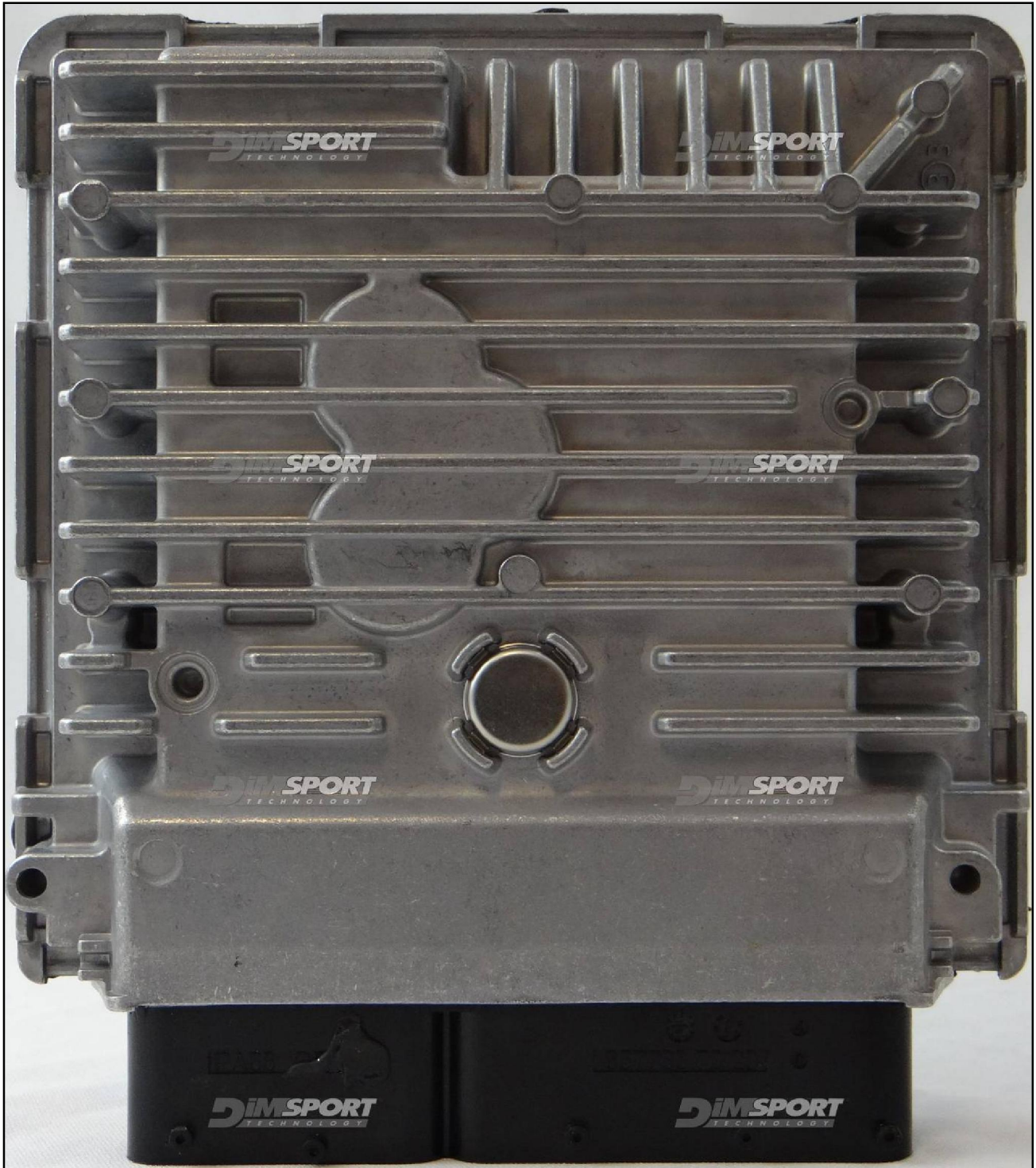


SIEMENS PCR2.1 IROM TC1796 SSM VAG

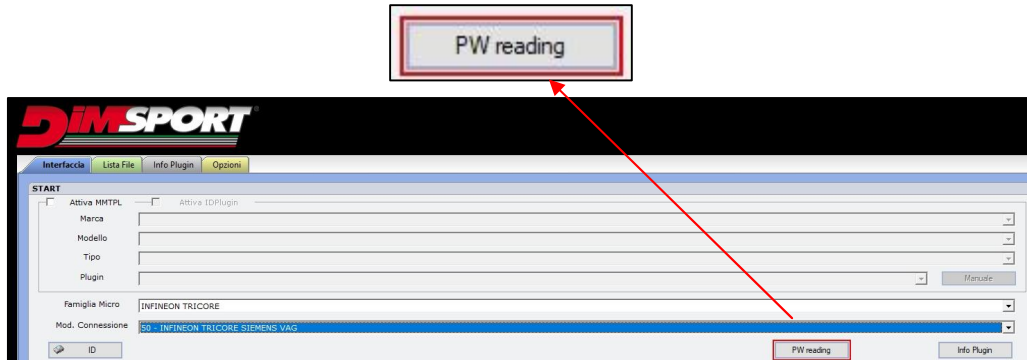
plugin **994**



SIEMENS PCR2.1 IROM TC1796 SSM VAG

WARNING!

Before opening the ECU it is necessary to retrieve the security password which will be saved in the tool and used when you enter in BOOT mode. This operation must be performed the first time you work on the ECU only.



SSM CONNECTION

In order to use the SSM connection it is necessary to use both the ANALOG PORT and the DIGITAL PORT of the Trasdata.

LOOSE WIRES SSM CONNECTION

Connect the F32GN037 cable to the **ANALOG PORT**
Connect the F34NTA18 cable to the **DIGITAL PORT**

F34NTA18

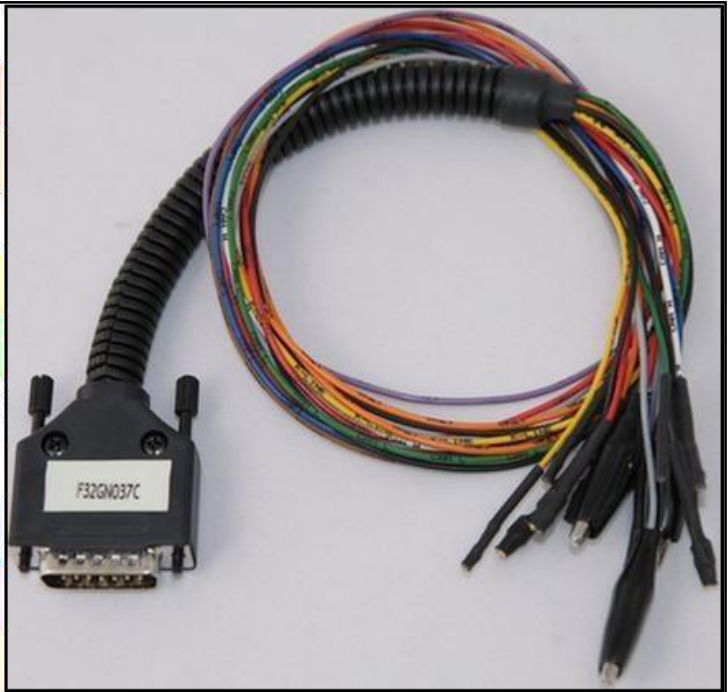


SIEMENS PCR2.1 IROM TC1796 SSM VAG

ECU CONNECTOR

In order to connect to the ECU use the cable F32GN037C.
Make sure that the POWER led (red) on Trasdata is ON.

