



sbRIO 8-ch stepper motor module user manual

WPC Systems Ltd.

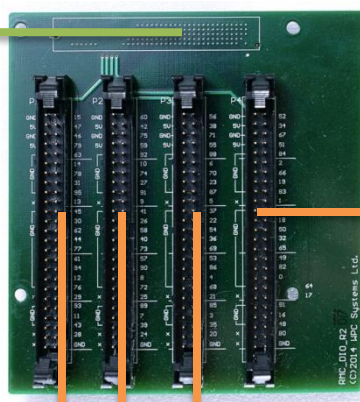
Justin Wu

2016-06-30

sbRIO 9606



RMC breakout



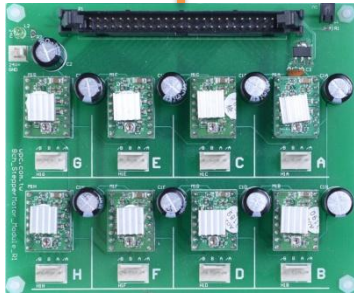
C1

C2

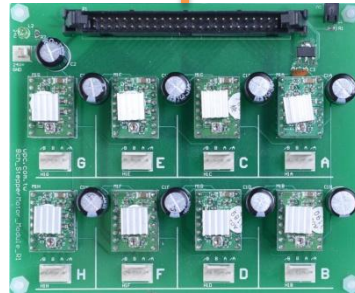
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C4

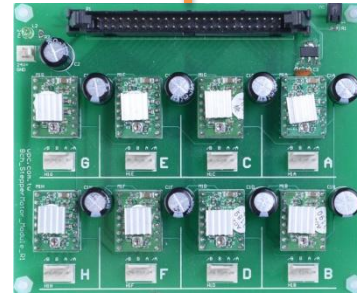
WPC-8-SM-01



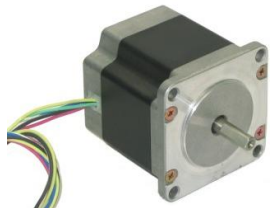
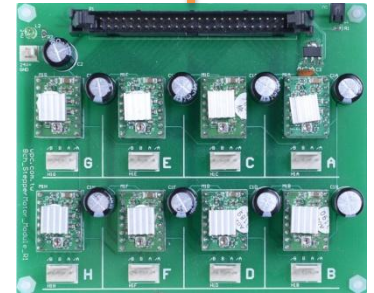
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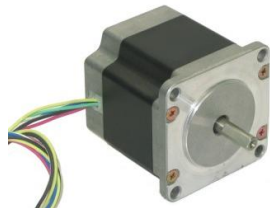
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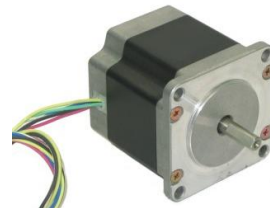
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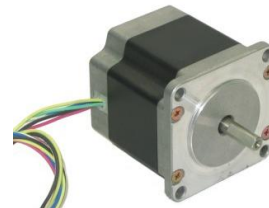
X 8



X 8

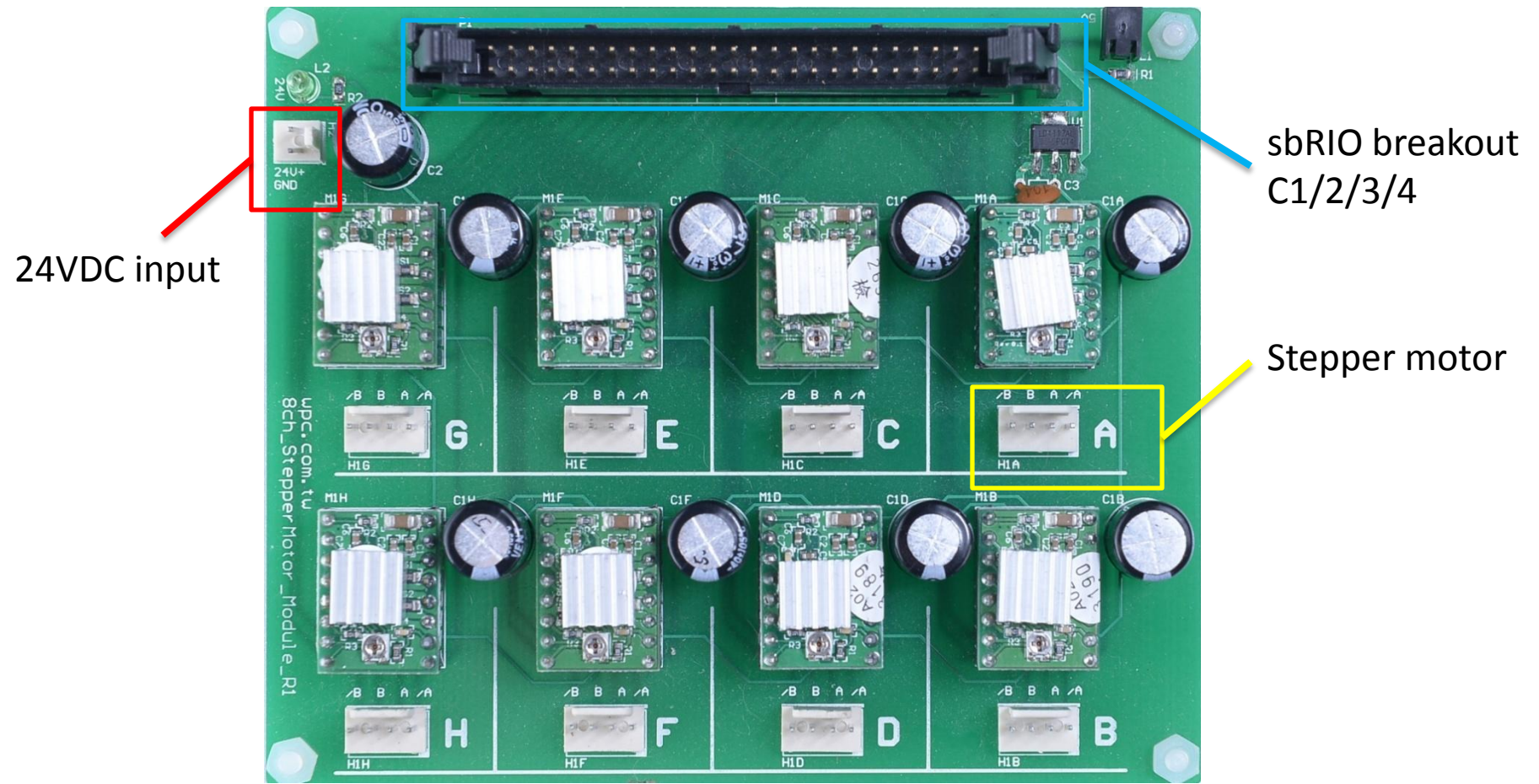


X 8



X 8

WPC-8-SM-01



Pin description

8-step motor				
	FUNC	PIN#		FUNC
	GND	1	2	
H	Dir_H	3	4	
	Step_H	5	6	GND
	ENA_H	7	8	GND
	Dir_G	9	10	GND
G	Step_G	11	12	
	ENA_G	13	14	GND
	Dir_F	15	16	GND
F	Step_F	17	18	GND
	ENA_F	19	20	GND
	Dir_E	21	22	GND
E	Step_E	23	24	GND
	ENA_E	25	26	GND
	Dir_D	27	28	GND
D	Step_D	29	30	GND
	ENA_D	31	32	
	Dir_C	33	34	GND
C	Step_C	35	36	GND
	ENA_C	37	38	GND
	Dir_B	39	40	GND
B	Step_B	41	42	GND
	ENA_B	43	44	5V
	Dir_A	45	46	GND
A	Step_A	47	48	5V
	ENA_A	49	50	GND

GECO-Modules		RMC-Breakout			
8-step motor		C4	C3	C2	C1
H	Dir_H	DIO 80	DIO 20	DIO 24	DIO 28
	Step_H	DIO 48	DIO 35	DIO 39	DIO 43
	ENA_H	DIO 16	DIO 3	DIO 7	DIO 11
G	Dir_G	DIO 81	DIO 85	DIO 89	DIO 93
	Step_G	DIO 17	DIO 21	DIO 25	DIO 29
	ENA_G	DIO 64	DIO 68	DIO 72	DIO 76
F	Dir_F	DIO 0	DIO 4	DIO 8	DIO 12
	Step_F	DIO 82	DIO 86	DIO 90	DIO 94
	ENA_F	DIO 49	DIO 53	DIO 57	DIO 61
E	Dir_E	DIO 65	DIO 69	DIO 73	DIO 77
	Step_E	DIO 32	DIO 36	DIO 40	DIO 44
	ENA_E	DIO 50	DIO 54	DIO 58	DIO 62
D	Dir_D	DIO 18	DIO 22	DIO 26	DIO 30
	Step_D	DIO 33	DIO 37	DIO 41	DIO 45
	ENA_D	DIO 1	DIO 5	DIO 9	DIO 13
C	Dir_C	DIO 83	DIO 87	DIO 91	DIO 95
	Step_C	DIO 19	DIO 23	DIO 27	DIO 31
	ENA_C	DIO 66	DIO 70	DIO 74	DIO 78
B	Dir_B	DIO 2	DIO 6	DIO 10	DIO 14
	Step_B	DIO 84	DIO 88	DIO 92	DIO 63
	ENA_B	DIO 51	DIO 55	DIO 59	DIO 79
A	Dir_A	DIO 67	DIO 71	DIO 75	DIO 46
	Step_A	DIO 34	DIO 38	DIO 42	DIO 47
	ENA_A	DIO 52	DIO 56	DIO 60	DIO 15