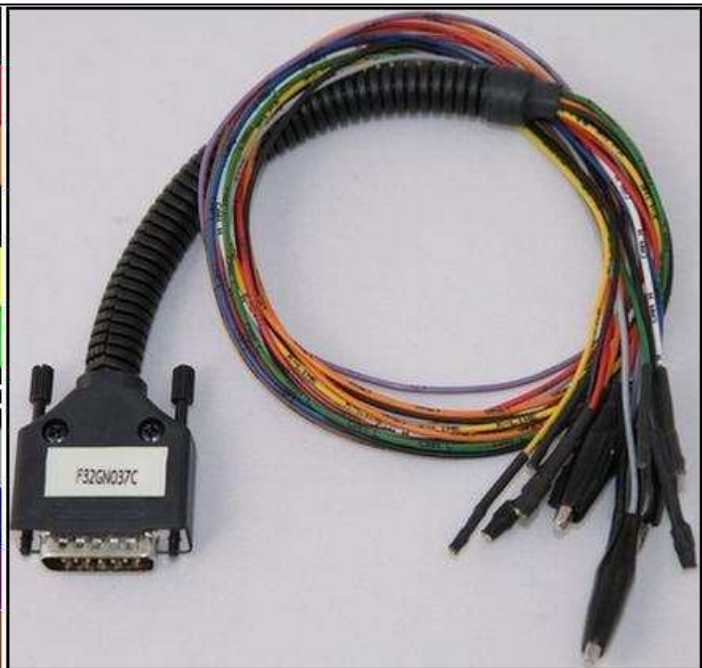# TRW EMS2 MPC5554 TRUCK

plugin 246

The lay-by pins are placed in the lower part of the ECU.

DIRECT CONNECTION

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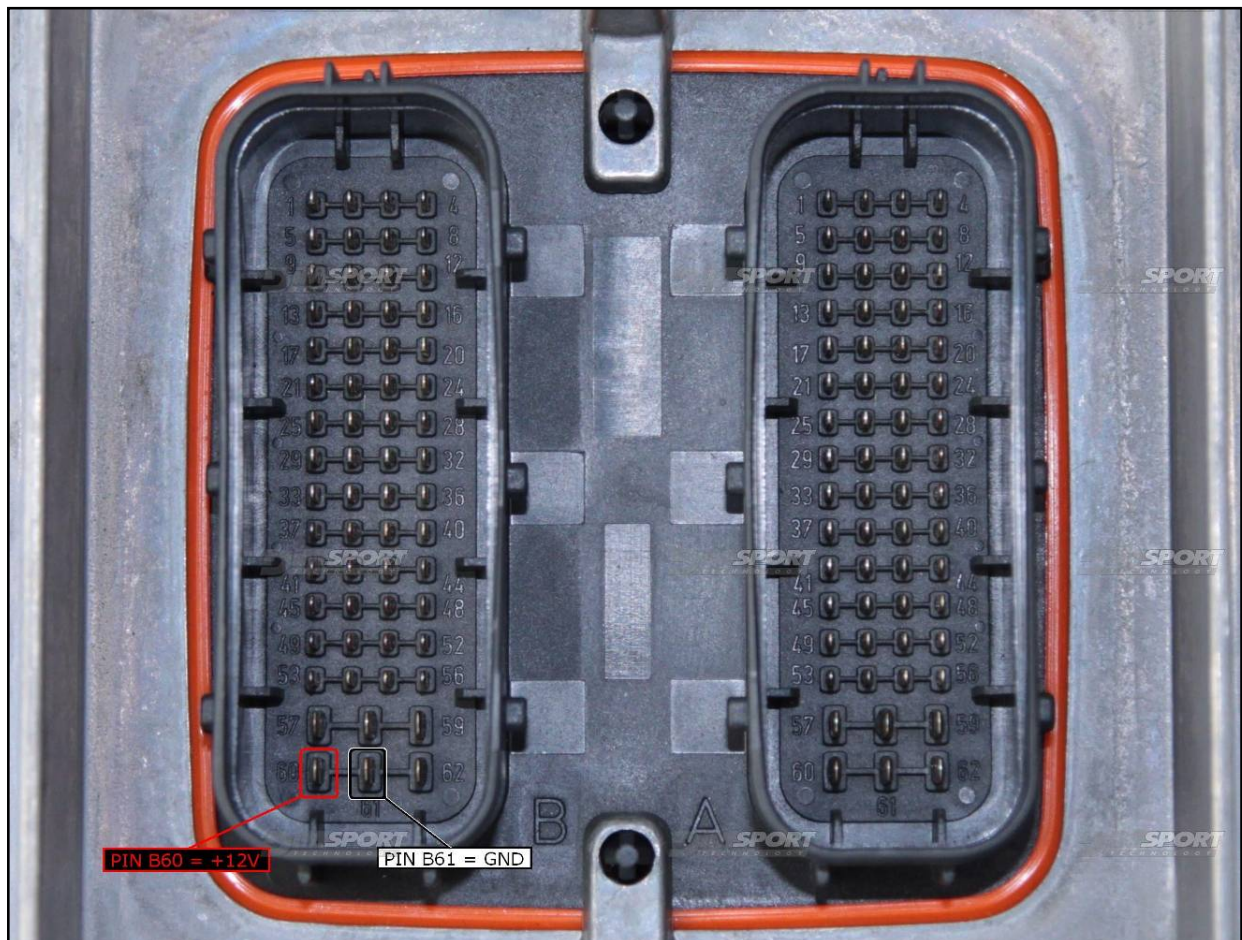Make sure that the POWER led (red) on Trasdata is ON.

