### plugin 313

WARNING: this ECU type can have 3 different motherboards, after the ECU opening please check if your one is TYPE 01, TYPE 02, TYPE 03



ECU **TYPE 01** – reading & writing side



#### **DIRECT CONNECTION**

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

| The second second second | RE FILO<br>COLOUR | DESCRIZIONE<br>DESCRIPTION               |
|--------------------------|-------------------|--|
|                          | ROSSO<br>RED      | POSITIVO DIRETTO<br>POWER BATTERY        |
|                          | ARANCIO<br>ORANGE | POSITIVO SOTTO QUADRO<br>POWER SWITCH ON |
|                          | NERO<br>BLACK     | MASSA<br>GND                             |
|                          | GIALLO<br>YELLOW  | KLINE                                    |
|                          | VERDE<br>GREEN    | CAN LOW                                  |
|                          | BIANCO<br>WHITE   | CAN HIGH                                 |
|                          | GRIGIO<br>GREY    | POL4<br>BOOT                             |
|                          | BLU<br>BLUE       | POL5<br>CNF1                             |
|                          |                   | TENSIONE PROG.<br>PROG. VOLTAGE          |
|                          | MARRONE<br>BROWN  | RESET                                    |



#### **CONNECTOR ECU TYPE 01**



#### **WARNING:**

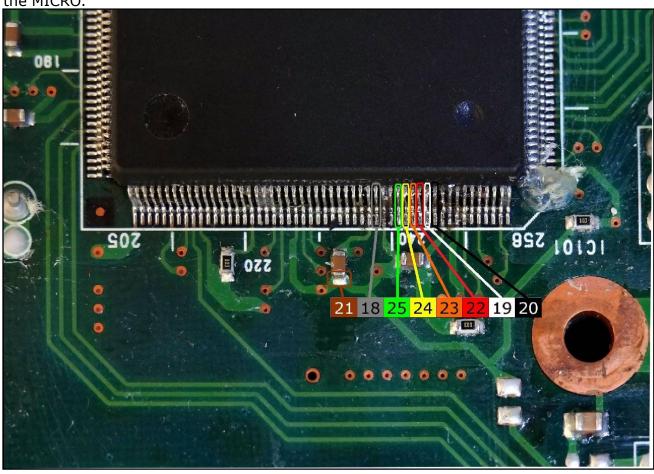
on this ECU you must use two different flat cables: one is for the READING procedure and one is for the WRITING procedure.

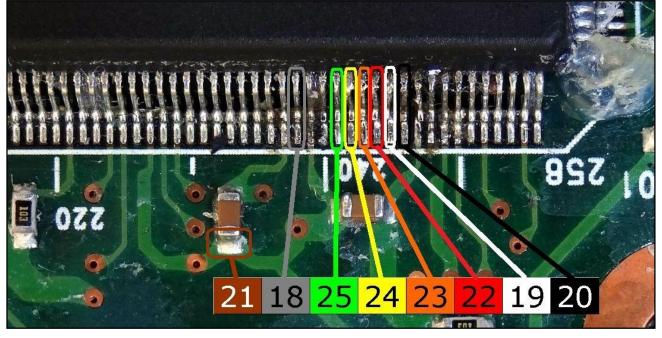
#### **DIRECT CONNECTION – ECU READING:**

For the READING procedure use the FLAT cable F34NTF53

|          | 1 25<br>2 26          |  |
|----------|-----------------------|--|
| Pin      | Colore                |  |
| 7311     | Colour                |  |
| 11       | Non usato             |  |
|          | Not used              |  |
| 1.2      | Non usato             |  |
| 590,91   | Not used<br>Non usato |  |
| 13       | Non usato<br>Not used |  |
| 2.5      | Non usato             |  |
| 14       | Not used              |  |
| 1.5      | Non usato             |  |
| 15       | Not used              |  |
| 16       | Non usato             |  |
| 10       | Not used              |  |
| 17       | Non usato<br>Not used |  |
| (WO 924) | Not used<br>Grigio    |  |
| 18       | Grey                  |  |
| 4.0      | Bianco                |  |
| 19       | White                 |  |
| 20       | Nero                  |  |
| 20       | Black                 |  |
| 21       | Marrone<br>Brown      |  |
| 22       | Rosso                 |  |
| 2.2      | Red                   |  |
| 23       | Arancio               |  |
| 23       | Orange                |  |
| 24       | Giallo<br>Yellow      |  |
| 60.000 E | Verde                 |  |
| 25       | Green                 |  |
| 26       | Non usato             |  |
| 20       | Not used              |  |