COLORE FILO WIRE COLOUR	DESCRIZIONE DESCRIPTION
ROSSO RED	POSITIVO DIRETTO POWER BATTERY
ARANCIO ORANGE	POSITIVO SOTTO QUADRO POWER SWITCH ON
NERO BLACK	MASSA GND
GIALLO YELLOW	KLINE
VERDE GREEN	CAN LOW
BIANCO WHITE	CAN HIGH
GRIGIO GREY	POL4 BOOT
BLU BLUE	POL5 CNF1
VIOLA/GRIGIO PURPLE/GREY	TENSIONE PROG. PROG. VOLTAGE
MARRONE BROWN	RESET

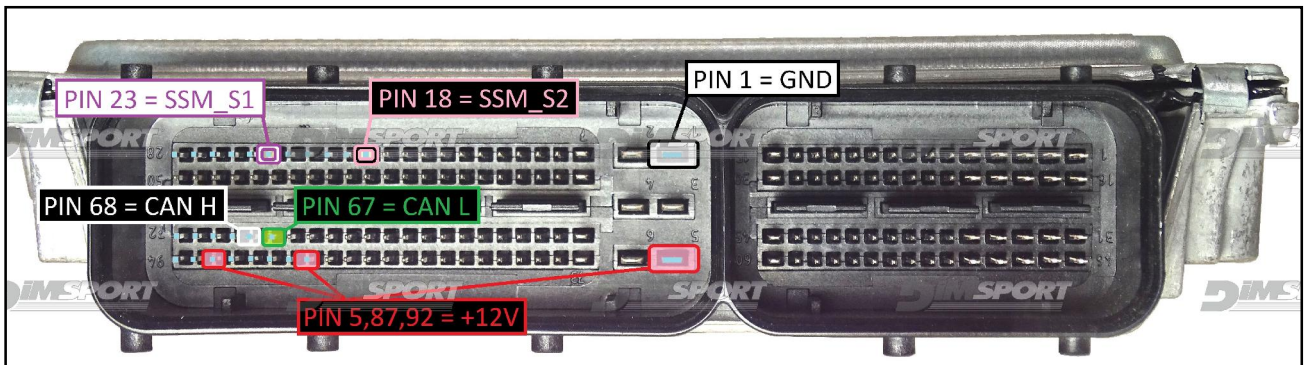


SSM CONNECTION

SSM connection is required for the first time only to recover the PW used during the reading and writing operations, after it is not necessary any longer.

Connect the F34NTA18 flat cable to the SSM S1 & SSM S2 pins.

