

## SIEMENS PCR2.1 IROM TC1796 VAG

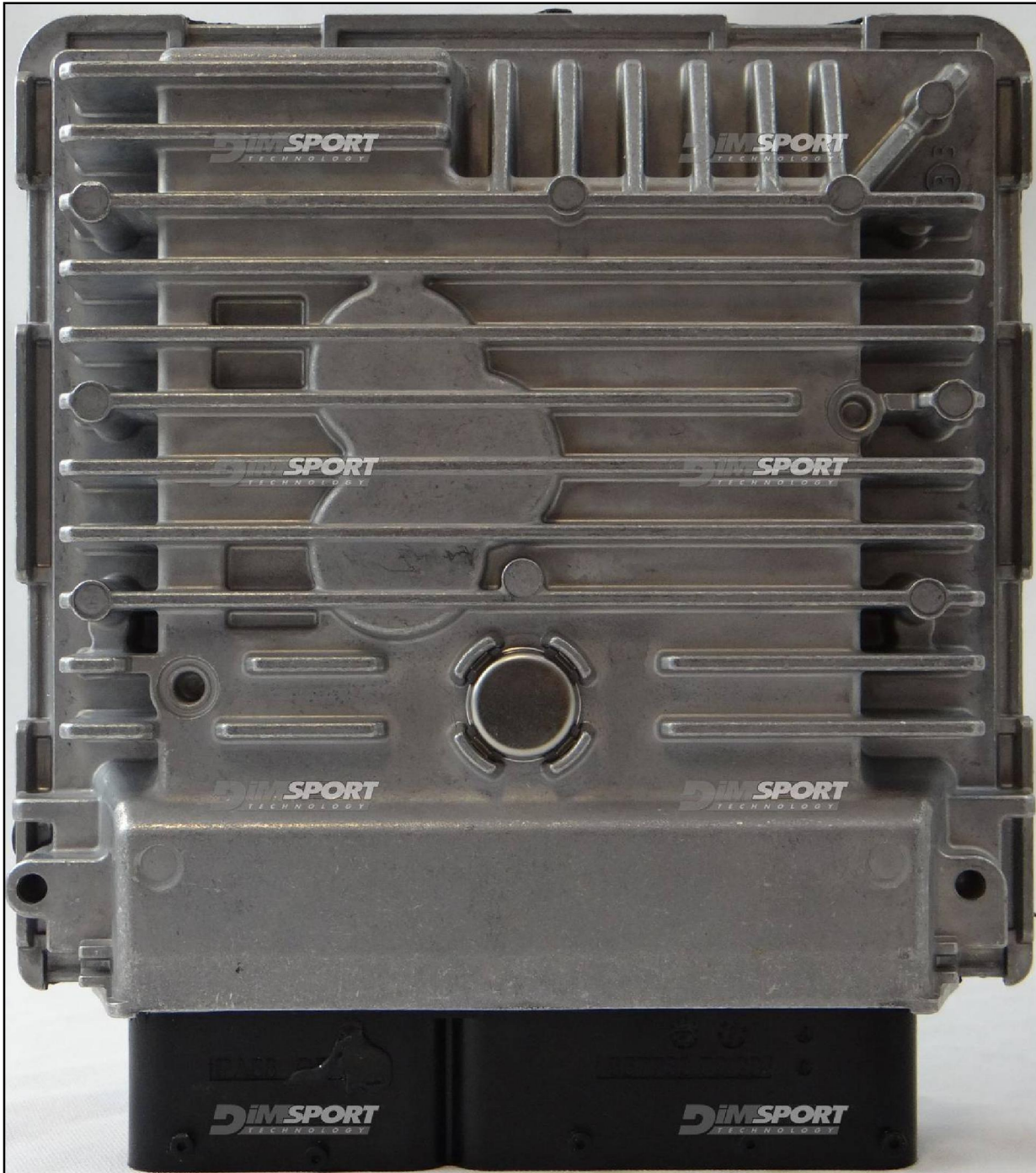
### plugin **513**

With this plugin it is NOT possible any Microprocessor reading or ECU clone operation.  
With this plugin it is possible only the PATCH UNLOCK, operation required to perform the serial writing with the New Genius protocol FLASH 0365.

