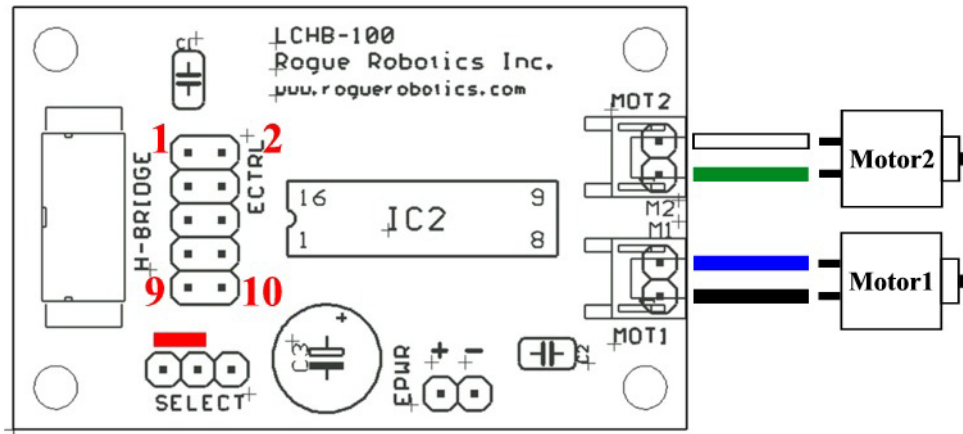




## Low Cost H-Bridge Instruction Manual

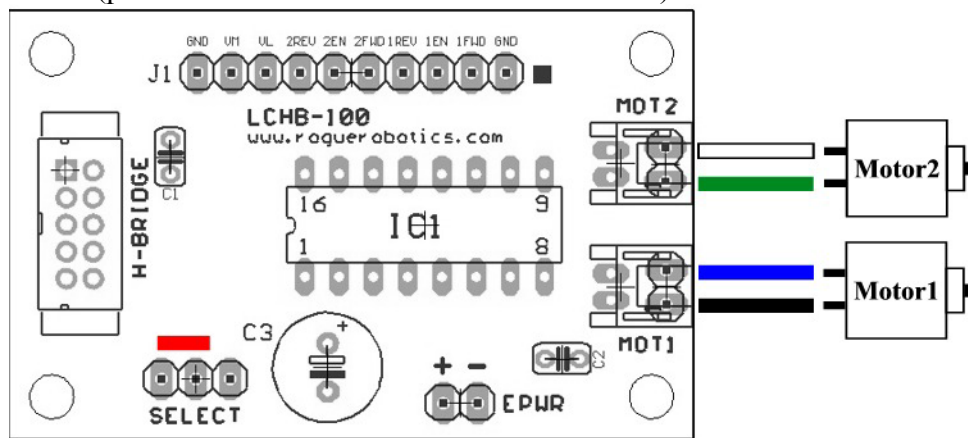
Revision: B2



*Inputs (at “ECTRL” connector):*

Pin	Description	Pin	Description
1	VDD	2	V+ (High Current)
3	MOT1-ENABLE (1-2EN)	4	MOT2-ENABLE (3-4EN)
5	MOT1-DIRA (1A)	6	MOT2-DIRB (4A)
7	MOT1-DIRB (2A)	8	MOT2-DIRA (3A)
9	GND	10	GND

Revision: B3 (pin connections are on the board silkscreen)



The EPWR connector can be used as a secondary power source for V+. If it is used, the SELECT jumper should be moved to the position closing the two pins closest to C3.

When connecting the wires from the LCHB to the motors on the Rogue ATR:

White wire connects to TOP terminal on LEFT motor.

Green wire connects to BOTTOM terminal on LEFT motor.

Blue wire connects to BOTTOM terminal on RIGHT motor.

Black wire connects to TOP terminal on RIGHT motor.

**Please see the documentation on the SN754410 Quadruple Half-H Driver for more information (<http://www.roguerobotics.com/products/motorcontrol/SN754410.pdf>).**