PIN / Colore PIN / Coulor	DESCRIZIONE DESCRIPTION
SSM_S1	
SSM_S2	



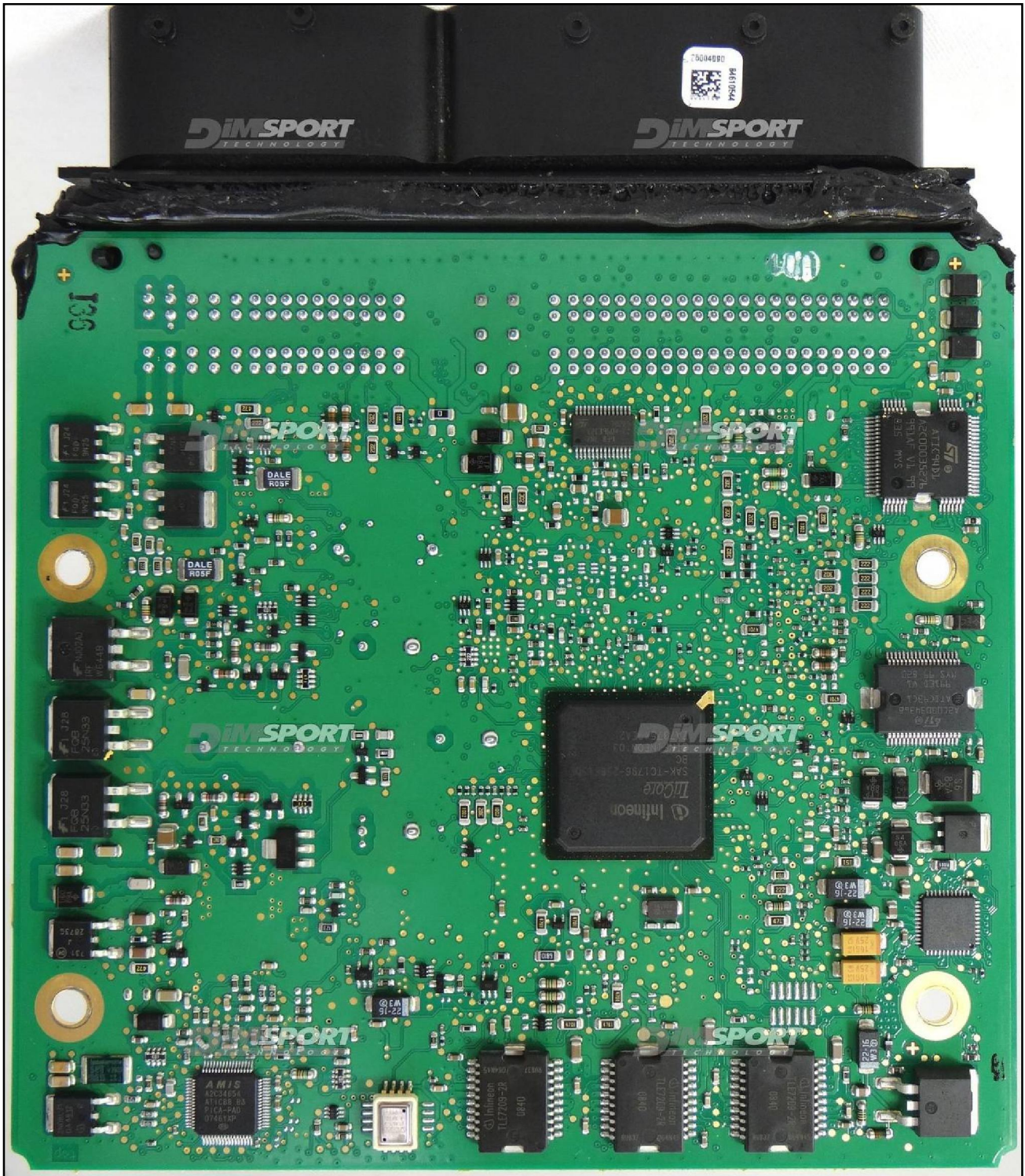
To the power feeding pins 5,87,92 (+12V) you can connect both wires red (VECU) and orange (VKEY) of the F32GN037C cable, they both have 12V signal.

SIEMENS PCR2.1 IROM TC1796 SSM VAG