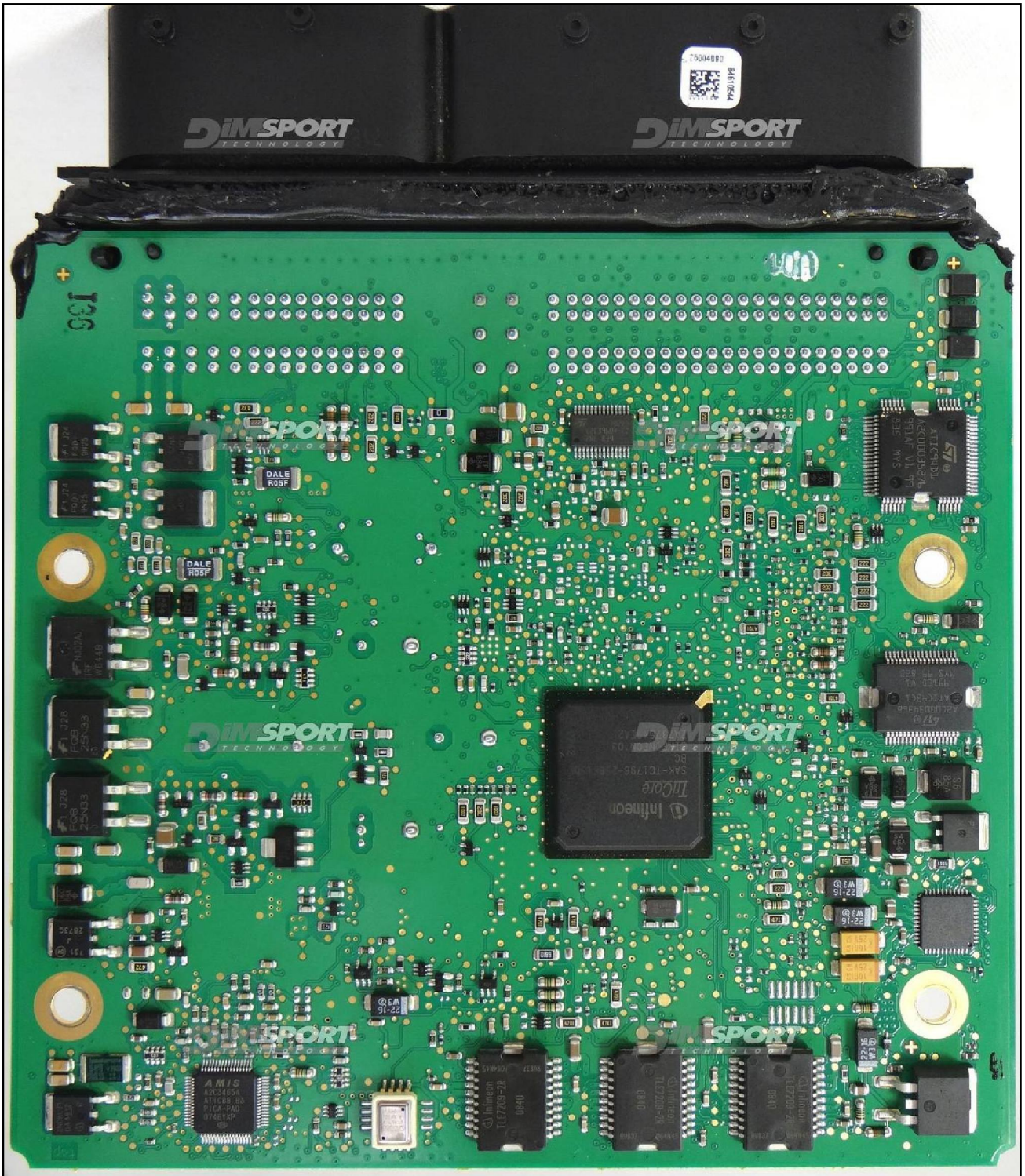
To perform the PATCH UNLOCK you can follow the instructions at pg. 8 of this manual.

#### **WARNING**

For the complete reading and writing operation you must use the plugin 994.