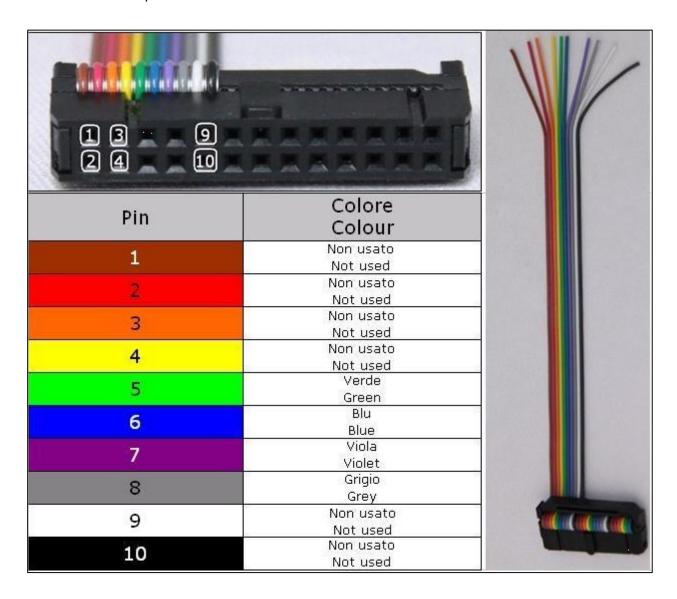
**TYPE 01 WARNING**: for the reading procedure it is necessary to connect directly to the pins of the MICRO.