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

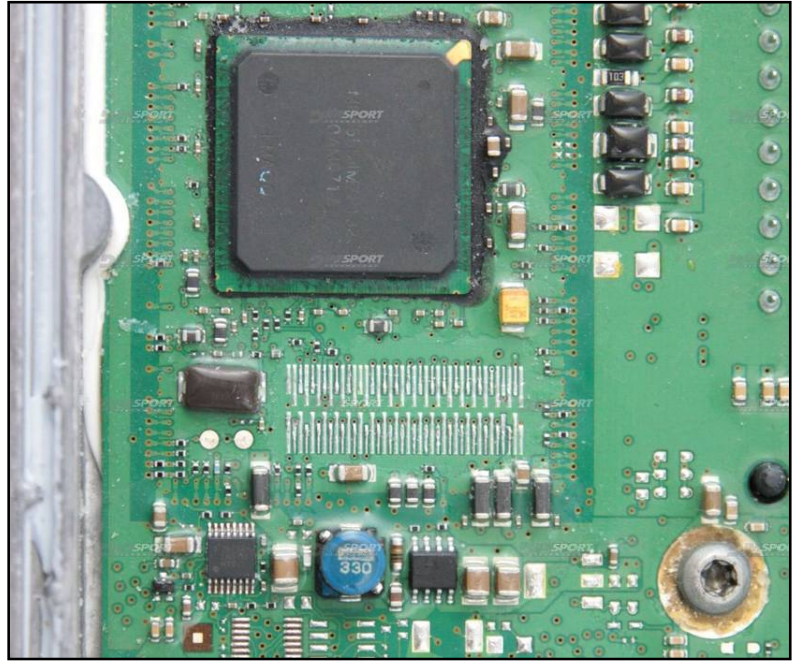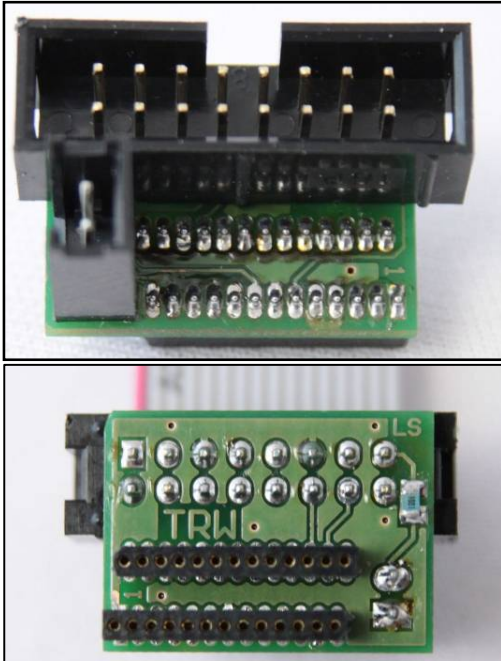# TRW EMS2 MPC5554 TRUCK