After the correct reading of the password you can open the ECU and perform the connections for the BOOT mode.

On this ECU you can work in 2 different ways:

1. By using the metal positioning frame adapter F34DM031
2. By direct connection



SIEMENS PCR2.1 IROM TC1796 SSM VAG

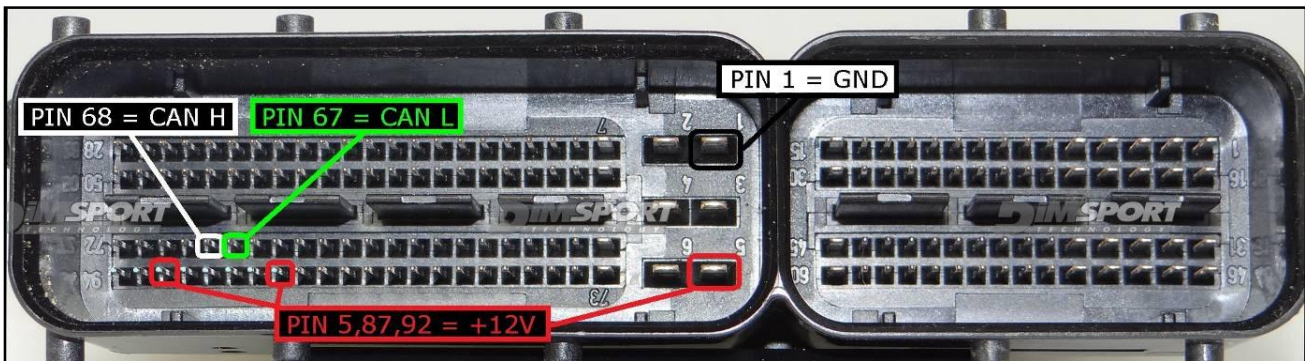
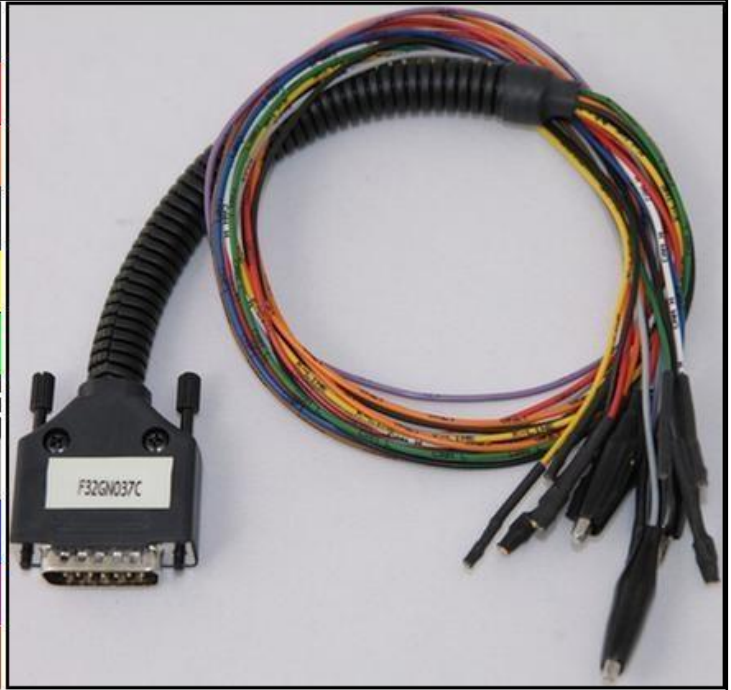
ECU CONNECTOR

