STAM-1 TRNK

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The STAM-1 TRNK card is used for expansion of functional capabilities of the STAM-1 monitoring station. It enables a trunking radiotelephone, which supports the MAP27 data transfer protocol, or the SATEL GSM module (GSM LT-1, GSM-4), to be connected to the station, thus making monitoring possible by radio (radiotelephone), by means of SMS messages, or CLIP-type messages (GSM telephone).

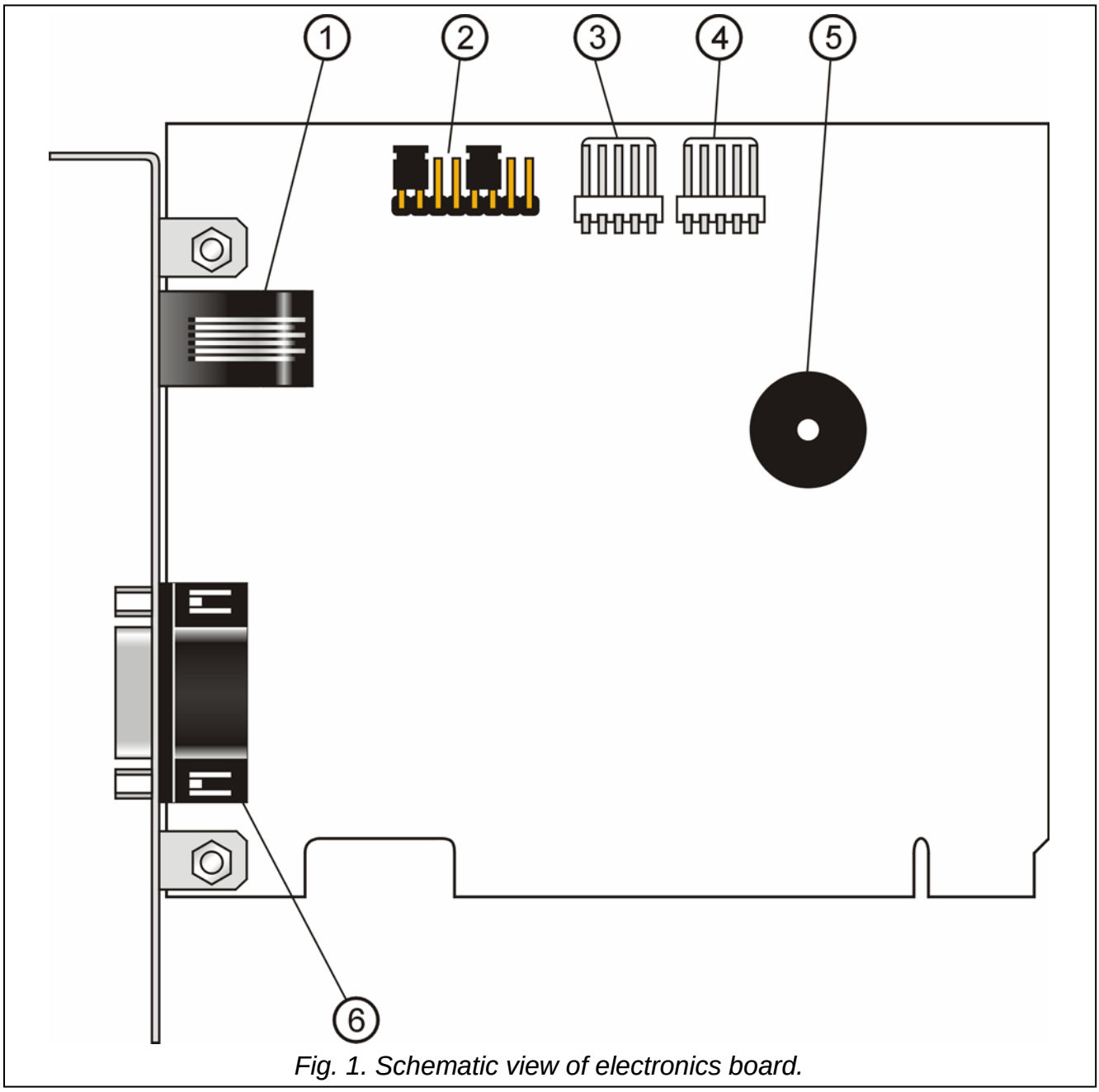

Fig. 1. Schematic view of electronics board.

EXPLANATIONS FOR FIGURE 1

1 - RJ-11 connector (RS-TTL port) for trunking radiotelephone.

Data signals from the RS-TTL port of radiotelephone should be supplied to the following RJ-11 contacts:

1 - TX
2 - RX
4, 6 - common ground
3, 5 - not connected

2 - Four pairs of pins to set individual address of the card.

Particular pin pairs have the following weight: JP10 – weight 1; JP11 – weight 2; JP12 – weight 4; JP13 – weight 8. To calculate the value of the address set, add together the weights of pins on which jumpers are placed (e.g. the card address shown in the figure is equal to 5).

3 - Input socket to connect the main card / expansion card.

4 - Output socket to connect a next expansion card, or final card.

5 - Buzzer.

6 - DB-9 connector (port RS-232) for trunking radiotelephone or GSM-4 module. You can connect the GSM-4 module to the card by using the typical cable, used for programming the CA-10, CA-64 or INTEGRA control panels from a computer.

The RS-232 port radiotelephone, depending on the data signal output, requires installation of a special cable. The signals should be supplied to the following contacts in the DB-9 connector:

2 - RX
3 - TX
5 - common ground
1, 4, 6, 7, 8, 9 - not connected

The card is designed for installation in the PCI slot of computer, using the computer's RESET signal and the +12V supply input contacts. Data for the main card and the STAM-1 program are transmitted by means of an external cable (through socket 3).

The card requires no additional configuration – it recognizes automatically the type of connected equipment (radiotelephone / GSM module) and is ready to use after appropriate connections are made.

NOTE: *The card only accepts one device (radiotelephone or GSM module of SATEL's manufacture) connected to one of the following ports: RS-TTL (0V, +5V) or RS-232 (-12V, +12V).*

TECHNICAL DATA

Supply voltage (±10%) ..... 12V DC
Current consumption 40mA
Installation in computer ..... PCI slot

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