ECU CONNECTOR

Due to the relevant power absorbed by the ECU at the beginning of the communication procedures it is necessary to feed the ECU with a booster or an additional battery. The ECU must be fed through the Trasdata, connect the F32GN003 power cable to the Trasdata.
In order to connect to the ECU use the F32GN037C/D cable as shown in the following pictures.
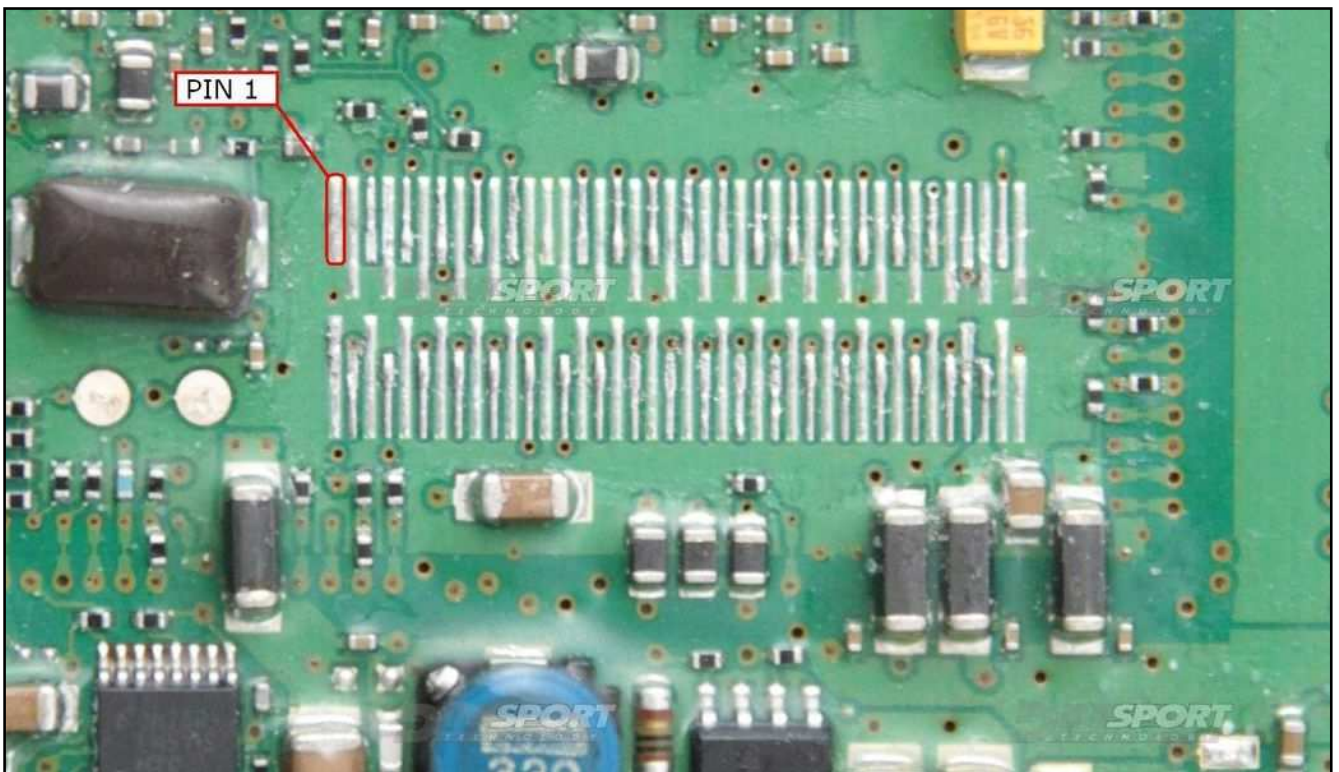