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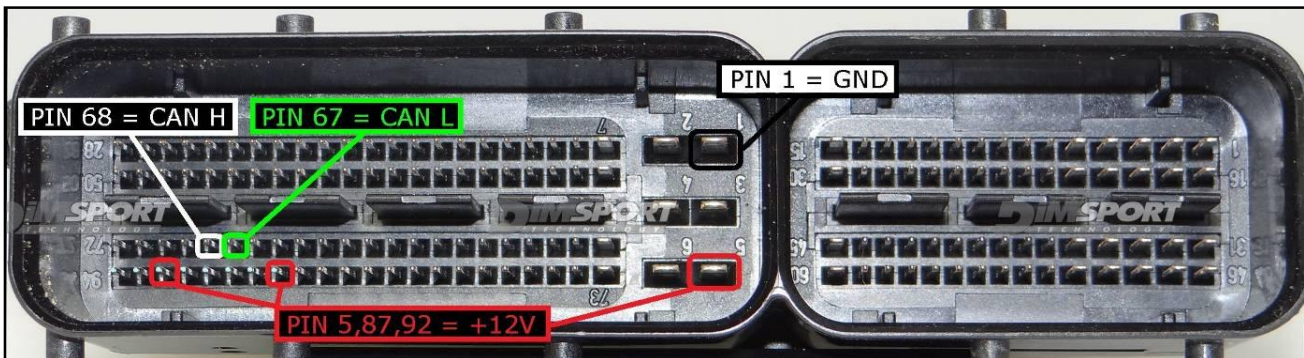
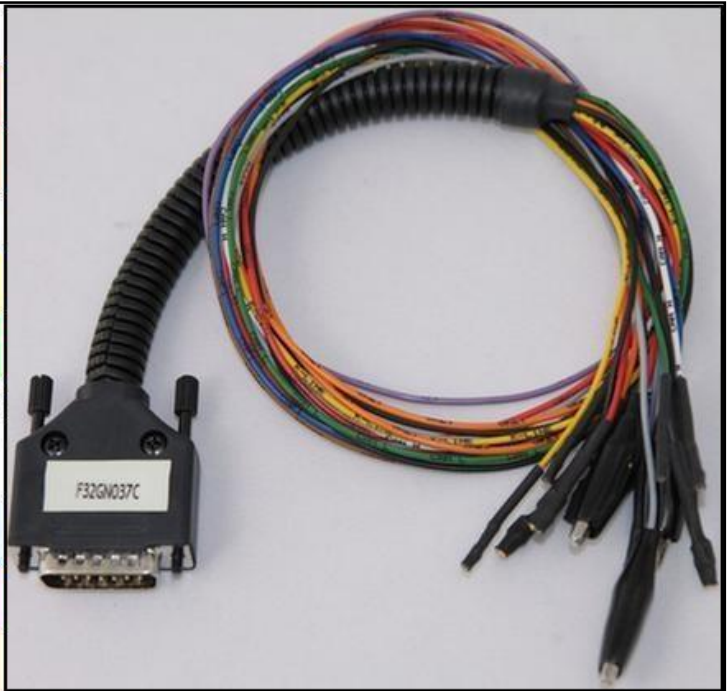
### ECU CONNECTOR

In order to connect to the ECU use the CABLE F32GN037C.

Make sure that the POWER led (red) on Trasdata is ON.

These connections are required for all the connection approaches: metal positioning frame adapter or loose wires.