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: loose wires or metal positioning frame adapter.

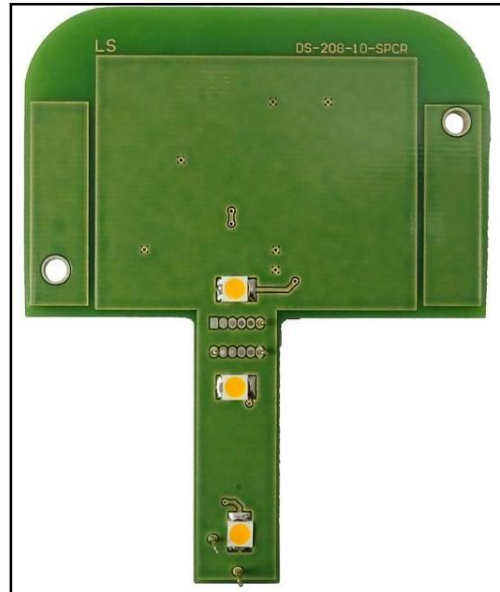
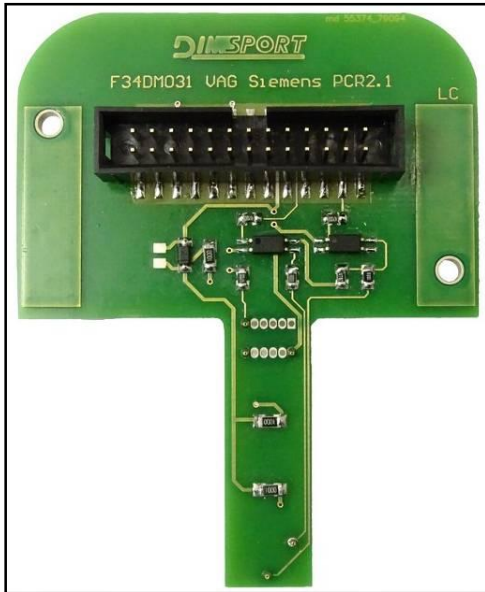
COLORE FILO WIRE COLOUR	DESCRIZIONE DESCRIPTION
■ ROSSO RED	POSITIVO DIRETTO POWER BATTERY
■ ARANCIO ORANGE	POSITIVO SOTTO QUADRO POWER SWITCH ON
■ NERO BLACK	MASSA GND
■ GIALLO YELLOW	KLINE
■ VERDE GREEN	CAN LOW
■ BIANCO WHITE	CAN HIGH
■ GRIGIO GREY	POL4 BOOT
■ BLU BLUE	POL5 CNF1
■ VIOLA/GRIGIO PURPLE/GREY	TENSIONE PROG. PROG. VOLTAGE
■ MARRONE BROWN	RESET