PIN B60 = +12V

PIN B61 = GND

TRW EMS2 MPC5554 TRUCK

DIRECT CONNECTION with F34NTA10 adapter

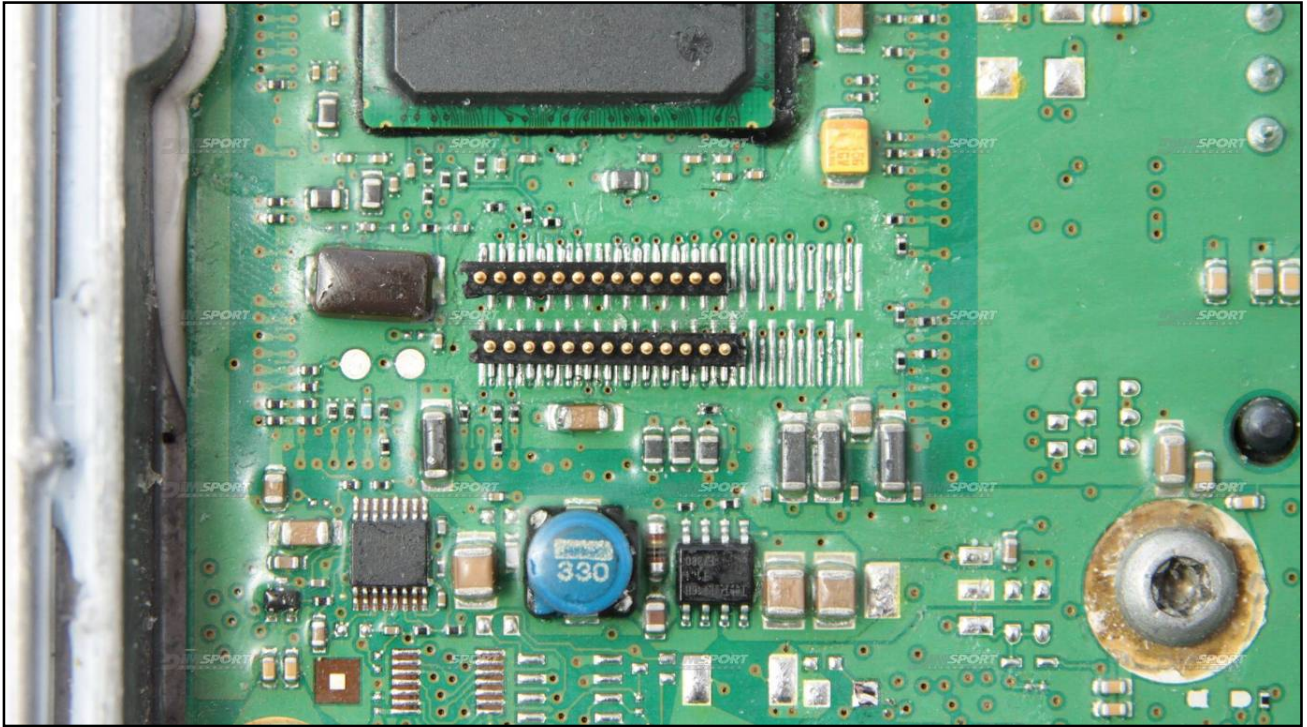JTAG lay-by pins are located under the microprocessor.

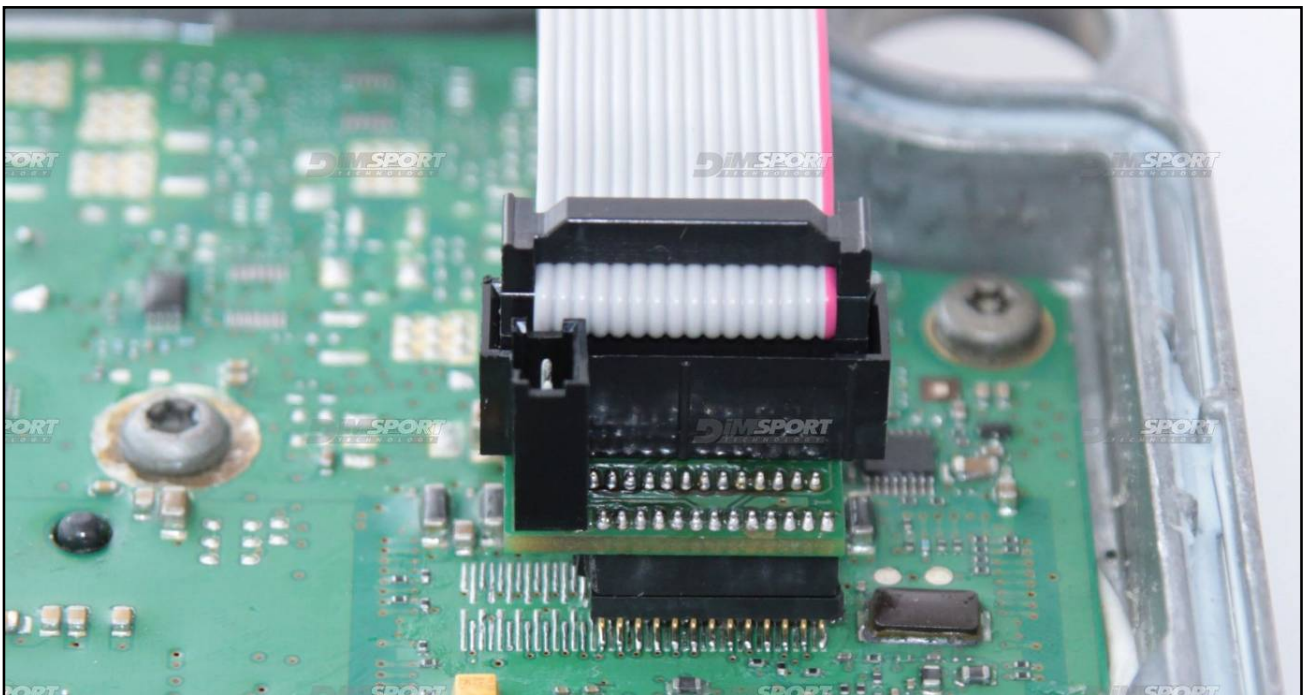Identify the PIN 1 as described in the picture here below

