

Timed Drag Racer

Introduction: The Timed Motor Drag Racer is an educational modules designed to help children understand the fundamentals of electronic and mechanical design. By pressing a push button, the buggy runs for 5 seconds, providing an engaging and practical learning experience.

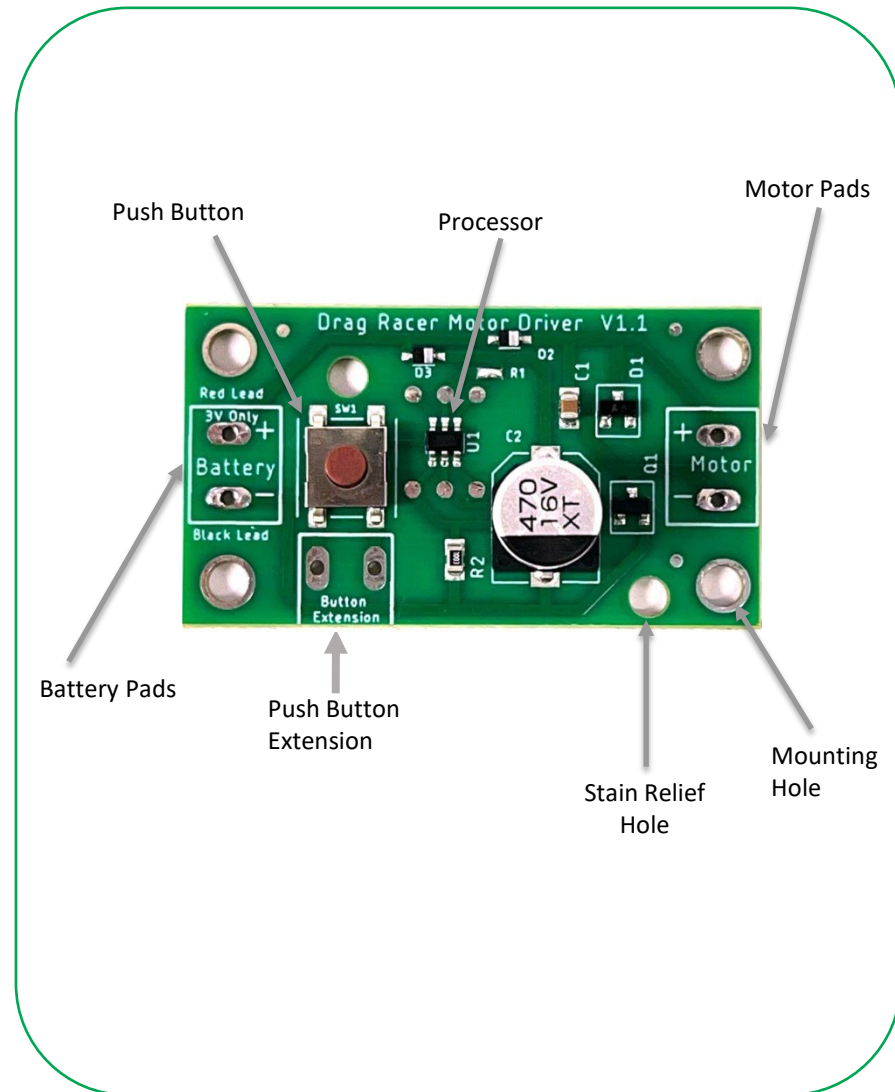
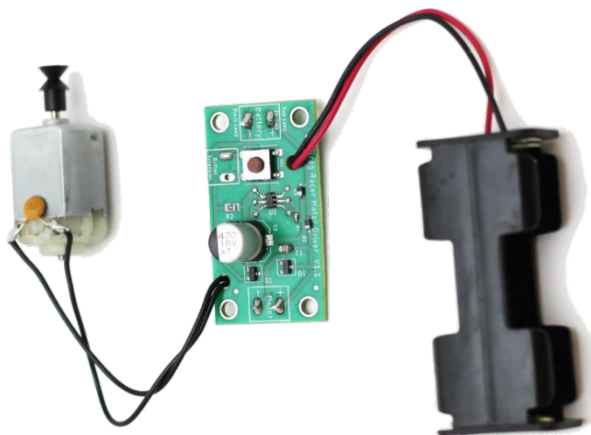
The Timed Motor Driver Module can be found at : <https://kitronik.co.uk/25120>

This innovative product is perfect for classroom racing activities, offering a fun and interactive way for kids to learn while enjoying themselves.

Features:

The Timed Drag Racer features a push button with the extension pad which can be used to connect the external push button if needed.

Solder the motor and battery pack included in the kit to the corresponding pads as shown below



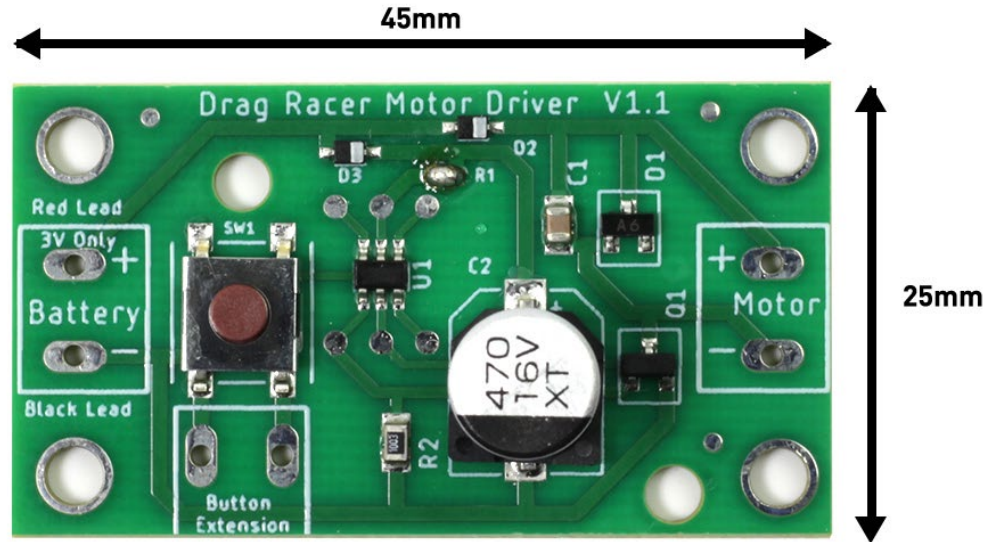
Electrical Information

Processor	PMS150C
Operating voltage	2.5 - 3.0V
Typical Current Draw	220mA (when motor ON)
Typical battery life	Approx 2000-times button press
Quiescent current	1.1 μ A (>10 years standby)
Battery types	Alkaline/ NimH/ NiCad/ ZnCl2
Number of batteries	2
Size of the battery	AA

Mechanical Information

Number of soldering pads	6
Button Extension pads	2
Battery pads	2
Motor pads	2
Number of stain relief holes	2 (1- for Battery Wires, 1- for Motor)
Number of mounting holes	4
PCB Length	45mm
PCB Width	25mm
Size of stain relief holes	2.75 mm
Size of mounting holes	M3 (3.3mm)

Dimensions



(Dimensions +/- 0.8mm)