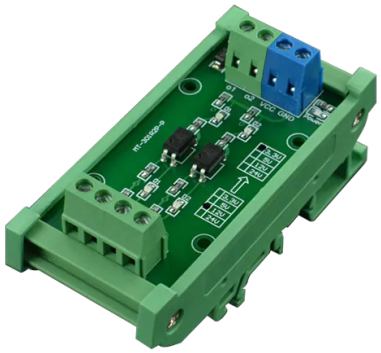
2-Channel Level Converter (12V to 3.3V)

DFR0911

Product Overview
01/12/2023
For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

DFRobot 2-Channel Level Converter (12V to 3.3V) is a level converter module with 2-channel optocoupler isolation. This level converter features common anode/common cathode/ differential signal inputs. The maximum output current for each channel is 50mA. The 2-Channel level shifter translates the signal level from 12V to 3.3V and offers PNP output (NPN to PNP). This level converter comes with 38mm x 72mm x 19mm bare board dimensions and a 3mm screw hole size. Typical applications include signal isolation, PLC signal level conversion, NPN to PNP signal conversion, polarity conversion, and signal level voltage conversion.



Features

- PNP output
- Output signal level (12V to 3.3V)
- Signal photoelectric isolation
- 50mA maximum output current for each channel

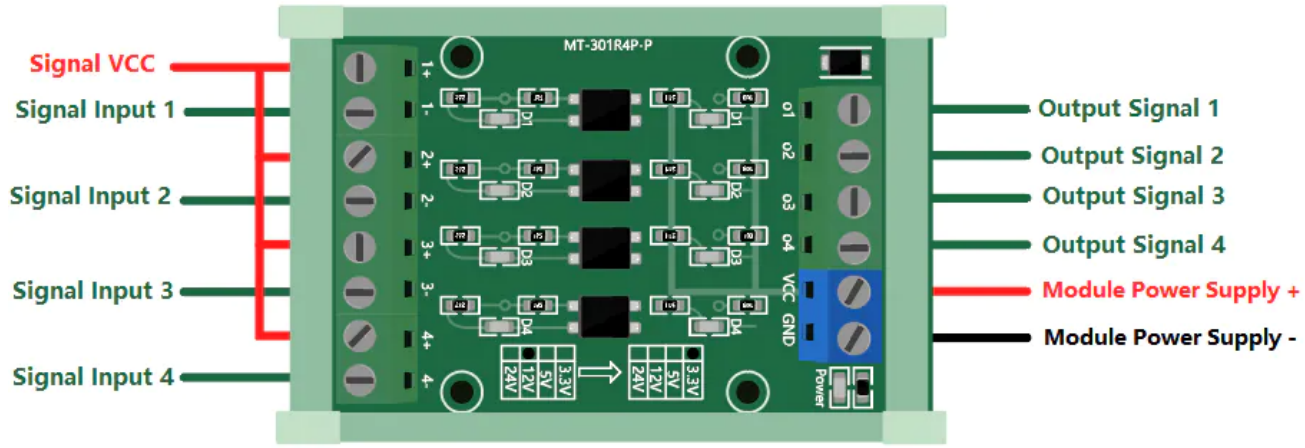
Specifications

- 2-channel optocoupler isolation
- 12V sensor input voltage
- 3.3V module supply voltage
- 12V input signal level
- 3.3V output signal level
- SMD LED indicator
- Installation specification:
  - With shell (Fit on standard rails)
- 38mm x 72mm x 19mm bare board dimensions
- 3mm screw hole size

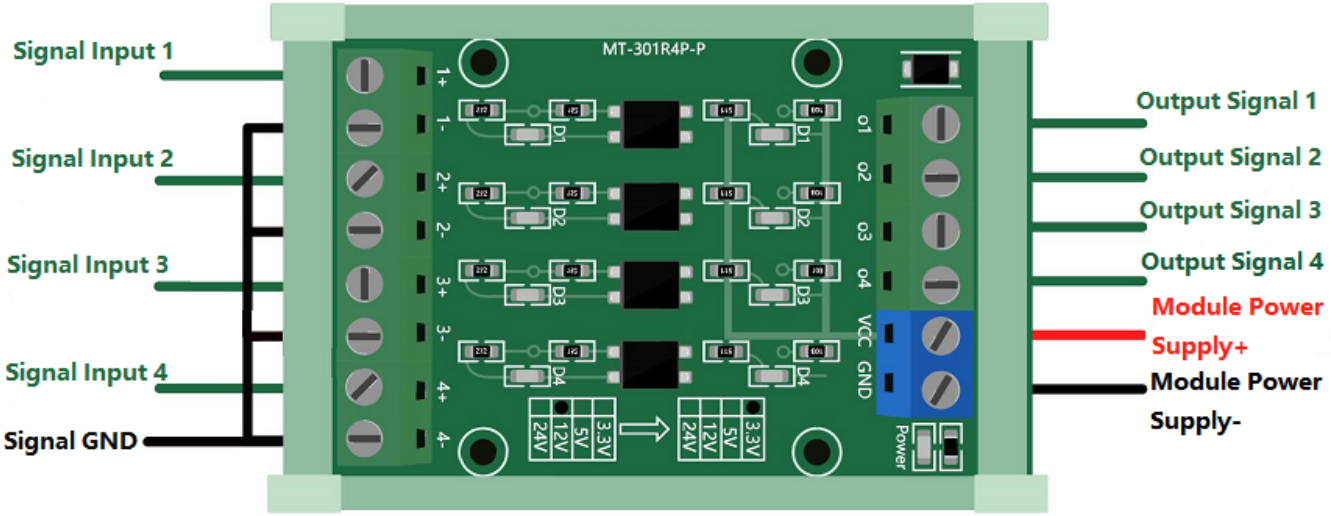
Applications

- PLC signal level conversion
- NPN to PNP signal conversion
- Polarity conversion
- Signal isolation
- Signal level voltage conversion