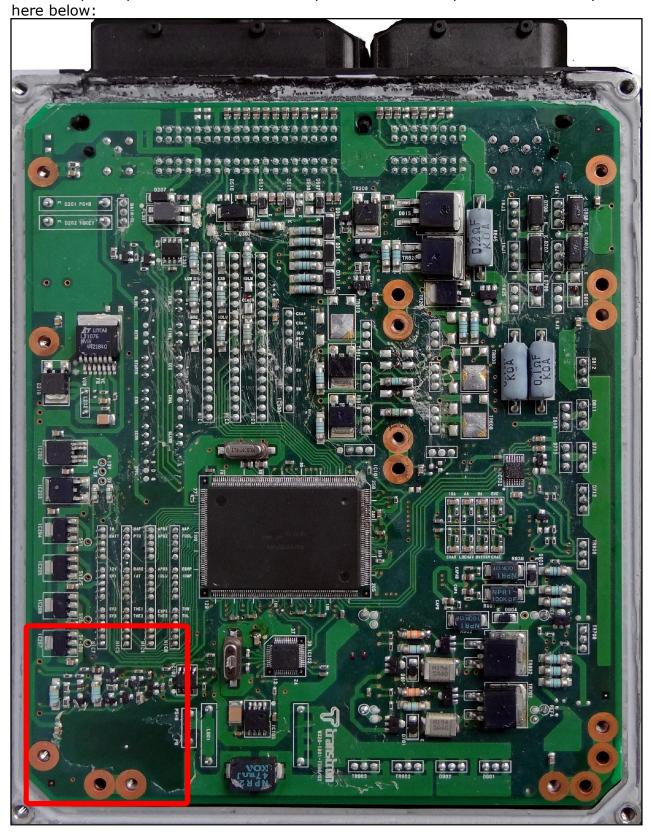


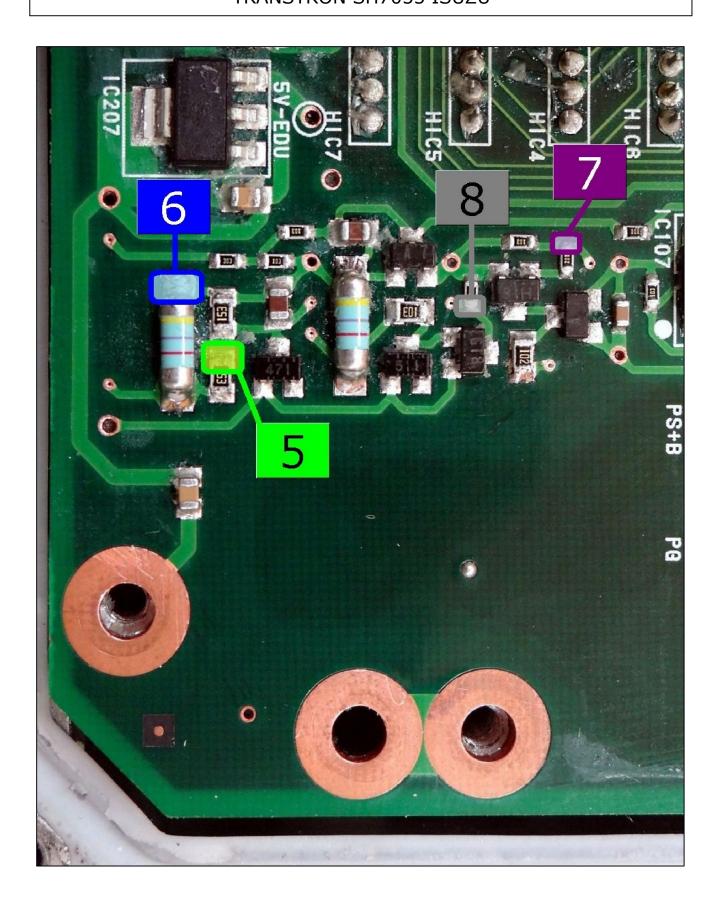
#### **DIRECT CONNECTION - ECU WRITING:**

For the WRITING procedure use the FLAT cable F34NTF51

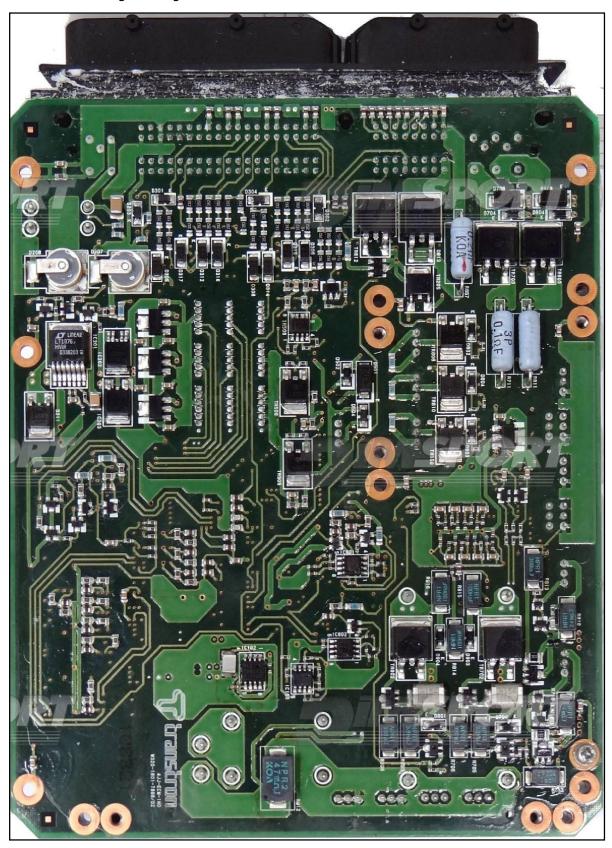


# **TYPE 01**: all the required pads and connections are placed in the red square shown in the picture





ECU **TYPE 02** reading&writing side



#### **DIRECT CONNECTION**

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

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



#### **CONNECTOR ECU TYPE 02**



#### **WARNING:**

on this ECU you must use two different flat cables: one is for the READING procedure and one is for the WRITING procedure.

