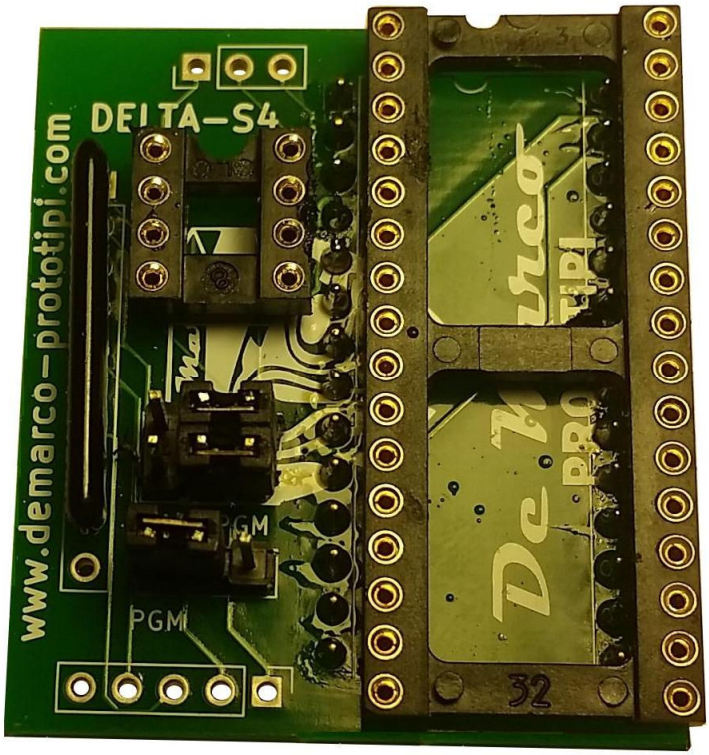
Mr. Hide DELTA S4

EPROM switcher for all types of EPROMs of the 27Cxxx series 2,4,8,16 maps



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Mr. Hide DELTA S4

Mr. Hide DELTA S4 is a multi-map switcher capable of managing many memories both in input and output.

Mr. Hide DELTA S4 manages up to 8 maps with EPROM of the 27CXXX, 27SFXXX series, the configurations are normally 4 maps with manual switch and 8 maps in continuous communication with our Shift PROTO XX gear counter (Attention, not all models are compatible).

How many mappings can Mr. Hide DELTA S4 manage?

Mr. Hide DELTA S4 can manage 4 mappings (with manual control), one of which can be a Launch control mapping (assisted start).

The management of the Launch control mapping is achieved by closing PIN A and PIN B to the positive +5V via a button and adjusting the switch in order to have only 3 rotary positions.

If the Shift Proto XX gear counter is connected to Mr. Hide DELTA S4, you can have a different mapping for each gear inserted up to a maximum of 8 maps.

Let's try to clarify the concept: Shift Proto XX communicates electronically with Mr. Hide DELTA S4, indicating to the latter which gear is engaged.

Mr. Hide DELTA S4, once the gear engaged is known, activates the relevant mapping (if the system is in 1st, the mapping of 1st is activated, if the system is in 2nd, the mapping of 2nd is activated, and so on up to a maximum of 8 mappings).

By asking Mr. Hide DELTA S4 to activate the mapping for Launch control, it will remain active until the 2nd gear or higher gears are engaged (this is a function active only if coupled with Shift PROTO xxx gear counter).

That is to say that if we go from 1st gear to neutral and then back to 1st, the Launch control mapping will remain active; if, however, you shift into second gear, the Launch control mapping is deactivated and the next time you engage the first gear, the mapping for 1st gear will be engaged and remains until the Launch control button is pressed.

How to activate a launch control map.

A launch control map presents a power and torque at the limit of the tire grip, which guarantees maximum acceleration at the start.

The kit comes with a rotary switch, already configured to select up to 4 different maps (can select 0,1,2, 3).

If the user wants to exclude from the selection, for example, a single map to be used for launch control, he can proceed as follows.

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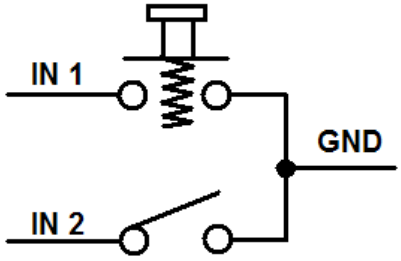


Fig.1.0 possible configuration for launch control

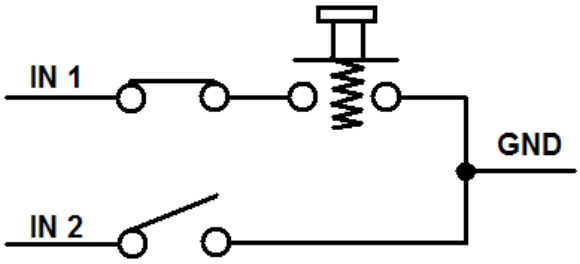


Fig.2 possible configuration for launch control, with button in series

Following the diagram above, add a button in place of the switch (Fig.1) or in series with it (Fig.2).

