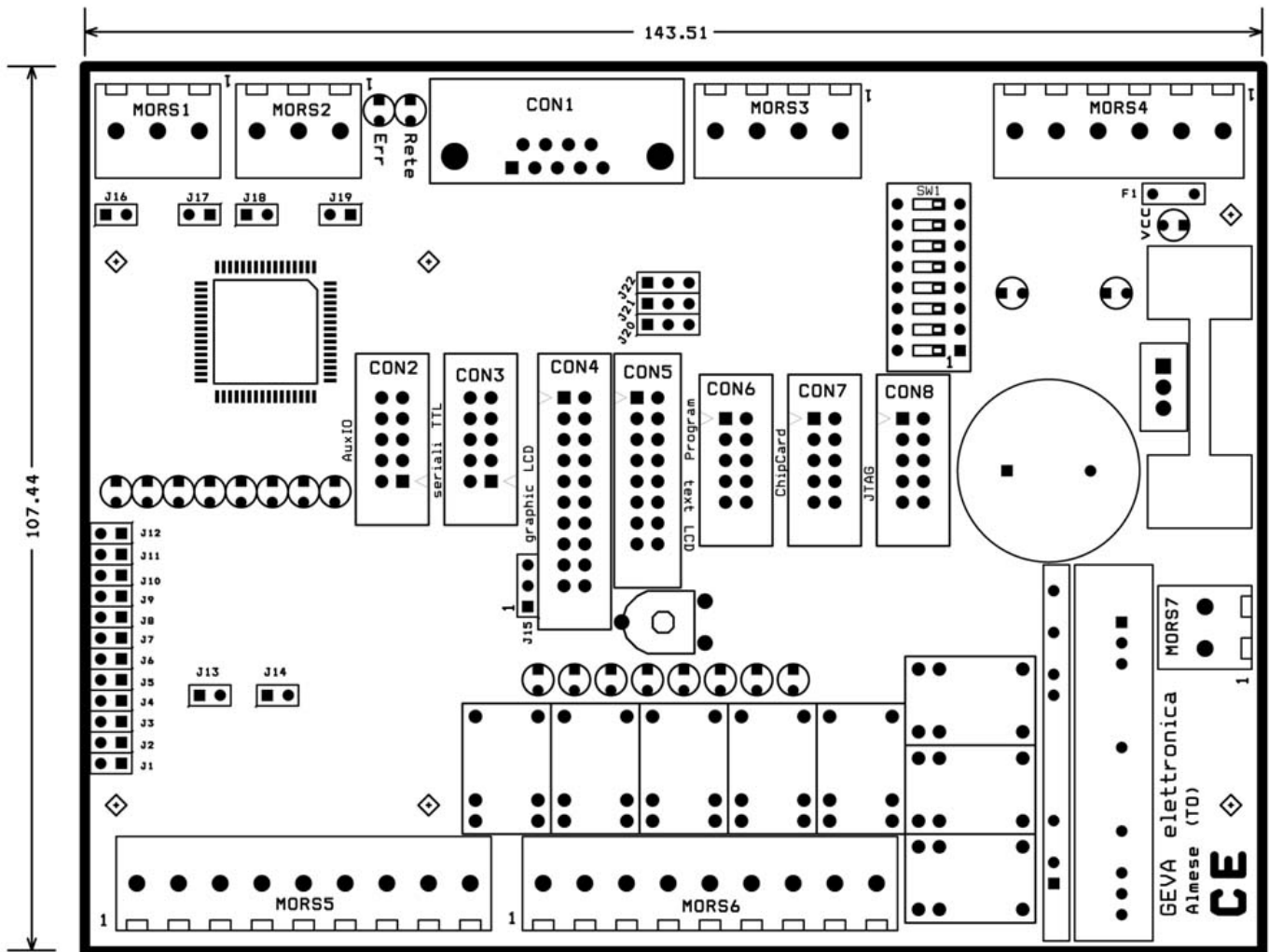


AllCard Jumper



Serial Com :

- J20 - 1.2 Com1 on RS485 MORS3
- 2.3 Com1 on RS232 CON1

J18 and J19 close them to put the 120R terminatore on the line MORS3

Com2 su RS485 MORS1

J16 e J17 close them to put the 120R terminatore on the line MORS1

Inputs: MORS5

J13 e J14 – open it for using the JTAG.

Pin1 di MORS5 = 12V for the Digital Inputs

For the analogical inputs, the signal must have referred to GND.

The probes 4-20mA must be connected between 12V and the input.