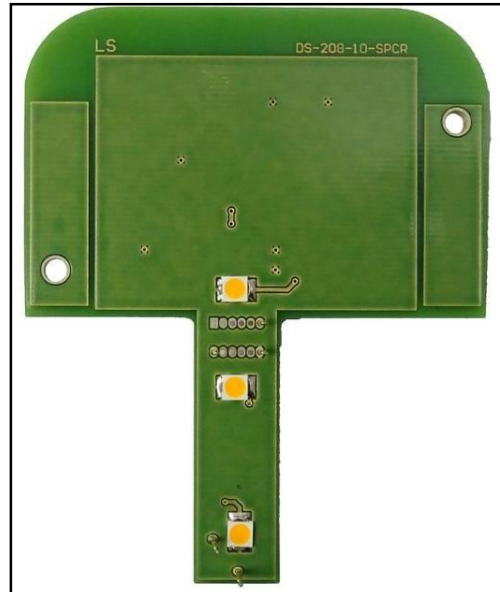
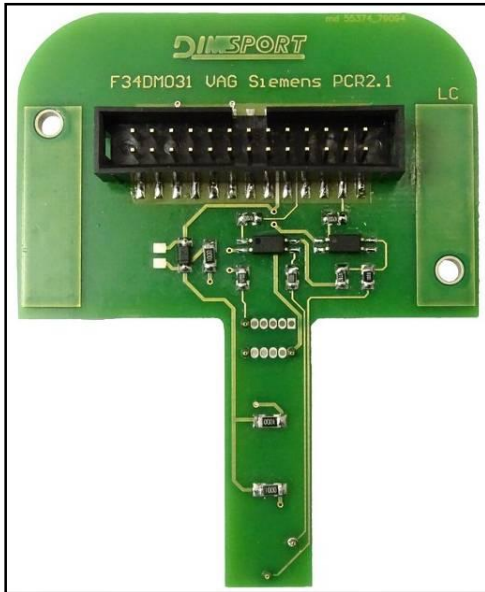
COLORE FILO WIRE COLOUR	DESCRIZIONE DESCRIPTION
<span style="color: red;">■</span> ROSSO RED	POSITIVO DIRETTO POWER BATTERY
<span style="color: orange;">■</span> ARANCIO ORANGE	POSITIVO SOTTO QUADRO POWER SWITCH ON
<span style="color: black;">■</span> NERO BLACK	MASSA GND
<span style="color: yellow;">■</span> GIALLO YELLOW	KLINE
<span style="color: green;">■</span> VERDE GREEN	CAN LOW
<span style="color: white;">■</span> BIANCO WHITE	CAN HIGH
<span style="color: grey;">■</span> GRIGIO GREY	POL4 BOOT
<span style="color: blue;">■</span> BLU BLUE	POL5 CNF1
<span style="color: purple;">■</span> VIOLA/GRIGIO PURPLE/GREY	TENSIONE PROG. PROG. VOLTAGE
<span style="color: brown;">■</span> MARRONE BROWN	RESET



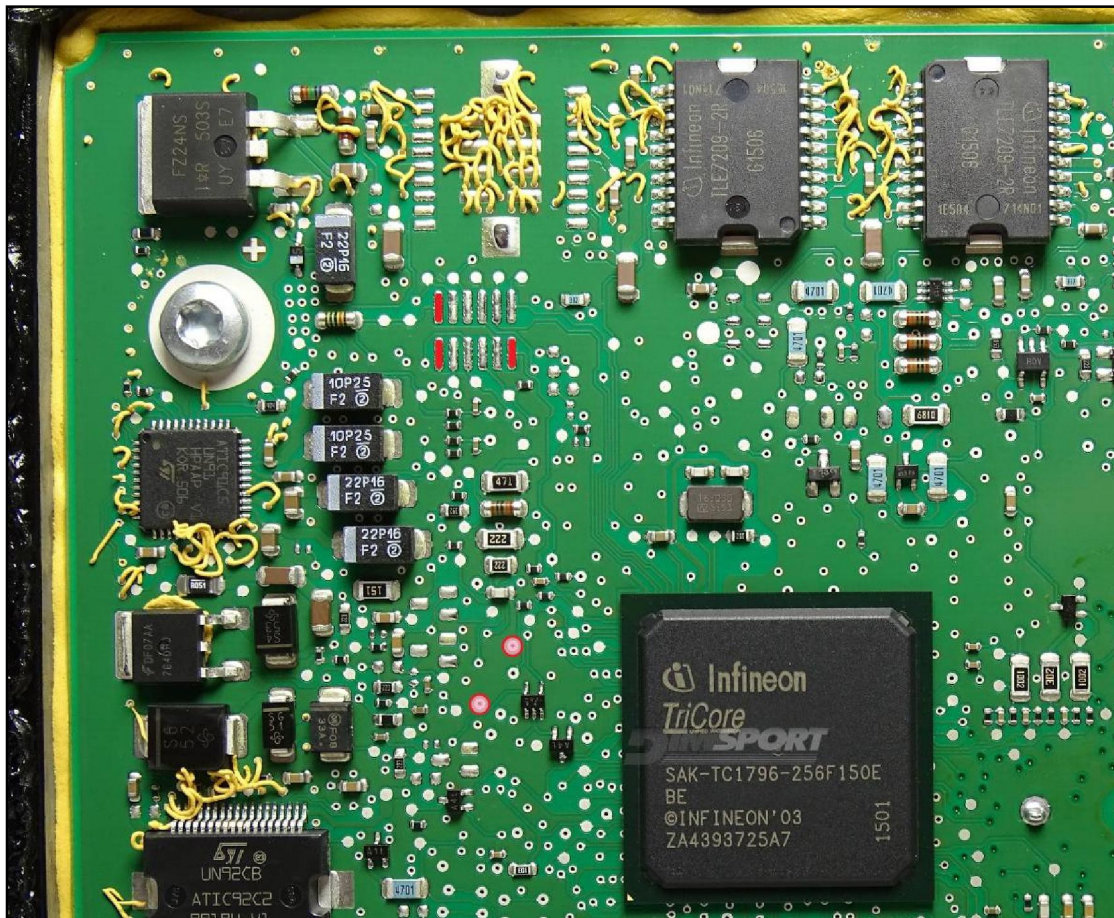
To the power feeding pins 5,8,7,9,2 (+12V) you can connect both wires red (VECU) and orange (VKEY) of the F32GN037C cable, they both have 12V signal.

