INFO SHEET

EXTMOD: I2C MOTOR DRIVER(V2)

DEFAULT DEVICE ADDRESS: (A1 :OPEN, A0: OPEN) - 0XC8 (WRITE); 0XC9 (READ)

A1 PIN	A0 PIN	A3..A0 BITS (as below)	ADDRESS (WRITE)	ADDRESS (READ)
0	0	0000	0xC0h	0xC1h
0	open	0001	0xC2h	0xC3h
0	1	0010	0xC4h	0xC5h
open	0	0011	0xC6h	0xC7h
open	open	0100	0xC8h	0xC9h
open	1	0101	0xCAh	0xCBh
1	0	0110	0xCCh	0xCDh
1	open	0111	0xCEh	0xCFh
1	1	1000	0xD0h	0xD1h

*PLEASE REFER TO PAGE 12 OF DRV8830 DATASHEET FOR FULL DETAILS

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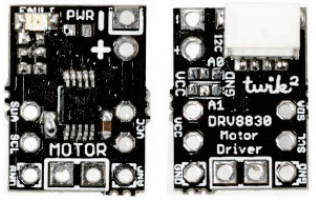
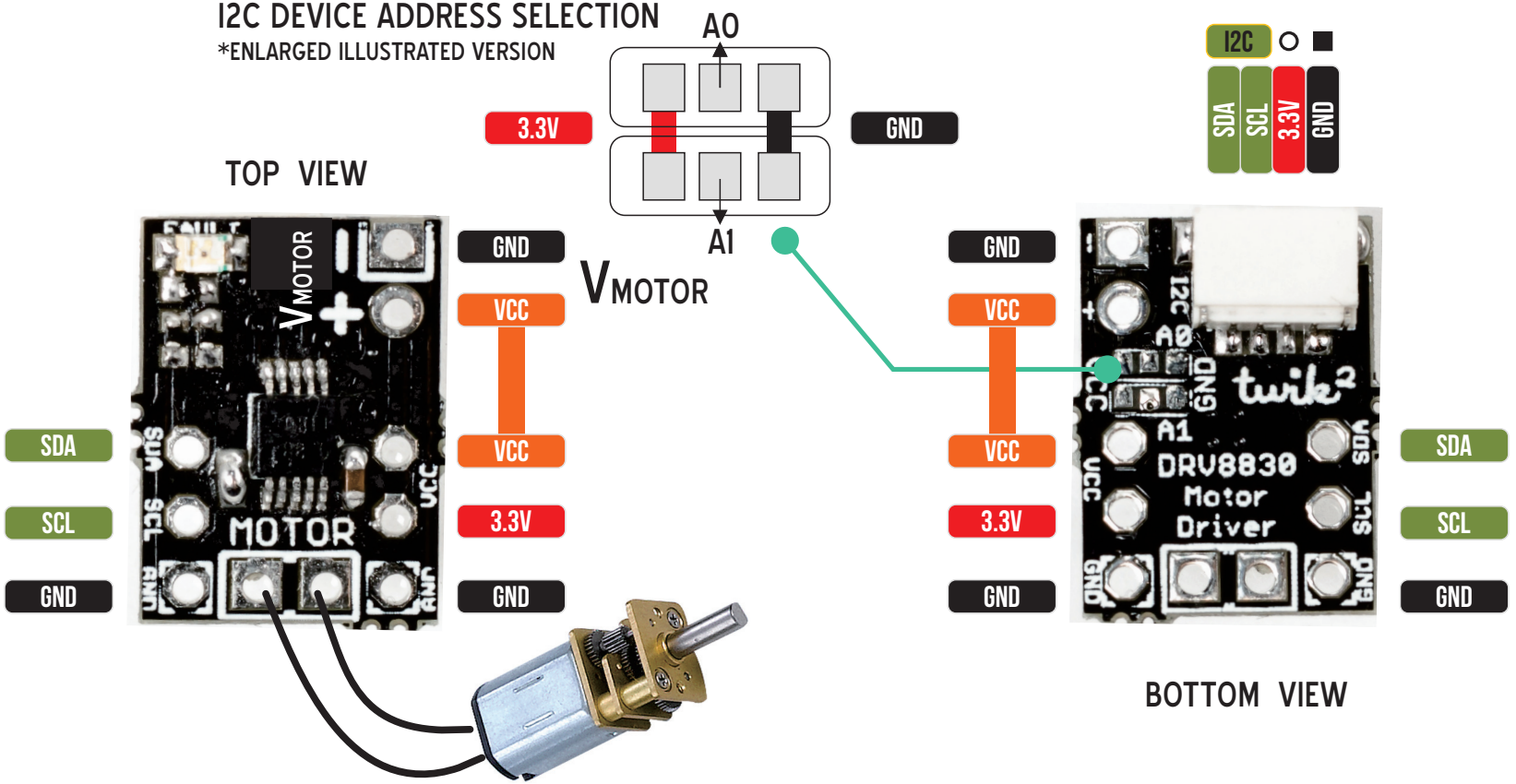
extMOD
i2c Motor Driver

DRV8830



I2C DEVICE ADDRESS SELECTION

*ENLARGED ILLUSTRATED VERSION



[v1]
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INFO SHEET

STACKING METHOD

FOR MULTIPLE MOTOR CONTROL

*PLEASE MAKE SURE TO SET INDIVIDUAL DEVICE ADDRESS BY SOLDERING THE JUMPERS AT THE BACK BEFORE STACKING THEM UP LIKE SO.

