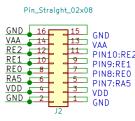# OSIMPLC

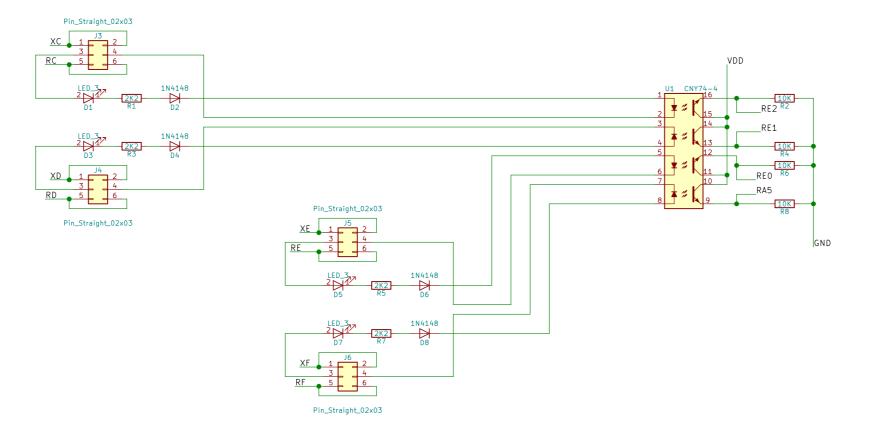## Open Simple Industrial Modular Programmable Logic Controller

4 DIGITAL INPUTS EXPANSION BOARD

PWR_FLAG — VDD
PWR_FLAG — VAA
PWR_FLAG — GND

J1
RC	1	RC
XC	2	XC
RD	3	RD
XD	4	XD
RE	5	RE
XE	6	XE
RF	7	RF
XF	8	XF

Screw_Terminal_01x08

Pin_Straight_02x08

GND	16	15	GND
VAA	14	13	VAA
RE2	12	11	PIN10:RE2
RE1	10	9	PIN9:RE1
RE0	8	7	PIN8:RE0
RA5	6	5	PIN7:RA5
VDD	4	3	VDD
GND	2	1	GND

J2

Pin_Straight_02x03

J3
XC	1	2
RC	3	4
	5	6

LED_3   2K2   1N4148
D1   R1   D2

LED_3   2K2   1N4148
D3   R3   D4

J4
XD	1	2
RD	3	4
	5	6

Pin_Straight_02x03

Pin_Straight_02x03

J5
XE	1	2
RE	3	4
	5	6

LED_3   2K2   1N4148
D5   R5   D6

LED_3   2K2   1N4148
D7   R7   D8

J6
XF	1	2
RF	3	4
	5	6

Pin_Straight_02x03

VDD

U1   CNY74-4

RE2   10K R2
RE1
RE0   10K R4
       10K R6
RA5   10K R8

GND