In the first case, when the button is closed (Fig.1), map 2 will be activated. In any case, it is necessary to configure the main switch in the appropriate position.

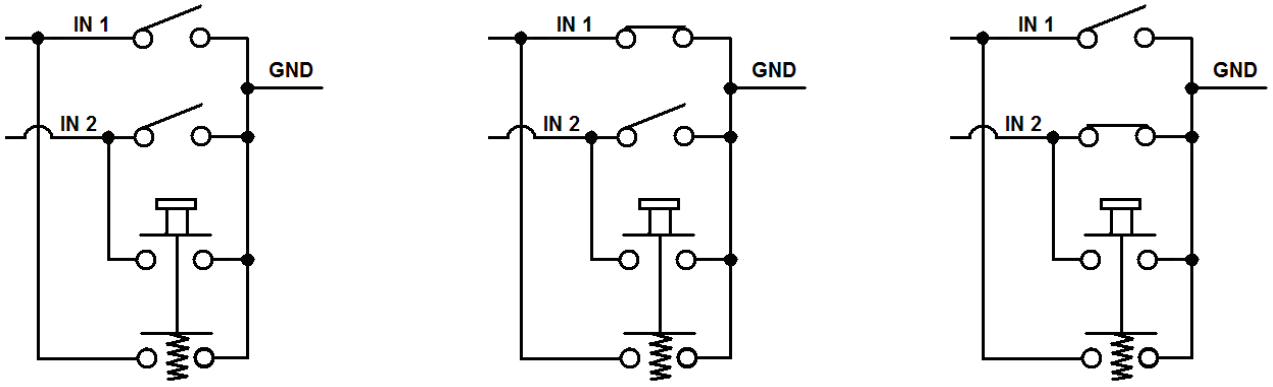


Fig.3 possible configuration for launch control, with button in parallel

In the second case, when the button is closed (Fig.3), map "0" will be activated, without configuring the switch in a particular position, when it is released it returns to the previous configuration.

How to activate a Flat Shift map.

The flat shift allows you to release the clutch without releasing the accelerator, but to do this it is necessary to activate a mapping with a limiter low enough to guarantee gear engagement.

This can be achieved with a normally closed button, which opens when the clutch is pressed.

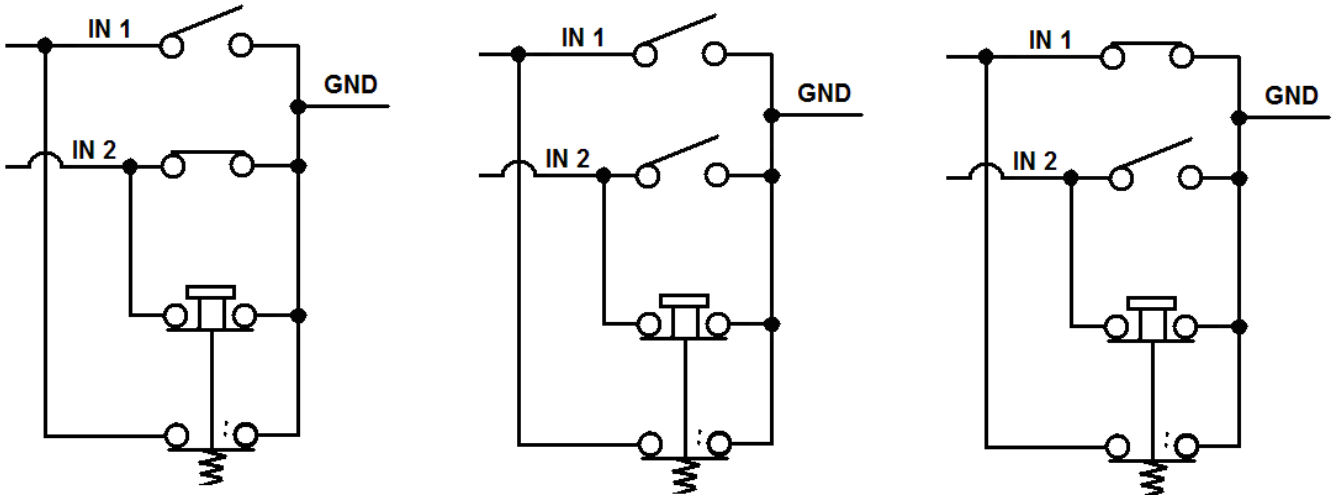


Fig.4 configuration for Flat Shift, with button in parallel

Following the diagram above, add a NC button in parallel to the IN1 and IN2 inputs, then follow the same instructions for Launch control.