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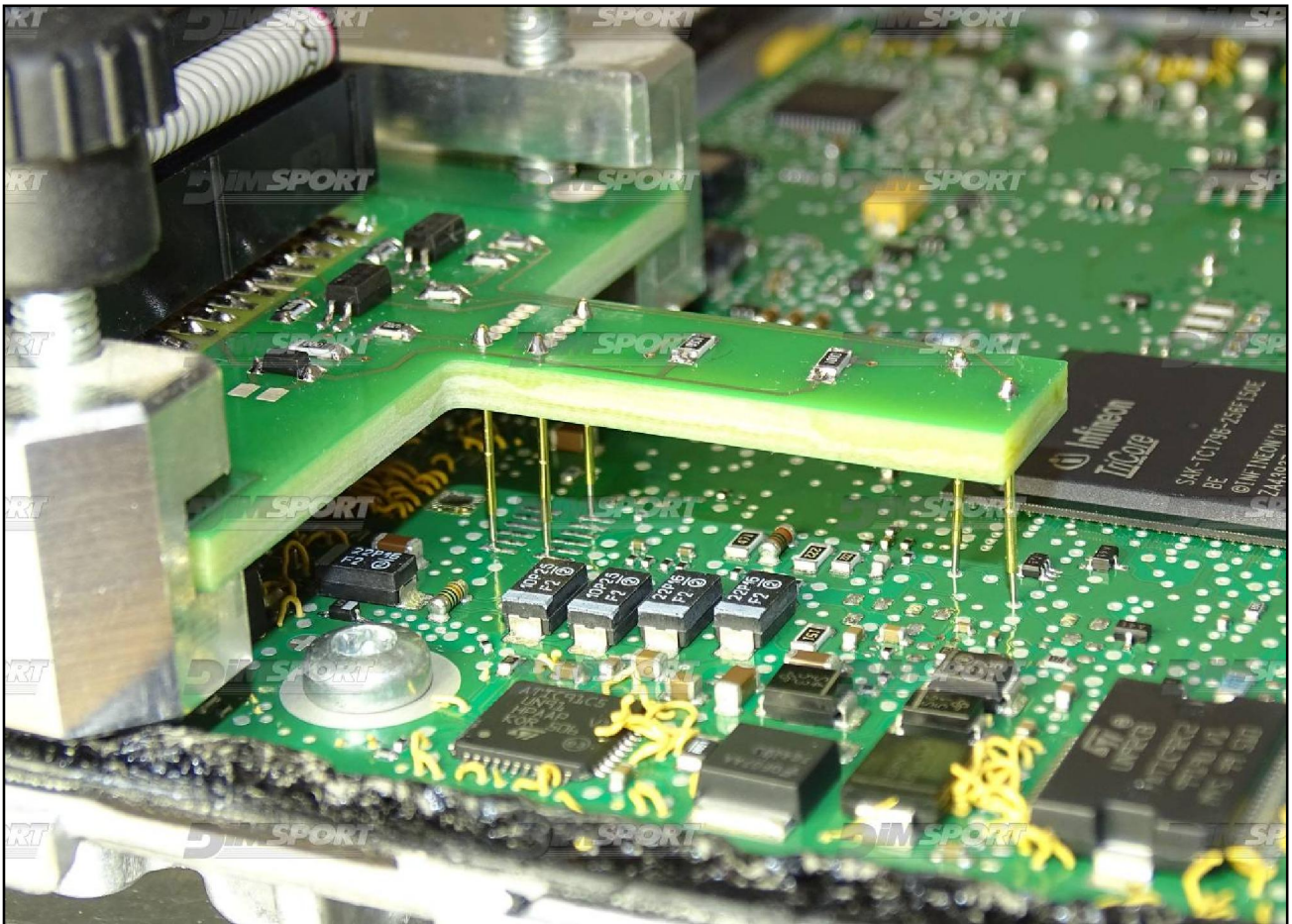
## METAL POSITIONING FRAME ADAPTER F34DM031 CONNECTION