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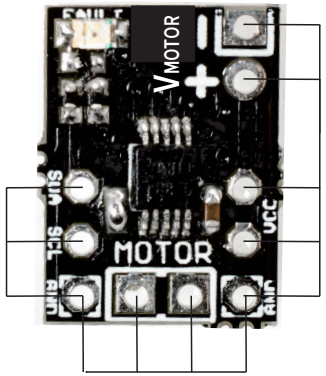
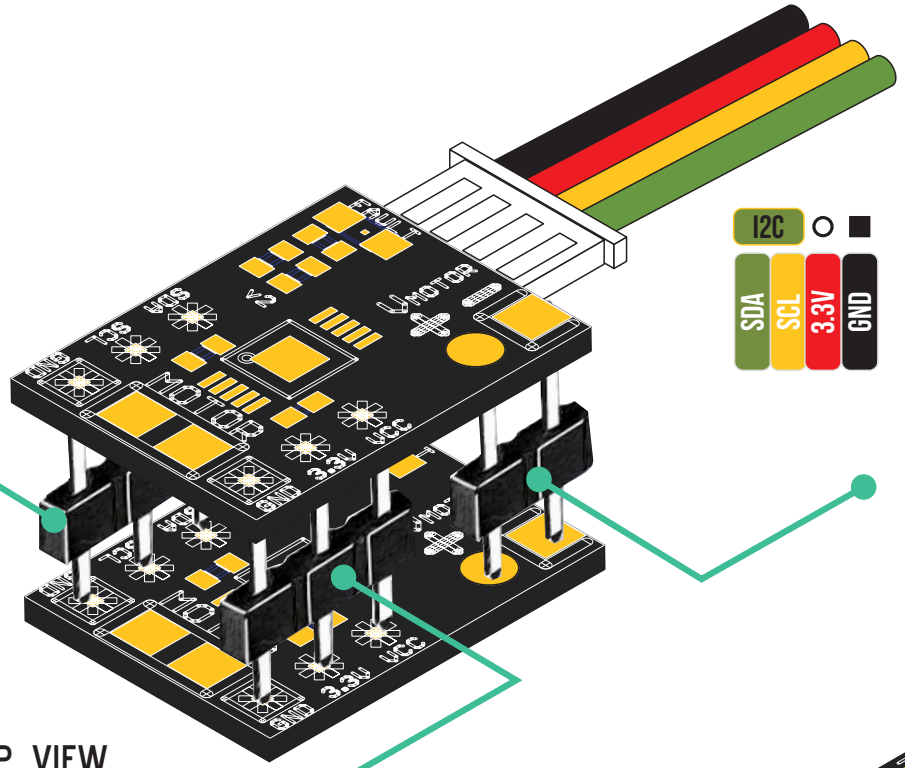


Pitch: 2.54mm (0.1")

TOP VIEW



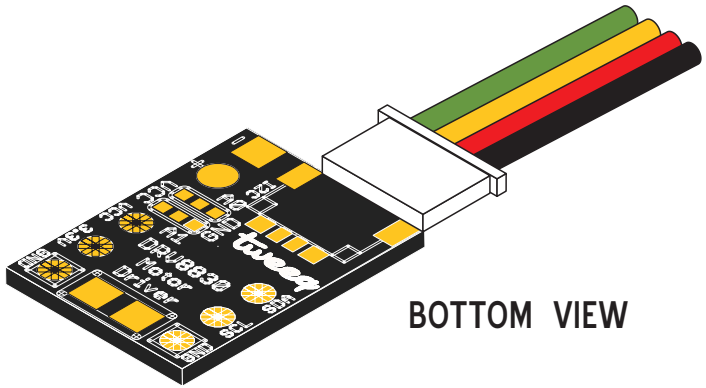
PIN HEADER FOR
I2C LINES

PIN HEADER FOR
VOLTAGE USED FOR MOTORS
(EG. > 3.3V)

PIN HEADERS ARE USED TO STACK THE DRIVER BOARDS TOGETHER, WHILE A SINGLE JST SH1.0 4WAY CABLE IS ALL THAT IS REQUIRED TO CONNECT THE DRIVER BOARDS TO THE TWEEQ MICROCONTROLLER FOR I2C CONTROL.