Flat shift e Launch control con relay

In cases where switching cannot be achieved via buttons, the same can occur via relay (See Fig. 5).

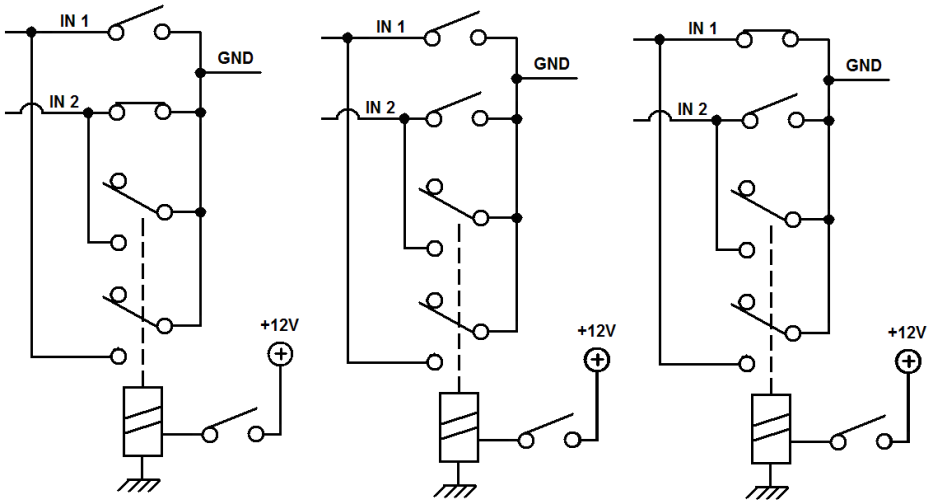
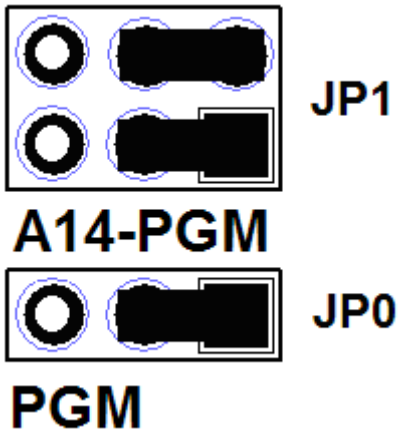


Fig.5 possible configuration with Relay

CONFIGURAZIONE JUMPER			
MAPS	**EPROM INPUT**	**EPROM OUTPUT**	**Conf.**
4/8	27C128	27C010	
4	27C256	27C010	

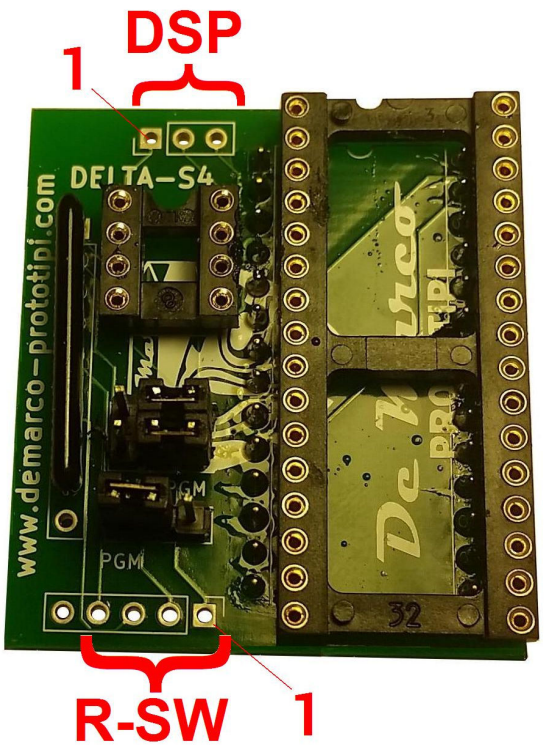


Fig.6 Connections

Pin Out

N°	Description
DSP PIN (LED or 7 Segment display)	
1	D0 (Square shape)
2	D1
3	D2
R-SW	
1	Vss (Square shape)
2	D0
3	D1
4	D2