On the following picture are displayed the lay-by pins used for the communication.



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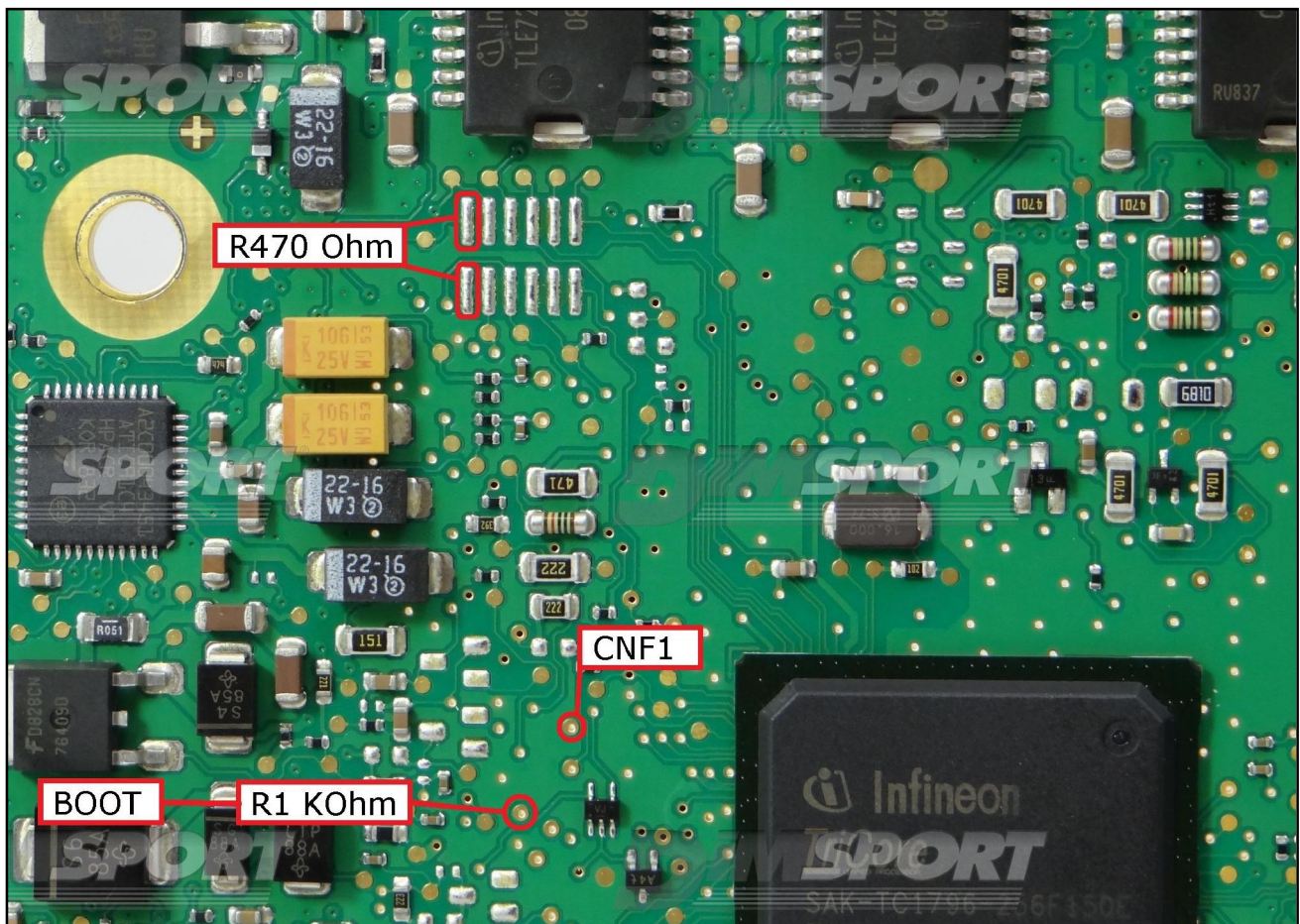
### BOOT & CNF1 DIRECT CONNECTION