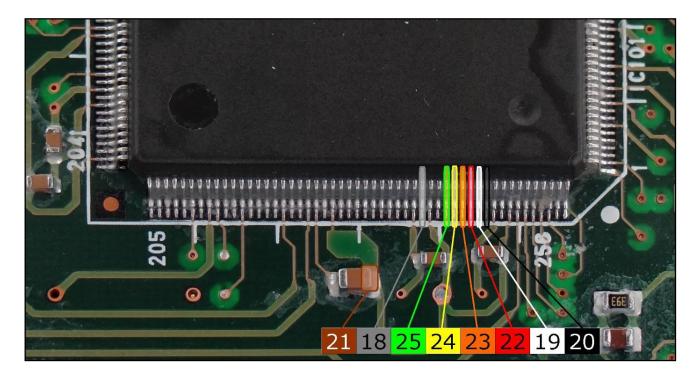
#### **DIRECT CONNECTION – ECU READING:**

For the READING procedure use the FLAT cable F34NTF53

|  | 26                    |  |
|--|-----------------------|--|
| Pin  | Colore                |  |
| C.III  | Colour                |  |
| 11   | Non usato             |  |
|  | Not used              |  |
| 12   | Non usato             |  |
| 表面   | Not used              | _  |
| 13   | Non usato             |  |
| 10-07-040 S  | Not used<br>Non usato |  |
| 14   | Not used              |  |
| 2.4  | Non usato             |  |
| 15   | Not used              |  |
| 16   | Non usato             |  |
| 16   | Not used              |  |
| 17   | Non usato             |  |
| 70 AC  | Not used              |  |
| 18   | Grigio                |  |
|  | Grey<br>Bianco        | -  |
| 19   | White                 |  |
| 10000  | Nero                  |  |
| 20   | Black                 |  |
| 21   | Marrone               |  |
|  | Brown                 |  |
| 2.2  | Rosso<br>Red          |  |
| the second secon | Arancio               |  |
| 23   | Orange                |  |
| 24   | Giallo                |  |
| ۷٦.  | Yellow                |  |
| 25   | Verde<br>Croop        | Control of the contro |
| 92.00 S  | Green<br>Non usato    |  |
| 26   | Not used              |  |

#### **TYPE 02**

WARNING: for the reading procedure it is necessary to connect directly to the pins of the MICRO.