TRW EMS2 MPC5554 TRUCK

Communication JTAG lay-by pins are the shortest ones, the others are GROUND signals NOT used. During the strip soldering you must be very careful to avoid any short-circuits. Solder the strips as shown in the following pictures.
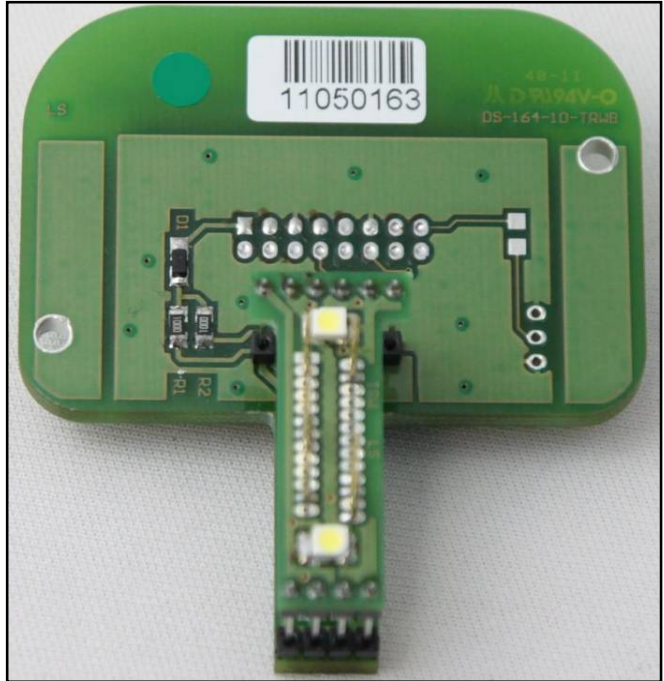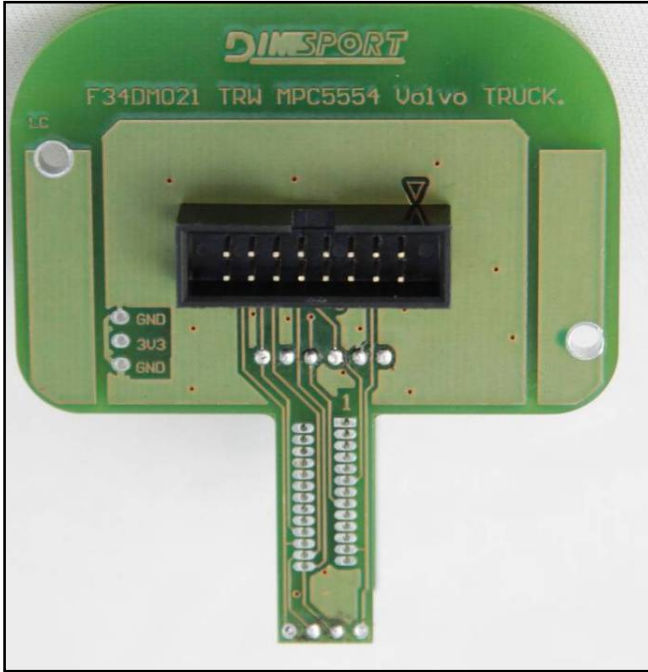