Connect the BLUE and GREY wirings of the F32GN037C cable as shown here below:

COLORE FILO WIRE COLOUR	DESCRIZIONE DESCRIPTION
GRIGIO GREY	POL4 BOOT
BLU BLUE	POL5 CNF1

For a correct communication with the ECU it is necessary to connect some resistors on the motherboard:

- 1<sup>st</sup> make a little bridge using a 470 Ohm resistor between the 2 pads shown in the picture here below.
- 2<sup>nd</sup> the BOOT wire (GREY) must be connected to a 1 KOhm resistor and then the resistor connected to the round pad as shown in the picture here below
- the CNF1 wire (BLUE) can be connected directly to the pad

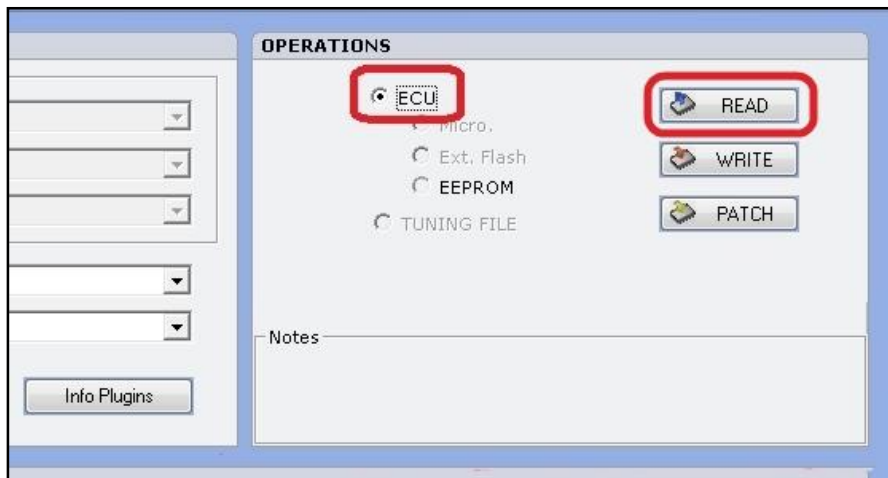


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### PATCH UNLOCK

To unlock the ECU and then proceed with the serial OBDII programming procedure with FLASH 0365 it is necessary to follow these instructions:

- Connect the ECU to the Trasdata as described in the previous pages
- Select the correct connection mode or vehicle.
- Perform the identification of the ECU clicking on the "ID" button.
- After the correct identification select the ECU option then proceed with the reading by clicking on "READ" button. At the end of the reading save the file .DIM on the pc.



- After saving the ECU .DIM file leave the option ECU selected and click on "PATCH" button.  
The software, in order to run the patch, will ask for the .DIM file read just before. Select the .DIM file and the Trasdata will execute the unlock of the ECU.