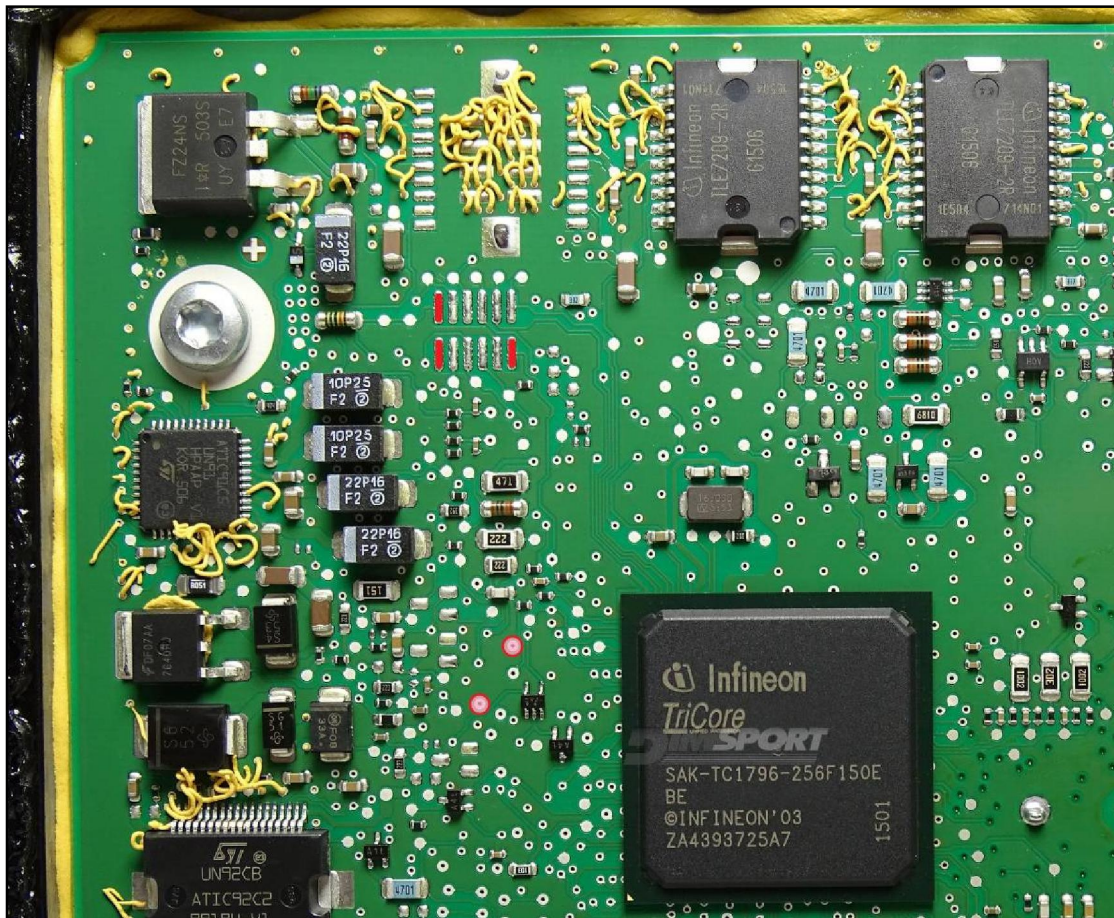
To the power feeding pins 5,8,7,9,2 (+12V) you can connect both wires red (VECU) and orange (VKEY) of the F32GN037C cable, they both have 12V signal.