For a correct soldering use the PIN 1 as the good reference, check the following picture.
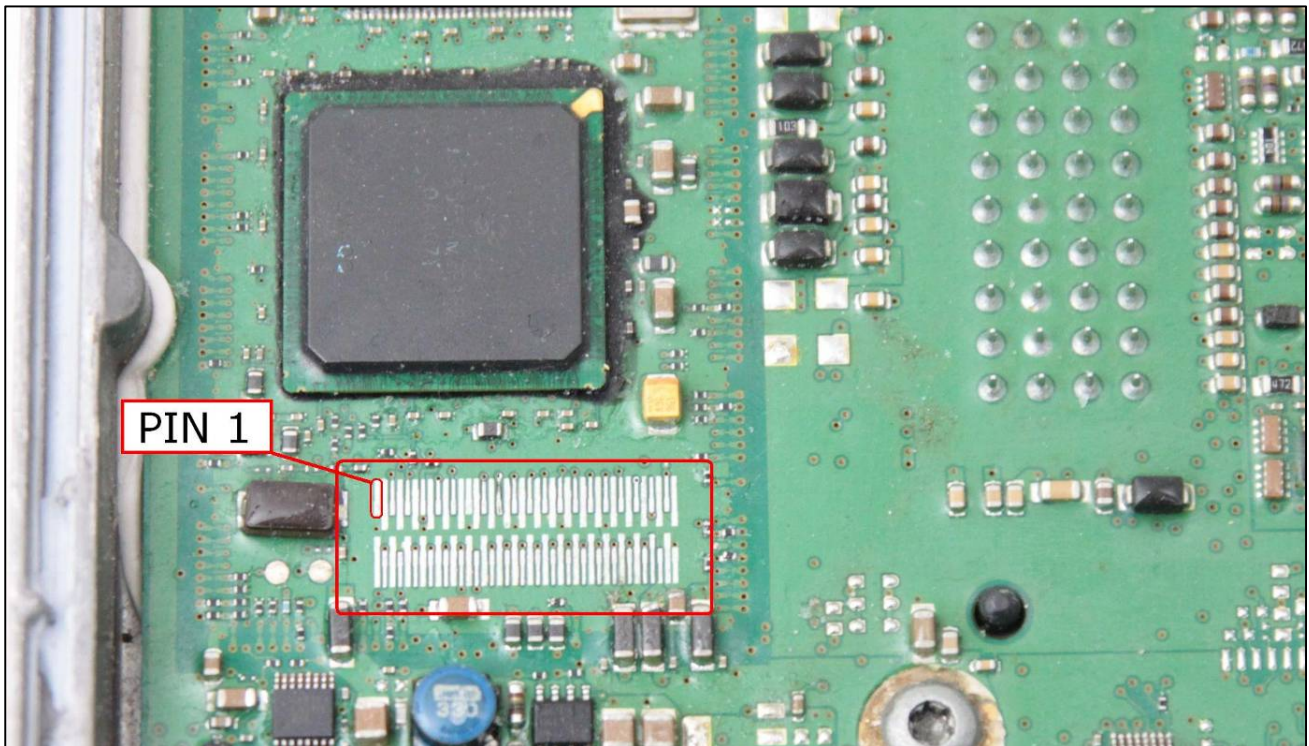