Serial Controlled Motor Driver
A driver for controlling 2 (or more) DC motors.

PSoc I/O

Serial Ports

H-Bridge Driver

3.3V Regulator
Open JP5 to disconnect 3.3V regulated supply. In this configuration, a regulated voltage must be attached to the VCC pin, and must be in the range of 2.0 to 5.5V.

PSoc Power and Filtering

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Date: 6/22/2017 12:39 PM
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Config Jumpers
The default (all open) is the UART mode. A ‘1’ indicates the jumper is bridged.

0000: UART
0001: SPI
0010: Slave device
(User port unused)
0011: I2C addr 0x58
0100: I2C addr 0x59
0101: I2C addr 0x68
0110: I2C addr 0x58
... 1100: I2C addr 0x61
1101: I2C addr 0x62
1110: I2C addr 0x63
1111: Reserved

Designed and documented by Sparkfun.