

Pin-to-pin comparison diagram for the 9B16 module. The diagram shows two columns of pins, each with a list of functions. The left column is labeled '9B16' and the right column is labeled '9B16'. The functions are listed in two columns, with some functions having multiple pin numbers. The diagram shows the mapping of functions between the two modules.

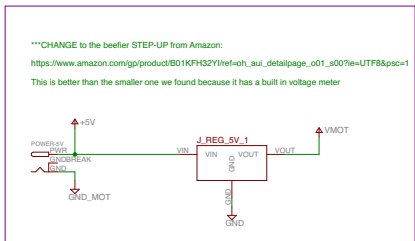
Pin	Function	Pin	Function
1	3V3	1	3V3
2	GND	2	GND
3	0V5	3	0V5
4	17X1MMS01/T	4	17X1MMS01/T
5	2PWMM	5	2PWMM
6	3PWMSGL2CAN0TX	6	3PWMSGL2CAN0TX
7	4PWMSD2CAN0RX	7	4PWMSD2CAN0RX
8	5PWMA1TX1XALT-MMS01	8	5PWMA1TX1XALT-MMS01
9	6PWMM	9	6PWMM
10	7PWMM3SGL2SGLALT-MOS0	10	7PWMM3SGL2SGLALT-MOS0
11	8PWMTX1SGL2SGLALT-MMS00	11	8PWMTX1SGL2SGLALT-MMS00
12	9PWMM3CS0-1	12	9PWMM3CS0-1
13	10PWMTX2CS0-0	13	10PWMTX2CS0-0
14	11MMS00	14	11MMS00
15	12MMS00	15	12MMS00
16	13LEDALT-PWMS0G	16	13LEDALT-PWMS0G
17	14PWPMWALT-S0G	17	14PWPMWALT-S0G
18	15A1I2S0-6T	18	15A1I2S0-6T
19	16A2PWMTALT-TSCL	19	16A2PWMTALT-TSCL
20	17A3PWMTALT-TS0A0	20	17A3PWMTALT-TS0A0
21	18A4PWMTS0A0	21	18A4PWMTS0A0
22	19A5PWMTSCL	22	19A5PWMTSCL
23	20A6PWMTSCL2-S0K1	23	20A6PWMTSCL2-S0K1
24	21A7PWMTSGL2SGL-MOSALT-FX1	24	21A7PWMTSGL2SGL-MOSALT-FX1
25	22A8PWMT	25	22A8PWMT
26	23A9PWMT	26	23A9PWMT
27	24A10PWMT	27	24A10PWMT
28	25A11PWMT	28	25A11PWMT
29	26A12PWMT	29	26A12PWMT
30	27A13PWMT	30	27A13PWMT
31	28A14PWMT	31	28A14PWMT
32	29A15PWMT	32	29A15PWMT
33	30A16PWMT	33	30A16PWMT
34	31A17PWMT	34	31A17PWMT
35	32A18PWMT	35	32A18PWMT
36	33A19PWMT	36	33A19PWMT
37	34A20PWMT	37	34A20PWMT
38	35A21PWMT	38	35A21PWMT
39	36A22PWMT	39	36A22PWMT
40	37A23PWMT	40	37A23PWMT
41	38A24PWMT	41	38A24PWMT
42	39A25PWMT	42	39A25PWMT
43	40A26PWMT	43	40A26PWMT
44	41A27PWMT	44	41A27PWMT
45	42A28PWMT	45	42A28PWMT
46	43A29PWMT	46	43A29PWMT
47	44A30PWMT	47	44A30PWMT
48	45A31PWMT	48	45A31PWMT
49	46A32PWMT	49	46A32PWMT
50	47A33PWMT	50	47A33PWMT
51	48A34PWMT	51	48A34PWMT
52	49A35PWMT	52	49A35PWMT
53	50A36PWMT	53	50A36PWMT
54	51A37PWMT	54	51A37PWMT
55	52A38PWMT	55	52A38PWMT
56	53A39PWMT	56	53A39PWMT
57	54A40PWMT	57	54A40PWMT
58	55A41PWMT	58	55A41PWMT
59	56A42PWMT	59	56A42PWMT
60	57A43PWMT	60	57A43PWMT
61	58A44PWMT	61	58A44PWMT
62	59A45PWMT	62	59A45PWMT
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66	63A49PWMT	66	63A49PWMT
67	64A50PWMT	67	64A50PWMT
68	65A51PWMT	68	65A51PWMT
69	66A52PWMT	69	66A52PWMT
70	67A53PWMT	70	67A53PWMT
71	68A54PWMT	71	68A54PWMT
72	69A55PWMT	72	69A55PWMT
73	70A56PWMT	73	70A56PWMT
74	71A57PWMT	74	71A57PWMT
75	72A58PWMT	75	72A58PWMT
76	73A59PWMT	76	73A59PWMT
77	74A60PWMT	77	74A60PWMT
78	75A61PWMT	78	75A61PWMT

***CHANGE to the beffier STEP-UP from Amazon:

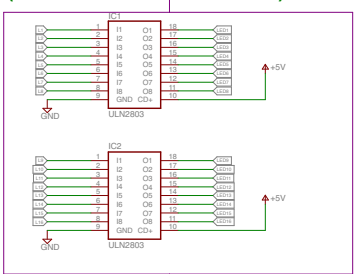
https://www.amazon.com/gp/product/B01KFH32YH/ref=oh_aui_detailpage_c01_s00?ie=UTF8&psc=1

This is better than the smaller one we found because it has a built in voltage meter

The diagram shows a 5V voltage regulator module. It has a green PCB with a red voltage meter at the top. The meter has a red '+' sign and a green '5V' label. The module has four pins: VIN (green), VOUT (green), GND (green), and VMOT (green). The VIN pin is connected to a red wire labeled 'POWER5V 5V2A'. The VOUT pin is connected to a green wire labeled '5V'. The GND pin is connected to a green wire labeled 'GND_MOT'. The VMOT pin is connected to a green wire labeled '5V'. The module is labeled 'J REG_5V_1'.



The diagram illustrates the connection of two ULN2803 ICs, IC1 and IC2, to a 5V supply and ground. Each IC has 8 inputs (I1-I8) and 8 outputs (O1-O8). IC1 inputs are connected to I1-I8, and IC2 inputs are connected to I1-I8. Both ICs have their GND pins connected to ground and their CD+ pins connected to the 5V supply.

[illegible]