TOP VIEW

PIN HEADER FOR
POWER LINES



BOTTOM VIEW

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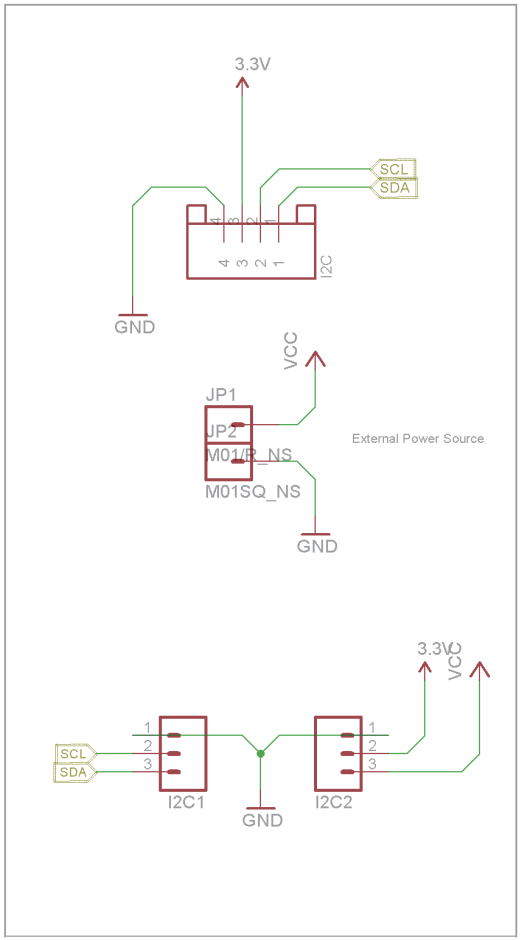
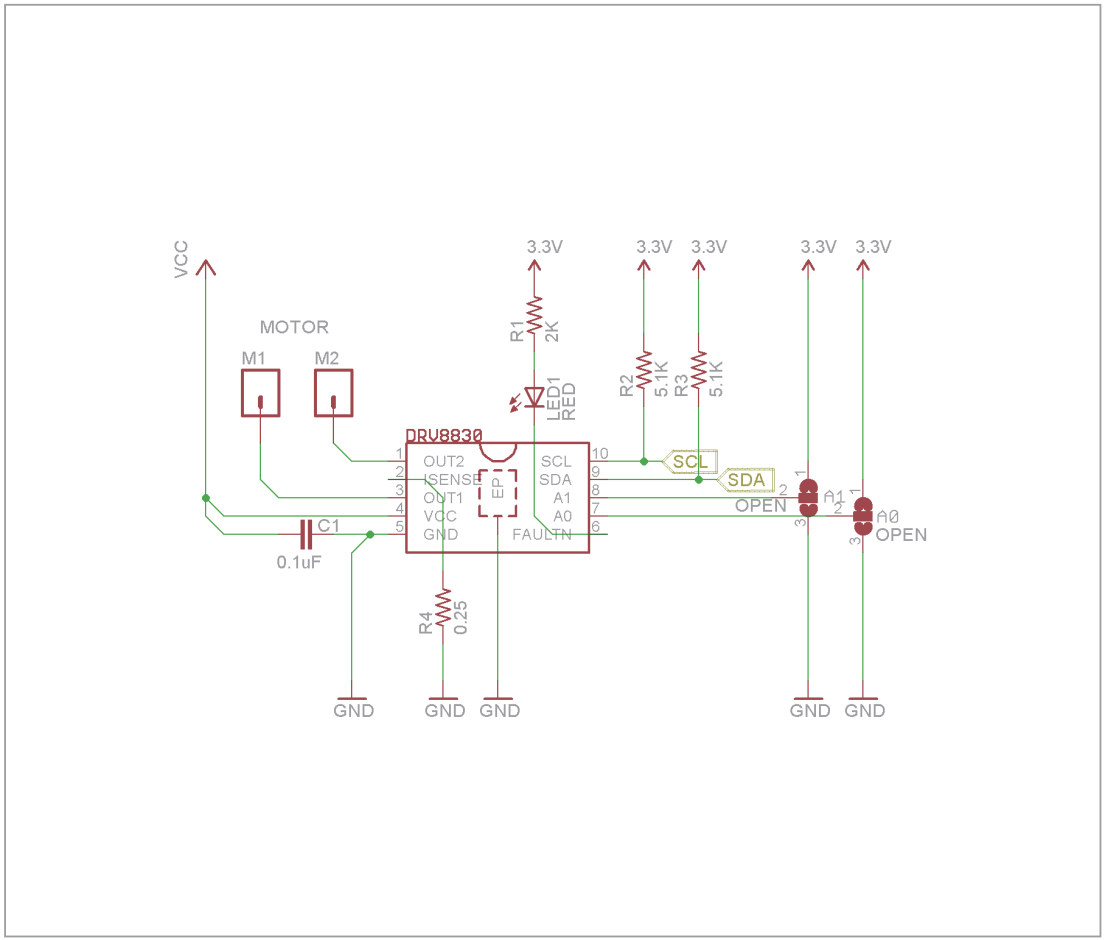
SCHEMATICS

EXTMOD: I2C MOTOR DRIVER(V2)





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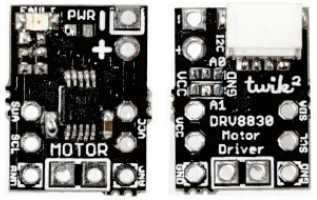
DRV8830



[v1]
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