12V DC (Direct Current).

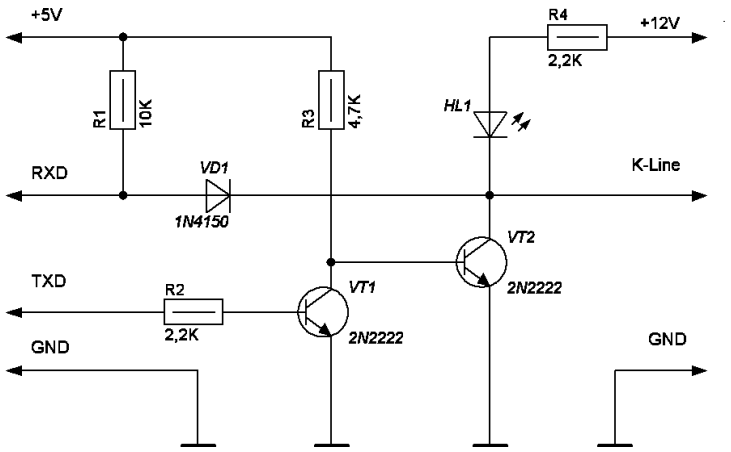
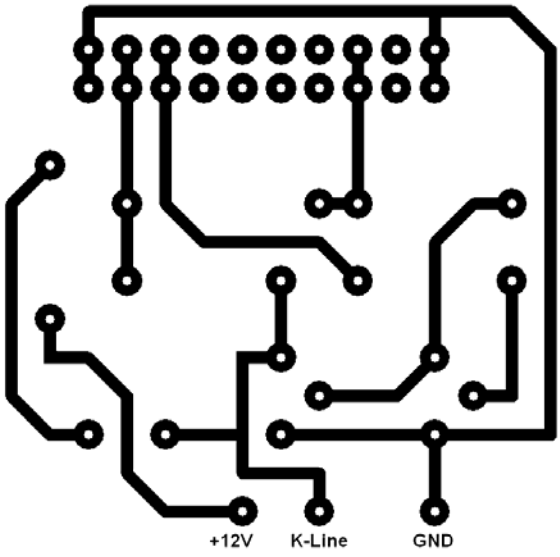
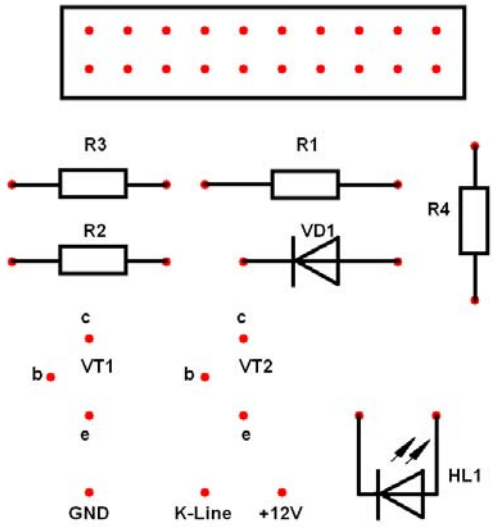
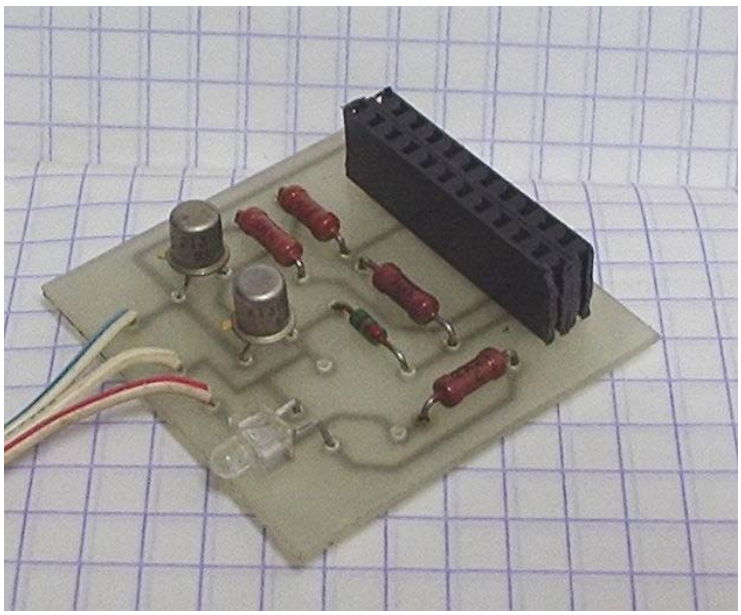


Plate and component composition:





Outer view:



The current product allows full access (read/write) in EEPROM area of the processor, also allows access to some other areas (RAM, ROM, registers), which are added in the configuration file of Omega. It allows key erase/addition to the immobilizer.

During read/write/modify the EEPROM cells work standard.

We suggest you to save the original EEPROM file before doing any other operation!!!

Additional functions of the program module :

"Immo Version" – Allows reading the program version of the immobilizer.
"Add Key" – Registers new kays in the system (up to 4).
"Delete All Key" – Deletes in EEPROM all the data connected to keys. If it is needed to leave some keys operational after that function "Add Key" has to be done for each of them.

Transponders for this type of immobilizers can be produced with «Gambit» loading in it the data from the EEPROM. In this case after completion the transponder is already connected to the system and it is not needed to do further operations.