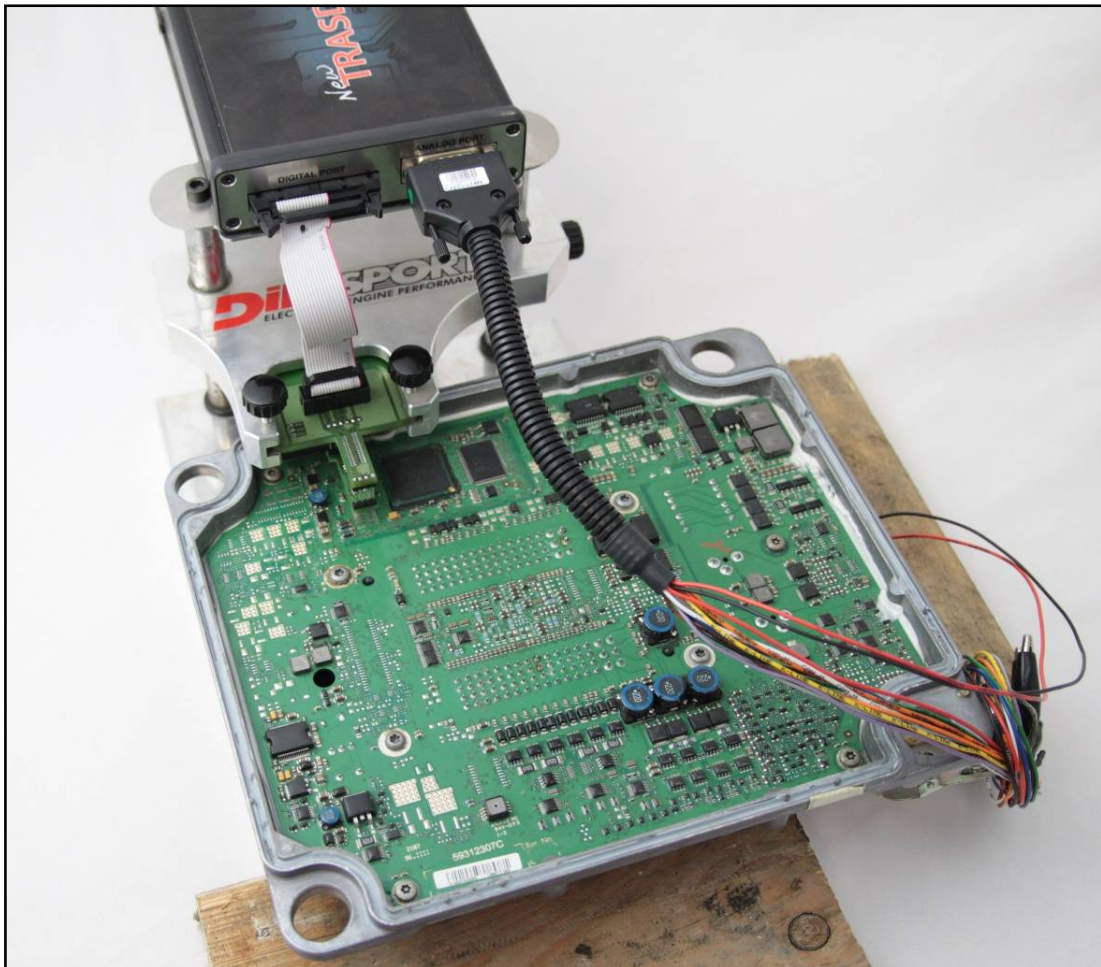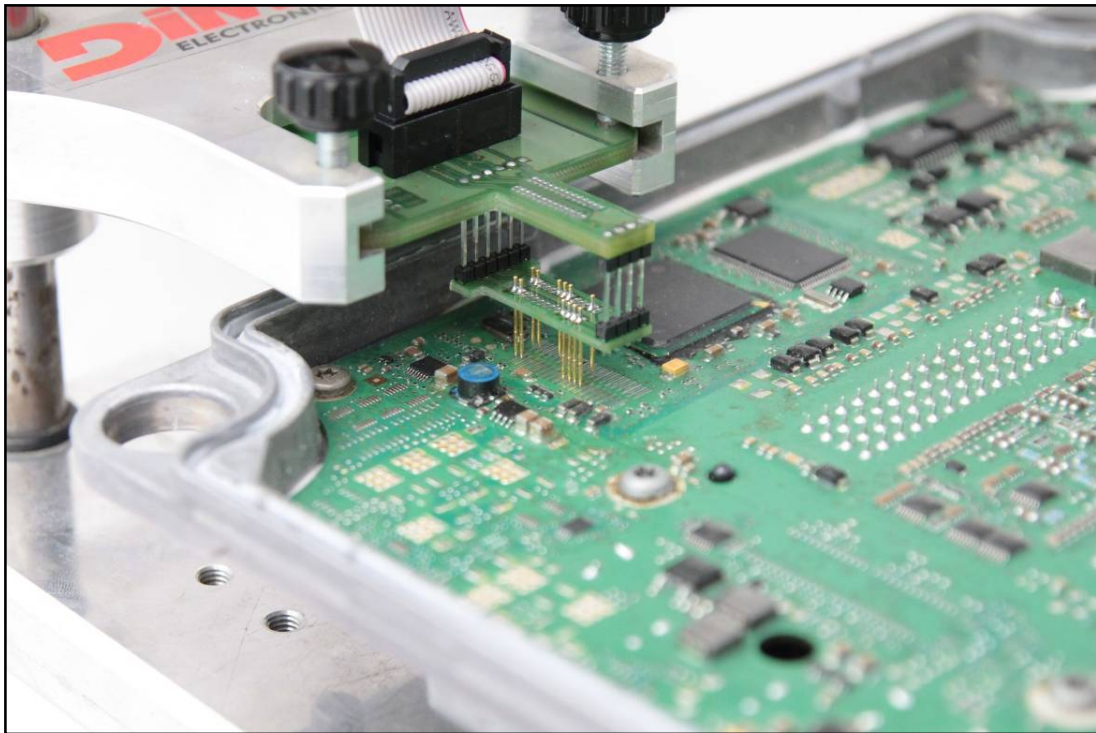
TRW EMS2 MPC5554 TRUCK