o = open c = close

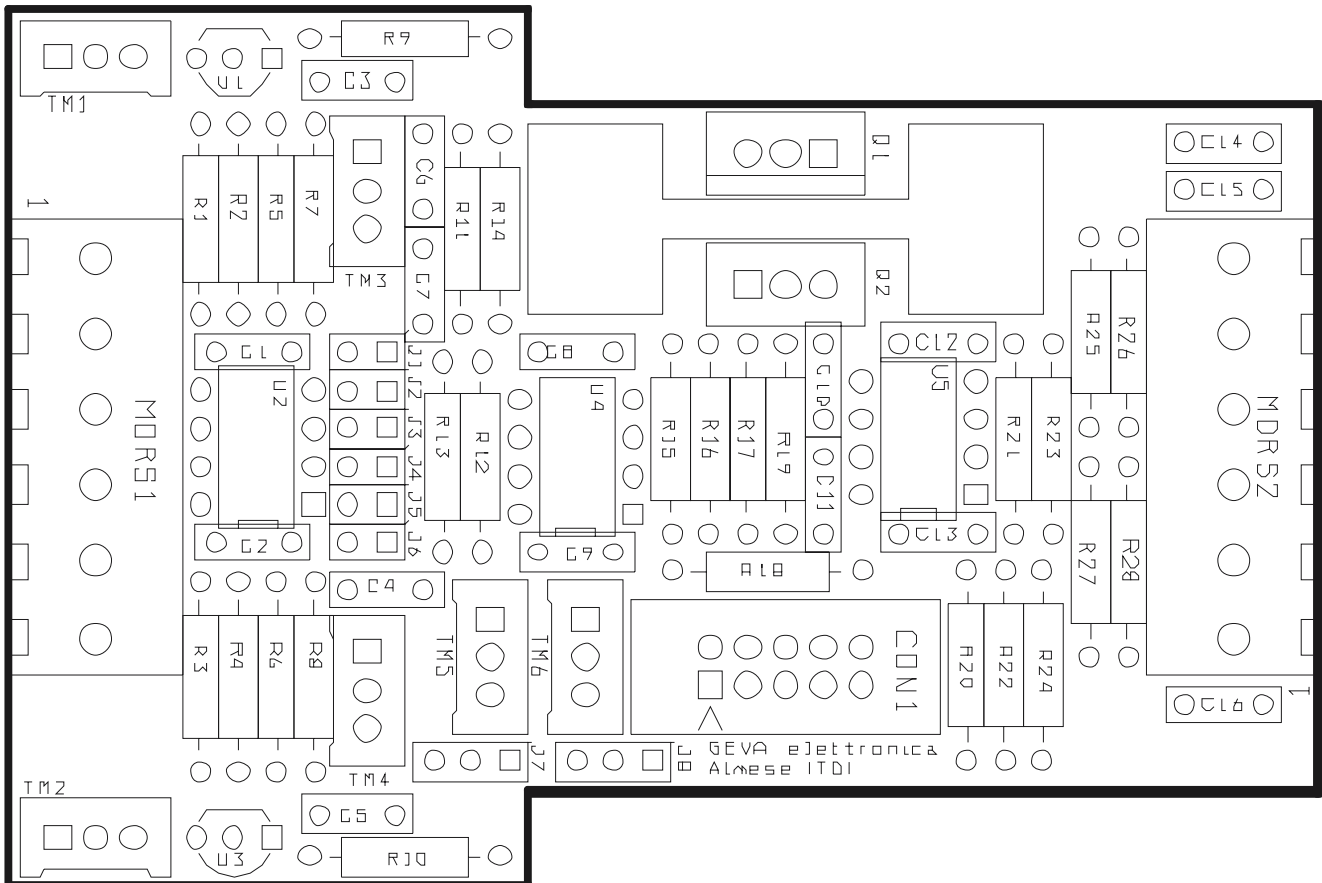
Input Mors5	Digital with Led	Analog 20mA fs	Analog 10V fs
Pin2 In0	J1o – J5c – J12o	J1c – J5o	J1o – J5c – J12c
Pin2 In1	J2o – J6c – J11o	J2c – J6o	J2o – J6c – J11c
Pin2 In2	J3o – J7c – J10o	J3c – J7o	J3o – J7c – J10c
Pin2 In3	J4o – J8c – J9o	J4c – J8o	J4o – J8c – J9c

Relè Outputs Mors6

Power supply 10-15V DC, positive on Pin1 and 2 of MORS4, GND between Pin5 and 6 of MORS4.

Output Mosfet_0 on Pin4 of MORS4, Mosfet_1 on Pin3 of MORS4, they take the GND.

Analog Out / In plug-in



The card must be powered by the MORS2. 1 and 2 = VCC 12V / 5 and 6 = GND

First PTC – Close J1 - Place the PTC between the 2 of MORS1 and GND (6 of MORS1)
 TM3 sets the offset, TM1 the gain.

Second PTC – Close J4 - Place the PTC between the 4 of MORS1 and GND (6 of MORS1)
 TM4 sets the offset, TM2 the gain.

Closing J3 and / or J6 you can read the current furnished by the analog output.

Out1 -> 3 of MORS_2 and GND - TM6 regulates the output level

Out1 current J8 1 – 2 100–200 mA

Out1 tension J8 2 – 3 5–10V

Out2 -> 4 of MORS_2 and GND – TM5 regulates the output level

Out2 current J7 1 – 2 100–200 mA

Out2 tension J7 2 – 3 5–10V

5 and 6 of MORS2 = GND

1 and 2 of MORS2 = +12V

Attention.

The maximum load for the current output is 47R.

With the tension output to 5V (trimmer at min.) the operational is to risk, species with inductive loads.

Programma Com:

Inviare alla scheda:

```
1 byte LenStr;          // Lunghezza pacchetto compreso CRC
1 byte Address;        // Indirizzo modulo, Quello dei DipSwitch
2 byte DacCh0;         // Uscite analogiche
2 byte DacCh1;
1 byte Rel;           // Stato 8 relè
1 byte Mos;           // Stato mosfet
1 byte Aux;
1 byte CRC;           // calcolato facendo 0x55 e xor di tutti i bytes
```

Si riceve:

```
1 byte LenStr;          // Lunghezza pacchetto compreso CRC
1 byte Address;        // Indirizzo modulo, Quello dei DipSwitch
2 byte AdcCh0;         // Entrste analogiche
2 byte AdcCh1;
2 byte AdcCh2;
2 byte AdcCh3;
2 byte AdcCh4;
2 byte AdcCh5;
2 byte AdcCh6;
2 byte AdcCh7;
1 byte Dig;            // Entate digitali
1 byte OutPortStatus1; // uscite Rele
1 byte OutPortStatus2; // Uscite Mosfet
1 byte Aux1;
1 byte Aux2;
1 byte CRC;
```