SIEMENS PCR2.1 IROM TC1796 SSM VAG

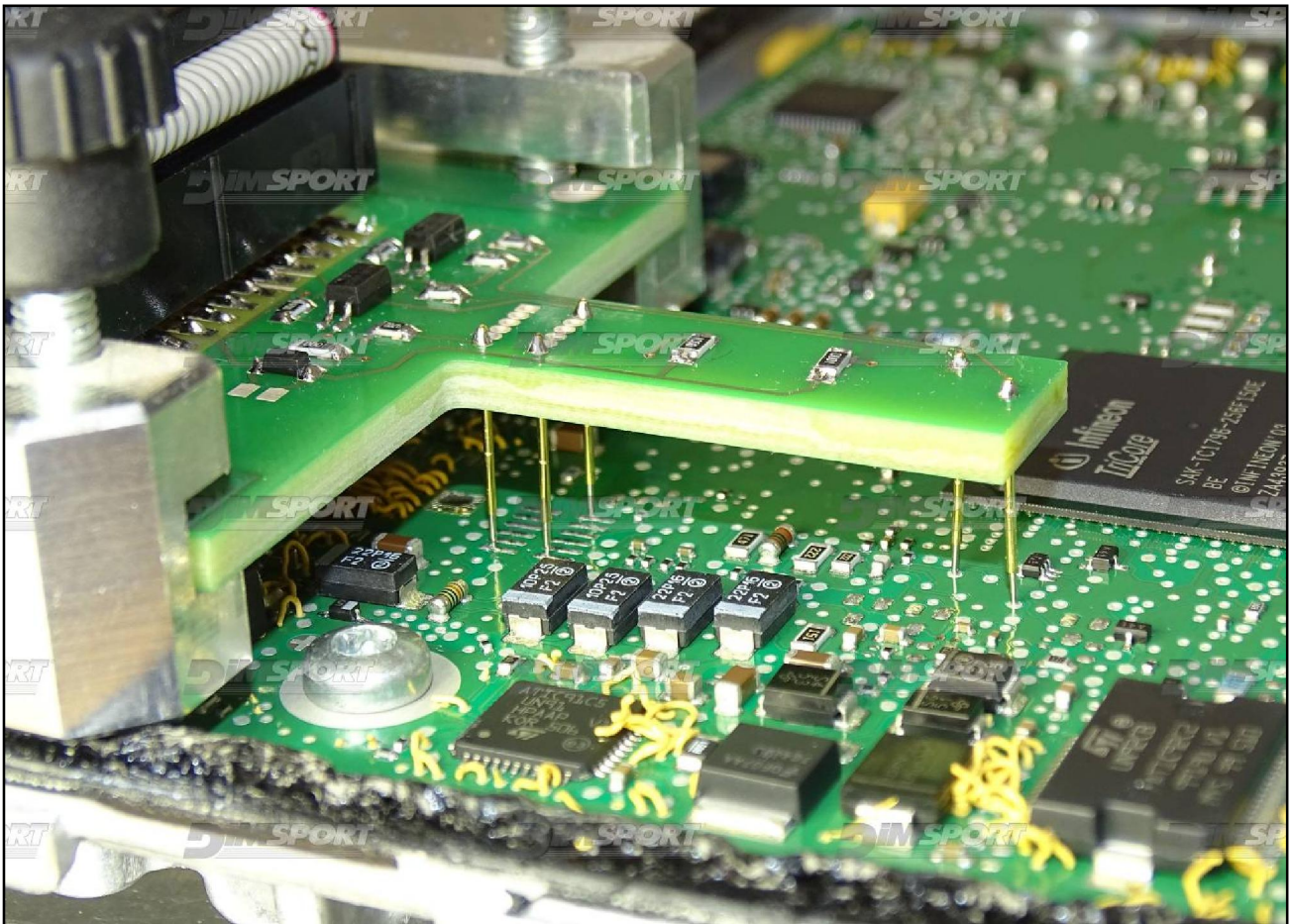
1 – METAL POSITIONING FRAME ADAPTER F34DM031



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



SIEMENS PCR2.1 IROM TC1796 SSM VAG



SIEMENS PCR2.1 IROM TC1796 SSM VAG



SIEMENS PCR2.1 IROM TC1796 SSM VAG

2 - DIRECT BOOT & CNF1 CONNECTION

Connect the GREY&BLUE wires of the cable F32GN037C as described 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:

- 1st make a little bridge using a 470 Ohm resistor between the 2 pads shown in the picture here below.
- 2nd 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

