



CON 4	CON 3
In 17(pin1) In 19(pin3) In 21(pin5) In 23(pin7) GND (pin9) Out 16(pin11) Out 18(pin13) Out 20(pin15) Out 22(pin17) Out 24(pin19)	In 18(pin2) In 20(pin4) In 22(pin6) In 24(pin8) Out 15(pin10) Out 17(pin12) Out 19(pin14) Out 21(pin16) Out 23(pin18) GND (pin20)
In 9(pin1) In 11(pin3) In 13(pin5) In 15(pin7) GND (pin9) Out 6(pin11) Out 8(pin13) Out 10(pin15) Out 12(pin17) Out 14(pin19)	In 10(pin2) In 12(pin4) In 14(pin6) In 16(pin8) Out 5(pin10) Out 7(pin12) Out 9(pin14) Out 11(pin16) Out 13(pin18) GND (pin20)

Outputs CON3 and CON4

Electrical diagram	Description
	Open Collector Output - max current 300 mA

Inputs CON3 and CON4

Electrical diagram	Description
	Voltage controlled input - min voltage +5 V DC - max voltage +24 V DC

Outputs CON2

Electrical diagram	Description
	Voltage output: - Low voltage level 0,4V - High voltage level 5V
	Open Collector (OC) output: - Max current 300 mA - Removable resistors (see diagram below)

Make Open Collector (OC) outputs:
cut off selected pins of arrays RN6, RN7

name	pin No.	pin No.	name	
OUT3	(15)	1	OUT4	(17)
OUT1	(1)	2	OUT2	(2)
DIR_X	(3)	3	DIR_A	(6)
PULSE_X	(5)	4	CURRENT	(8)
DIR_Y	(7)	5	PULSE_A	(10)
PULSE_Y	(9)	6	PULSE_X2	(14)
DIR_Z	(11)	7	DIR_B	(16)
PULSE_B	(18)	8	PULSE_Z	(13)
		9		
		10		
		11		
		12		
		13		
		14		
		15		
		16		
		17		
		18		
		19		
		20		
		21		
		22		
		23		
		24		

CON 2
Out 1(pin1) Dir X (pin3) Pul X (pin5) Dir Y (pin7) Pul Y (pin9) Dir Z (pin11) Pul Z (pin13) Out 3(pin15) Out 4(pin17) In 1(pin19) In 2 (pin21) In 3 (pin23) In 4 (pin25)
Out 2(pin2) In 5 (pin4) Dir A (pin6) Current(pin8) Pul A (pin10) In 6 (pin12) Pul X-2 (pin14) Dir B (pin16) Pul B (pin18) In 7 (pin20) In 8 (pin22) GND (pin24) External Vcc +5V DC

Legend:
 ○ - Output
 □ - Input
 ◇ - GND

Inputs CON2

Electrical diagram	Description
	GND controlled input ATTENTION CON2 ONLY !!!

JP1 Settings - POWER

	Power +5V DC from green connector - default
	External +5V DC - from CON2 Pin 26 Attention ! JP1 don't disconnect green connector

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