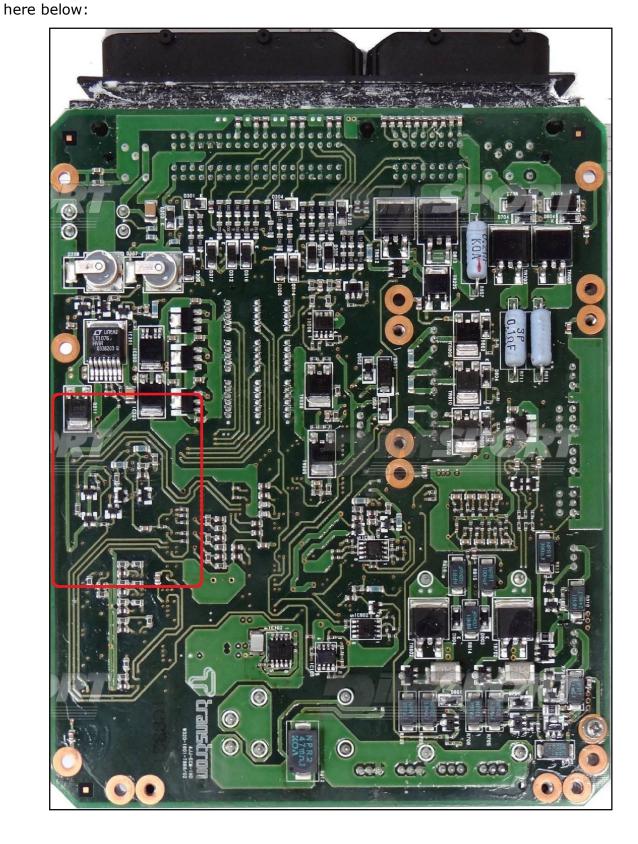


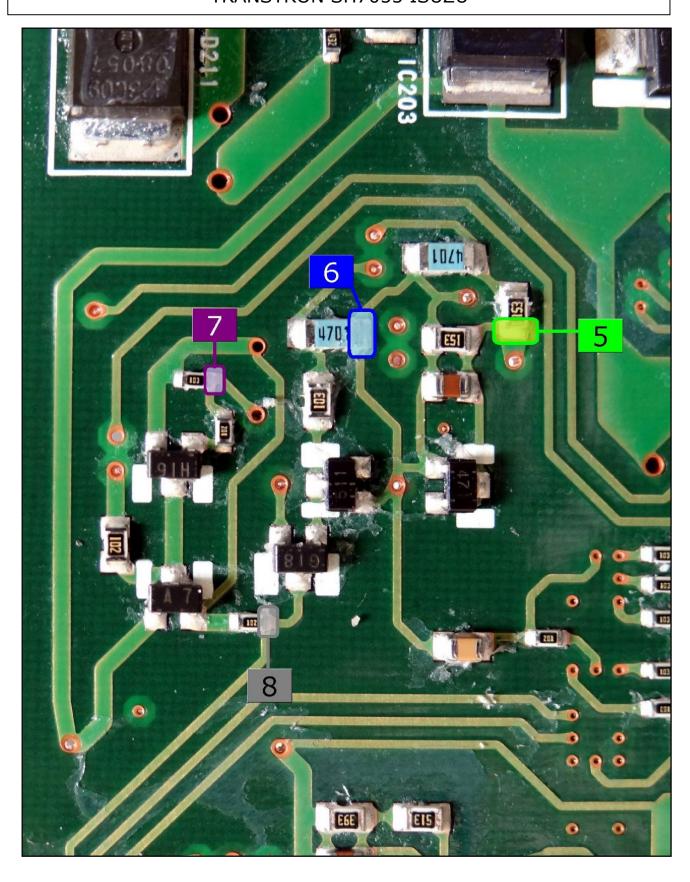
#### **DIRECT CONNECTION – ECU WRITING:**

For the WRITING procedure use the FLAT cable F34NTF51

| 1 3 9 2 4 10 |                       |  |
|--------------|-----------------------|--|
| Din          | Colore                |  |
| Pin          | Colour                |  |
| 1            | Non usato             |  |
| <del>.</del> | Not used              |  |
| 2            | Non usato             |  |
| -            | Not used              |  |
| 3            | Non usato             |  |
|              | Not used<br>Non usato |  |
| 4            |                       |  |
| _            | Not used<br>Verde     |  |
| 5            | Green                 |  |
|              | Blu                   |  |
| 6            | Blue                  |  |
| 7            | Viola                 |  |
|              | Violet                |  |
| 8            | Grigio                |  |
|              | Grey                  |  |
| 9            | Non usato             | The state of the s |
|              | Not used              |  |
| 10           | Non usato<br>Not used |  |
|              | างอะเนรียน            |  |

**TYPE 02**: all the required pads and connections are placed in the red square shown in the picture





ECU TYPE 03 motherboard side for reading & writing



#### **DIRECT CONNECTION**

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

| COLORE FILO<br>WIRE COLOUR | DESCRIZIONE<br>DESCRIPTION            |  |
|----------------------------|---------------------------------------|--|
| ROSSO<br>RED               | POSITIVO DIRETTO POWER BATTERY        |  |
| ARANCIO<br>ORANGE          | POSITIVO SOTTO QUADRO POWER SWITCH ON |  |
| NERO<br>BLACK              | MASSA<br>GND                          |  |
| GIALLO<br>YELLOW           | KLINE                                 |  |
| VERDE<br>GREEN             | CAN LOW                               |  |
| BIANCO<br>WHITE            | CAN HIGH                              |  |
| GRIGIO<br>GREY             | POL4<br>BOOT                          | F32GN037C  |
| BLU<br>BLUE                | POL5<br>CNF1                          | 1000000  |
|                            | TENSIONE PROG. PROG. VOLTAGE          | THE STATE OF THE S |
| MARRONE<br>BROWN           | RESET <sup>®</sup>                    |  |

#### **CONNECTOR ECU TYPE 03**



#### **WARNING:**

on this ECU you must use two different flat cables: one is for the READING procedure and one is for the WRITING procedure.