F34DM021 DIMA CONNECTION

WARNING: for a correct communication with the DIMA the lay by pins MUST be very clean, remove all the tin from them to avoid any damage to the adapter needles. Moreover lay the ECU flat on the Metal Positioning Frame in order to avoid any damage and grant a correct communication.
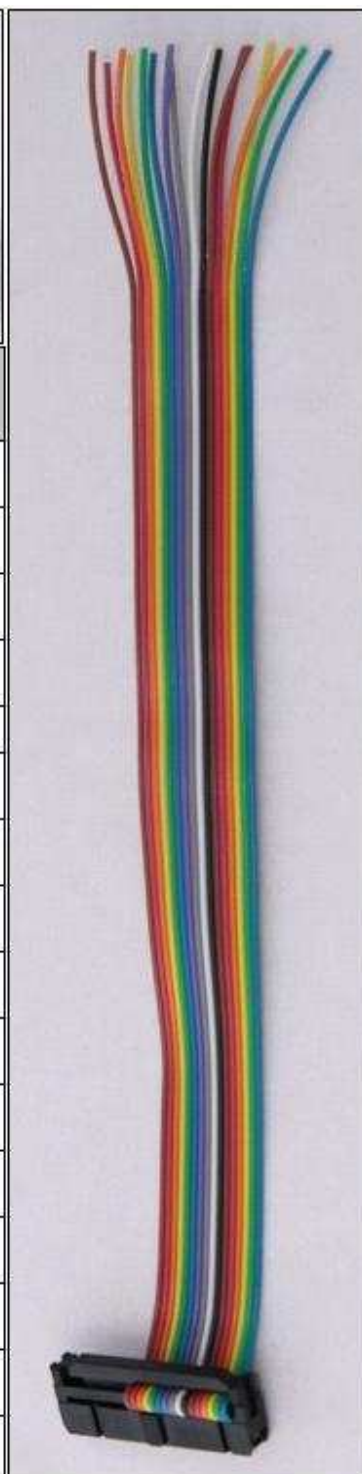
TRW EMS2 MPC5554 TRUCK

TRW EMS2 MPC5554 TRUCK

J-TAG FREE WIRING CONNECTION
Connect the F34NTF53 wiring as explained here below :

Pin	Colore Colour
11	Non usato Not used
12	Non usato Not used
13	Non usato Not used
14	Non usato Not used
15	Non usato Not used
16	Blu Blue
17	Viola Violet
18	Grigio Grey
19	Bianco White
20	Nero Black
21	Marrone Brown
22	Rosso Red
23	Non usato Not used
24	Giallo Yellow
25	Non usato Not used
26	Non usato Not used

TRW EMS2 MPC5554 TRUCK

Communication JTAG lay-by pins are the shortest ones, the others are GROUND signals NOT used. During the strip soldering you must be very careful to avoid any short-circuits. Solder the strips as shown in the following pictures.