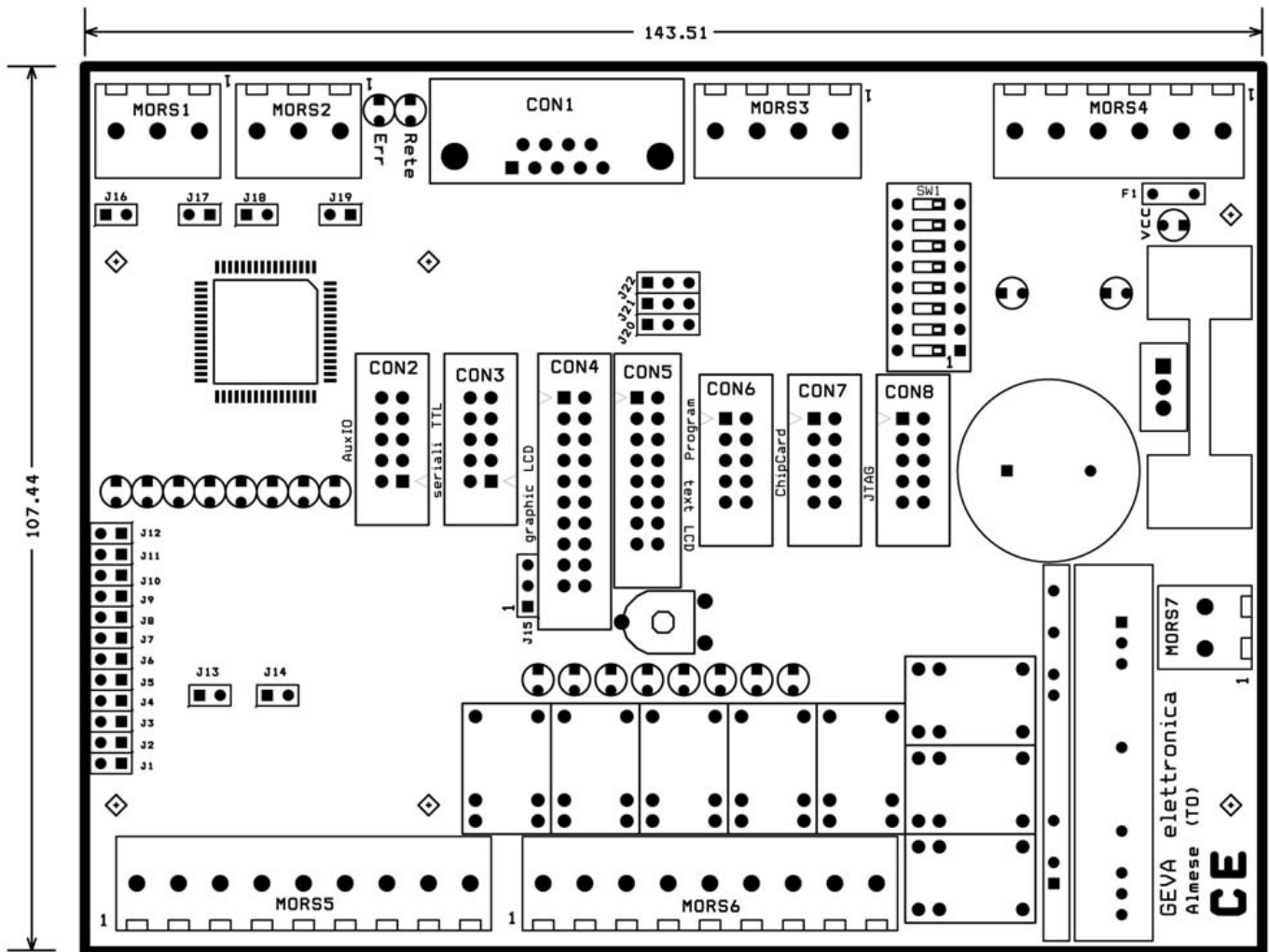


# AllCard Jumper



## 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

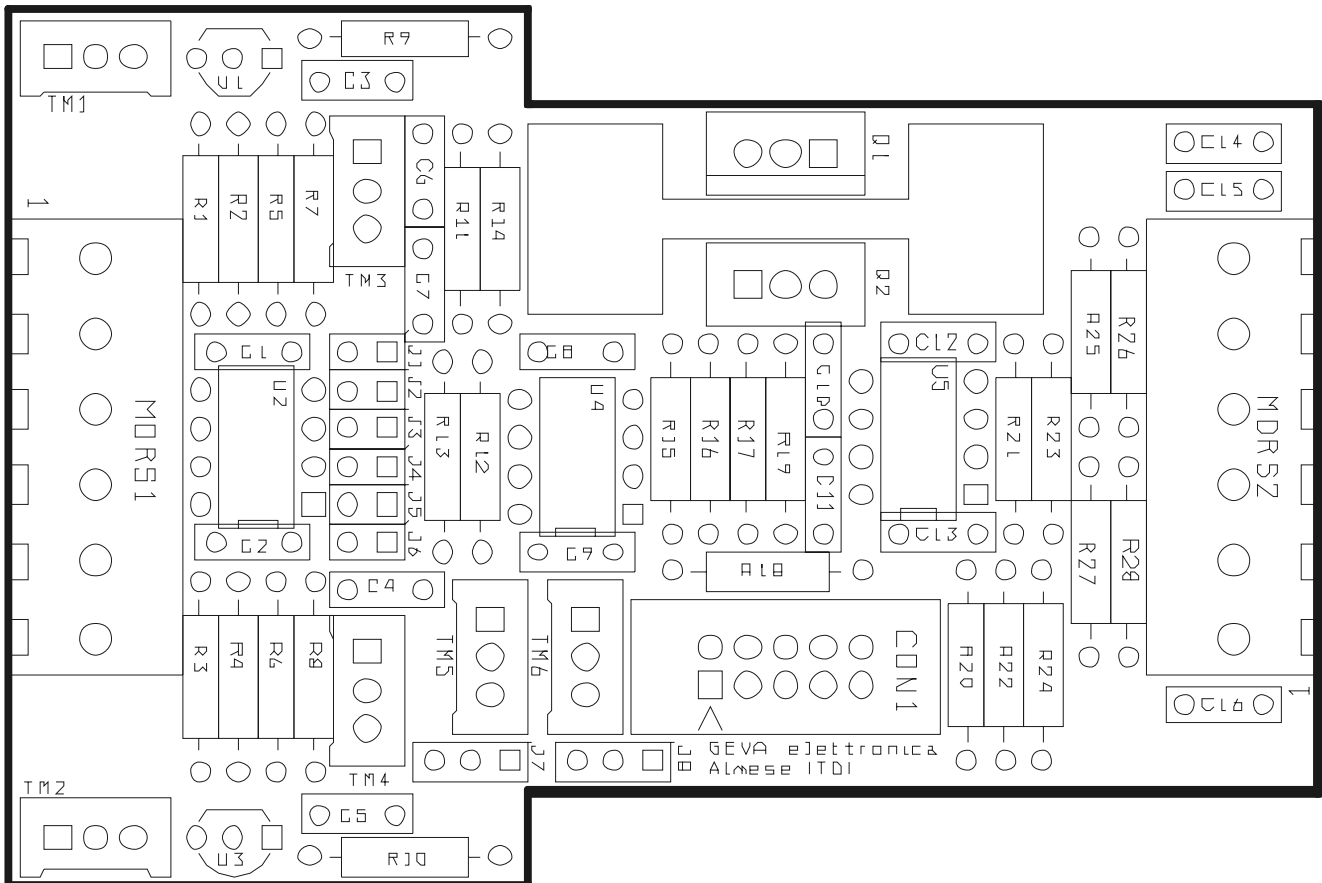
Input Mors5	Digital with Led	Analog 20mA fs	Analog 10V fs
Pin2 In0	J1o – J5c – J12o	J1c – J5o	J1o – J5c – J12c
Pin2 In1	J2o – J6c – J11o	J2c – J6o	J2o – J6c – J11c
Pin2 In2	J3o – J7c – J10o	J3c – J7o	J3o – J7c – J10c
Pin2 In3	J4o – J8c – J9o	J4c – J8o	J4o – J8c – J9c

## 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;
```