

ATmega328P Connections

MAX 485 Connections (Driver and Protections)

Output Connector (Input Board – BUS)

Input Protection Circuits (Input Connectors – Atmega 328P)

Input Connectors

File:	Sheet:	Title:	Size:	Date:	Rev:
OpenPLC-Input Board.sch	/	OpenPLC Input Board	User	26 apr 2014	1
KICad E.D.A.					Id: 1/1

ATmega328P Connections

Power LED

Diagram showing the ATmega328P (IC1) connections. Power pins (VCC, AVCC, GND) are connected to a +5V supply and ground. I/O pins (MOSI, MISO, SCK, EN, CPU_RESET, RX, TX, X0-X5) are connected to an ICSP Header Connector (Header - 328P). A Power LED is connected to the +5V supply and ground.

ICSP Header Connector (Header - 328P)

Diagram showing the ICSP Header Connector (Header - 328P) connections. Pins 1-6 are connected to the ICSP Header Connector (Header - 328P). Pins 7-11 are connected to the ICSP Header Connector (Header - 328P).

MAX 485 Connections (Driver and Protections)

Diagram showing the MAX 485 (U9) connections. TX, RX, and EN pins are connected to the MAX 485 (U9). TX and RX are connected to the TX and RX pins of the MAX 485 (U9). EN is connected to the EN pin of the MAX 485 (U9).

Output Connector (Input Board - BUS)

Diagram showing the Output Connector (Input Board - BUS) connections. Pins 1-13 are connected to the Output Connector (Input Board - BUS). Pins 14-25 are connected to the Output Connector (Input Board - BUS).

Input Protection Circuits (Input Connectors - Atmega 328P)

Diagram showing the Input Protection Circuits (Input Connectors - Atmega 328P) connections. Pins 1-13 are connected to the Input Protection Circuits (Input Connectors - Atmega 328P). Pins 14-25 are connected to the Input Protection Circuits (Input Connectors - Atmega 328P).

Input Connectors

Diagram showing the Input Connectors connections. Pins 1-13 are connected to the Input Connectors. Pins 14-25 are connected to the Input Connectors.

Diagram showing the MAX 485 (U9) connections. TX, RX, and EN pins are connected to the MAX 485 (U9). TX and RX are connected to the TX and RX pins of the MAX 485 (U9). EN is connected to the EN pin of the MAX 485 (U9).

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MAX 485 Connections (Driver and Protections)

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Output Connector (Input Board - BUS)

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Input Protection Circuits (Input Connectors - Atmega 328P)

Diagram showing the Input Protection Circuits (Input Connectors - Atmega 328P) connections. Pins 1-13 are connected to the Input Protection Circuits (Input Connectors - Atmega 328P). Pins 14-25 are connected to the Input Protection Circuits (Input Connectors - Atmega 328P).

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