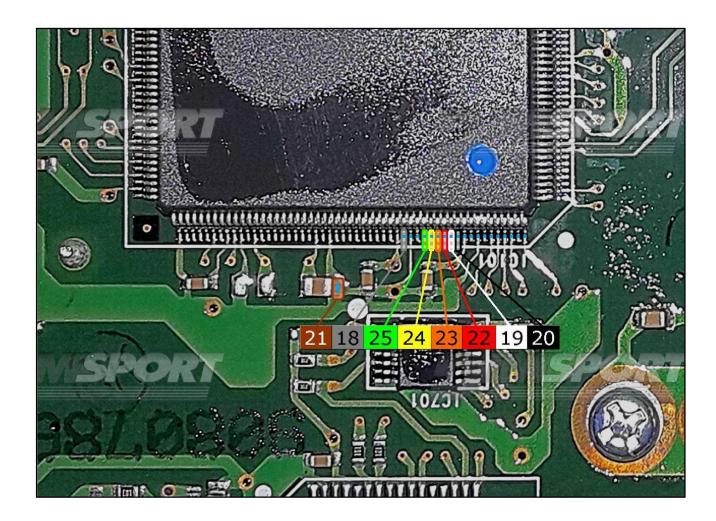
### **DIRECT CONNECTION – ECU READING:**

For the READING procedure use the FLAT cable F34NTF53

| Pin     | Colore                |     |
|---------|-----------------------|-----|
| 7.111   | Colour                |     |
| 11      | Non usato             |     |
| 11      | Not used              |     |
| 12      | Non usato             |     |
| 3/6     | Not used              |     |
| 13      | Non usato             |     |
| ******  | Not used<br>Non usato |     |
| 14      | Not used              |     |
| 2.4     | Non usato             |     |
| 15      | Not used              |     |
| 16      | Non usato             |     |
| 10      | Not used              |     |
| 17      | Non usato             |     |
| in file | Not used              | 4   |
| 18      | Grigio                |     |
| -       | Grey<br>Bianco        | -   |
| 19      | White                 |     |
|         | Nero                  | · · |
| 20      | Black                 |     |
| 21      | Marrone<br>Brown      |     |
| 2.2     | Rosso                 |     |
| 5-5     | Red                   |     |
| 23      | Arancio               |     |
| 2000000 | Orange<br>Giallo      |     |
| 24      | Yellow                |     |
| 25      | Verde                 |     |
| 23      | Green                 |     |
| 26      | Non usato<br>Not used |     |

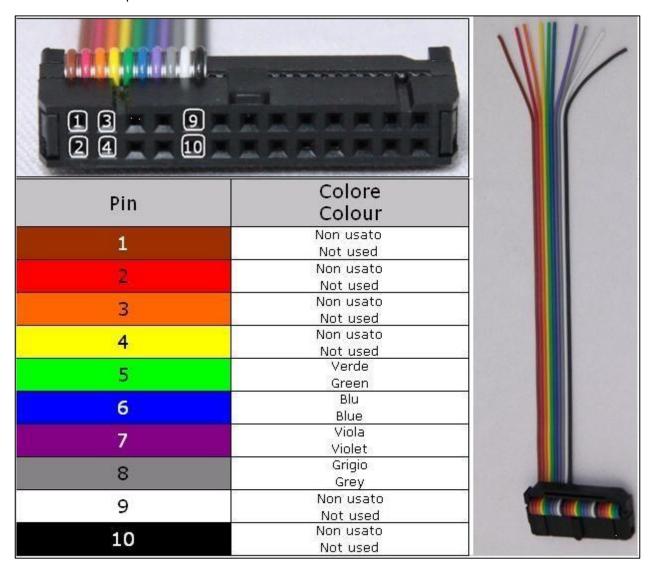
### TYPE 03

WARNING: for the reading procedure it is necessary to connect directly to the pins of the MICRO.



#### **DIRECT CONNECTION - ECU WRITING:**

For the WRITING procedure use the FLAT cable F34NTF51



#### **TYPE 03**:

all the required pads and connections are placed in the red square shown in the picture here below:

