

## M5A two phases step motor bipolar chopper drive technical data:

- Current per phase range: 4.2 Arms (6Apeak);
- Step angle: Full-step up to 1/128;
- Power supply dc voltage: 24÷60 Vdc;

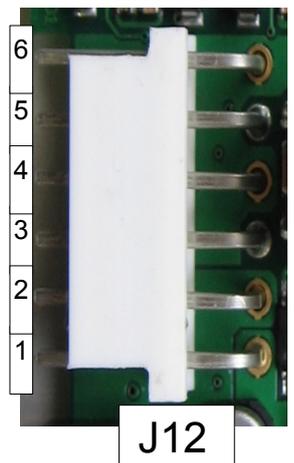
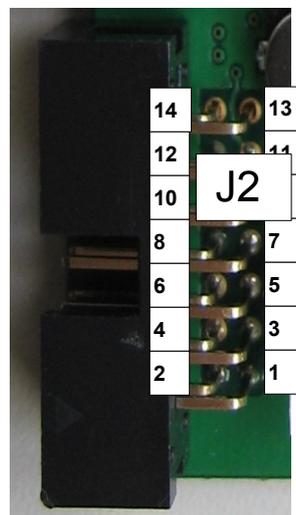
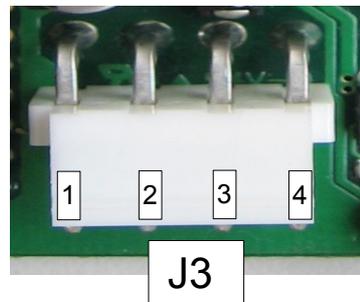
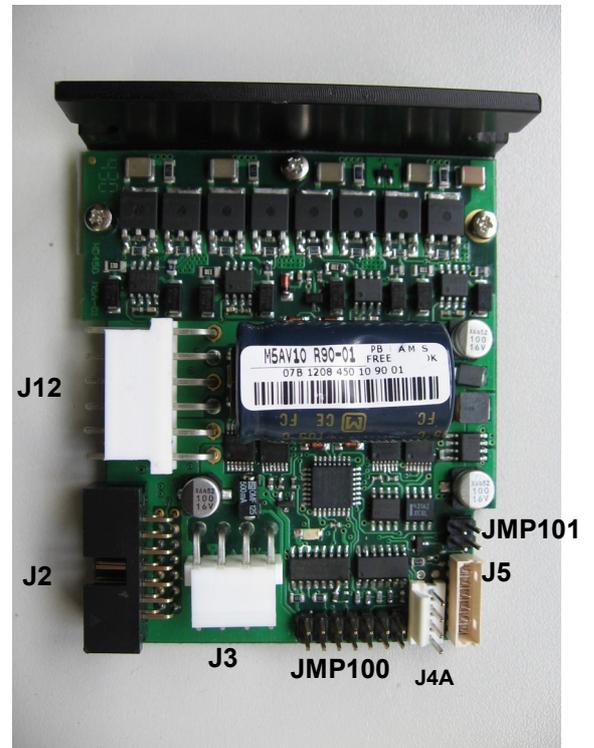
<b>J3 : Stepper Motor (PCB rev. M5A-01)</b>			
1	A	OUT	Motor Output Phase A
2	A/	OUT	Motor Output Phase A/
3	B	OUT	Motor Output Phase B
4	B/	OUT	Motor Output Phase B/

<b>J3 : Stepper Motor (PCB rev. M5A-02)</b>			
1	B/	OUT	Motor Output Phase B/
2	B	OUT	Motor Output Phase B
3	A/	OUT	Motor Output Phase A/
4	A	OUT	Motor Output Phase A

<b>J12 : Supply</b>			
1	VCC5V	IN	+5Vdc supply for logic
2	GND	IN	Negative terminal of logic supply
3	n.c.	--	--
4	GND	IN	Negative terminal of logic supply
5	VMOT	IN	Positive terminal of power supply
6	GND	IN	Negative terminal of logic supply

<b>J2 : Input/I2Cbus</b>			
1	IN0/CLK	IN	5Vdc NPN, Digital input
2	--	IN	--
3	IN1/DIR	IN	5Vdc NPN, Digital input
4	IN2	IN	5Vdc NPN, Digital input
5	--	IN	--
6	--	IN	--
7	--	IN	--
8	--	IN	--
9	SCL		bus terminal
10	SDA		bus terminal
11	RESET/	IN	Reset drive
12	--		--
13	GND	IN	Negative terminal supply
14	GND	IN	Negative terminal supply

<b>J5 : RS485</b>			
1	+5V	OUT	Aux Supply
2	+Rx	IN	Positive terminal Receiver
3	-Rx	IN	Negative terminal Receiver
4	GND	OUT	Ref. Aux supply
5	+Tx	OUT	Positive terminal Transmitter
6	-Tx	OUT	Negative terminal Transmitter



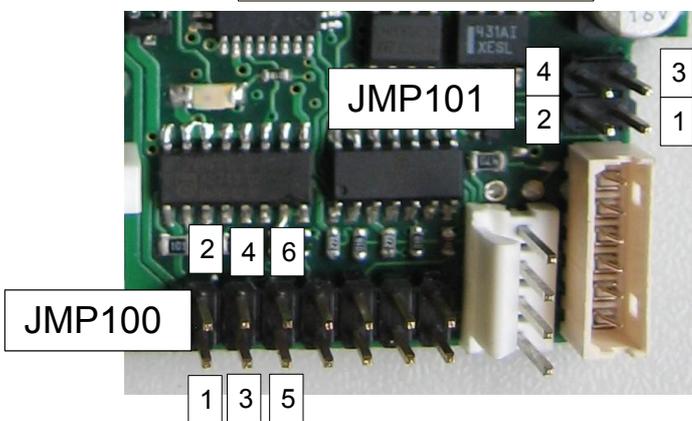
**JMP100 and JMP101 : Node ID selection**

Address (Dec)	JMP101		JMP100		
	1-2	3-4	5-6	3-4	1-2
Reserved	Open	Open	Open	Open	Open
1	Open	Open	Open	Open	Closed
2	Open	Open	Open	Closed	Open
3	Open	Open	Open	Closed	Closed
4	Open	Open	Closed	Open	Open
5	Open	Open	Closed	Open	Closed
6	Open	Open	Closed	Closed	Open
7	Open	Open	Closed	Closed	Closed
8	Open	Closed	Open	Open	Open
9	Open	Closed	Open	Open	Closed
10	Open	Closed	Open	Closed	Open
11	Open	Closed	Open	Closed	Closed
12	Open	Closed	Closed	Open	Open
13	Open	Closed	Closed	Open	Closed
14	Open	Closed	Closed	Closed	Open
15	Open	Closed	Closed	Closed	Closed
16	Closed	Open	Open	Open	Open
17	Closed	Open	Open	Open	Closed
18	Closed	Open	Open	Closed	Open
19	Closed	Open	Open	Closed	Closed
20	Closed	Open	Closed	Open	Open
21	Closed	Open	Closed	Open	Closed
22	Closed	Open	Closed	Closed	Open
23	Closed	Open	Closed	Closed	Closed
24	Closed	Closed	Open	Open	Open
25	Closed	Closed	Open	Open	Closed
26	Closed	Closed	Open	Closed	Open
27	Closed	Closed	Open	Closed	Closed
28	Closed	Closed	Closed	Open	Open
29	Closed	Closed	Closed	Open	Closed
30	Closed	Closed	Closed	Closed	Open
31	Closed	Closed	Closed	Closed	Closed

**Baud rate**

Baud rate	19200
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PCB rev. M5A-01



PCB rev. M5A-02

