



## 2 x 2S LiPo Wiring Harness

Connectors: (Molex 2mm pin space)

- C1: battery #1 (2 pole, pin1 neg)
- C2: battery #2 (3 pole, pin1 neg, pin2 blank)
- C3: charge #1 (4 pole, pin1 neg, pin2 blank)
- C4: charge #2 (5 pole, pin1 neg, pin2/pin3 blank)
- C5: receiver power (3 pole, pin1 neg, pin2 LED2, pin3 pos)
- C6: motor (2 pole non polarised)
- C7: charge socket (5 pole, pin1 neg, pin5 pos)

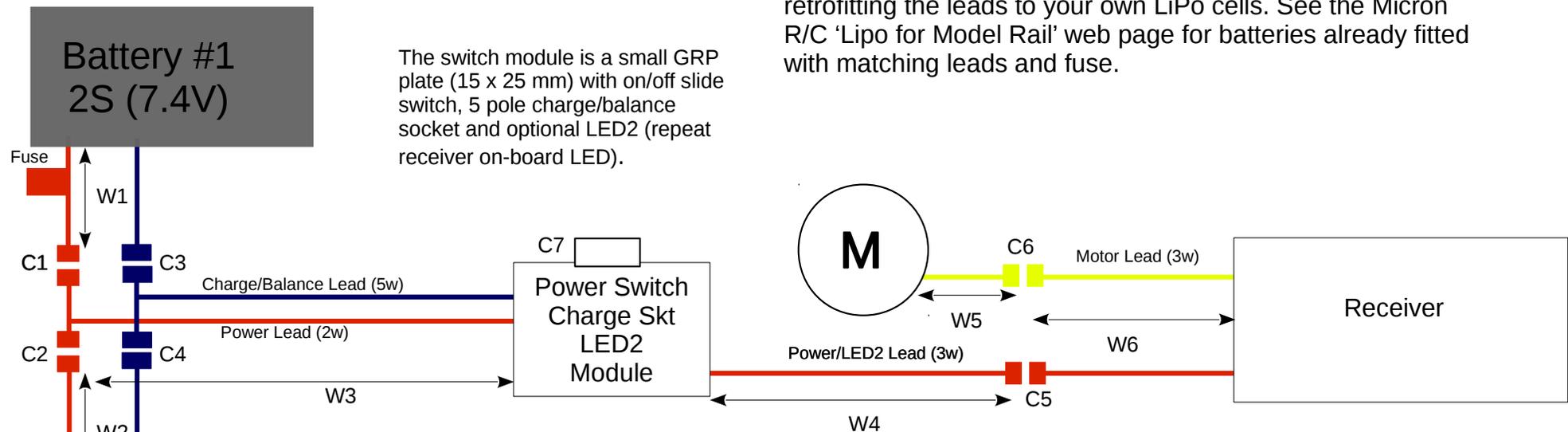
Wire Lengths:

- W1: battery #1 to battery power and charge connectors (C1, C3)
- W2: battery #2 to battery power and charge connectors (C2, C4)
- W3: battery leads (2 way power and 5 way charge) to switch module
- W4: switch module to C5
- W5: motor to motor connector (C6)
- W6: power/motor connectors to receiver

To use this diagram:

- determine the mounting locations for batteries, switch module and receiver
- measure the required interconnecting wire lengths, placing the connectors where they can be accessed and convenient for disassembling the model
- provide a list of wire lengths (W1 to W6) to Micron who will then manufacture the wiring harness.

Wire W1 is part of the battery; it is supplied only if you are retrofitting the leads to your own LiPo cells. See the Micron R/C 'Lipo for Model Rail' web page for batteries already fitted with matching leads and fuse.



The switch module is a small GRP plate (15 x 25 mm) with on/off slide switch, 5 pole charge/balance socket and optional LED2 (repeat receiver on-board LED).

LiPo batteries supplied by Micron for R/C model rail are fitted with a resettable fuse, either internally or in the positive lead close to the battery body. If you obtain your LiPo elsewhere, suitable fuses for fitting into the positive lead are available on the Micron R/C 'fuses' web page.

Molex 2mm pitch connectors are used throughout. These were chosen for the small size and good current handling. The LiPo connectors are 2, 3, 4 and 5 pin so that it is not possible to inadvertently make a connection error. The charge/balance socket on the switch plate is a 5 pin. A 250mm Molex to JST-XH charge adapter lead is available separately.