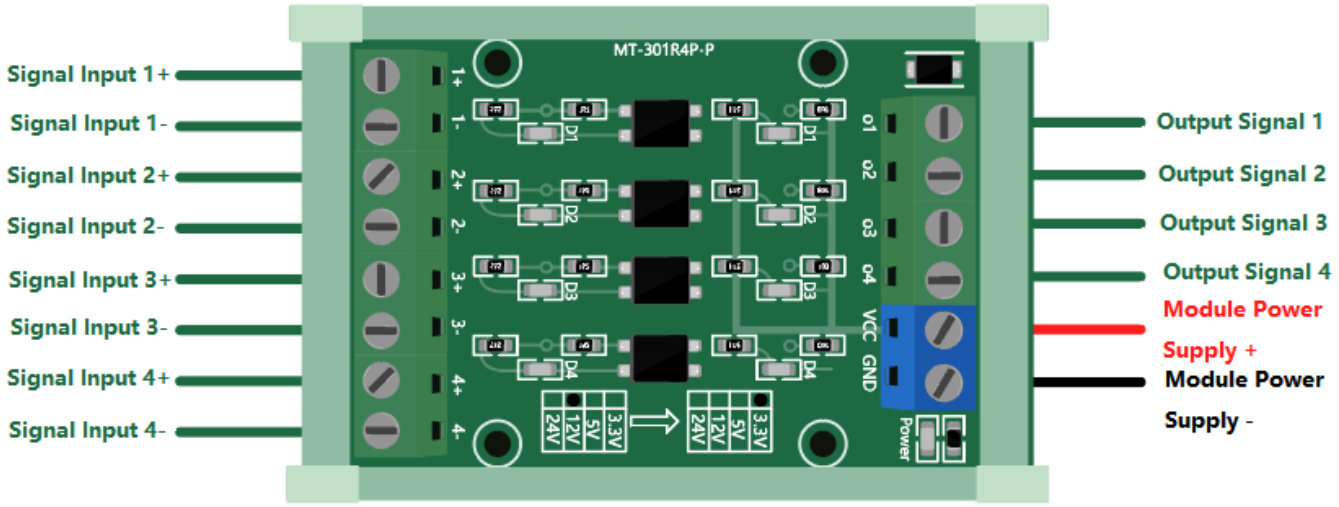
Common Anode Signal Input Diagram



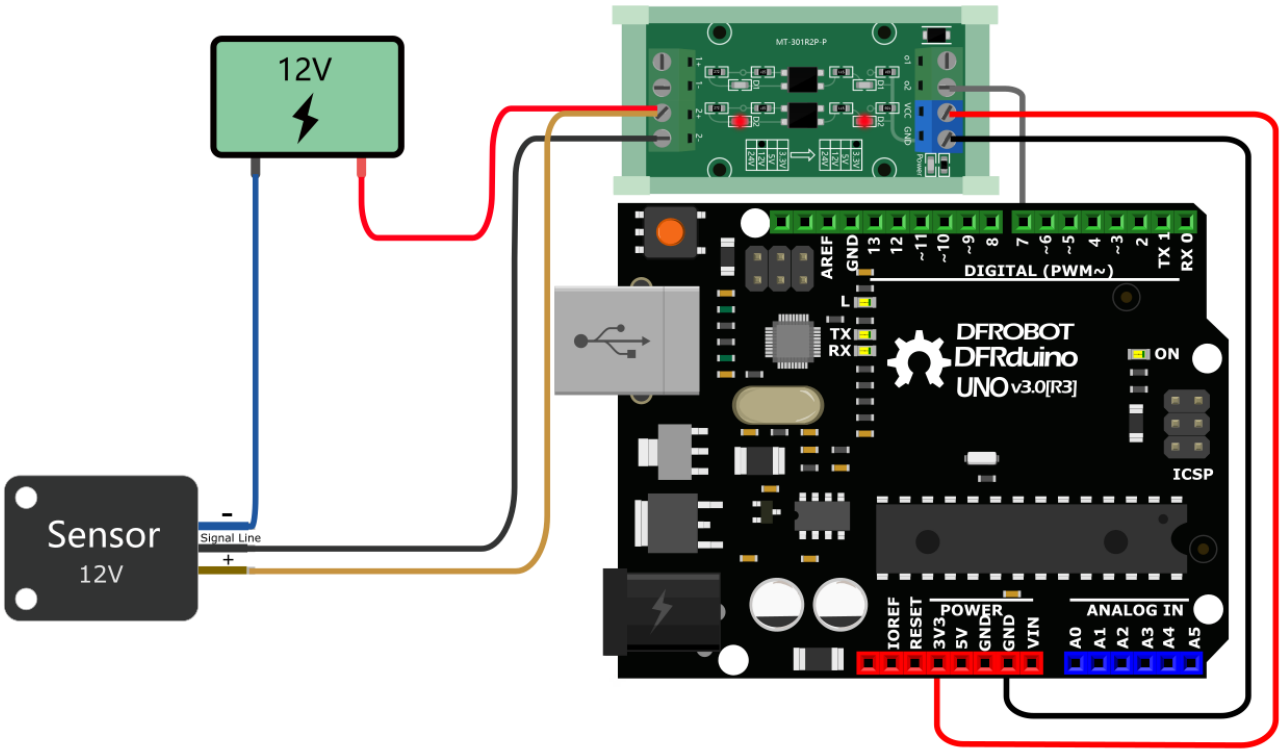
Common Cathode Signal Input Diagram



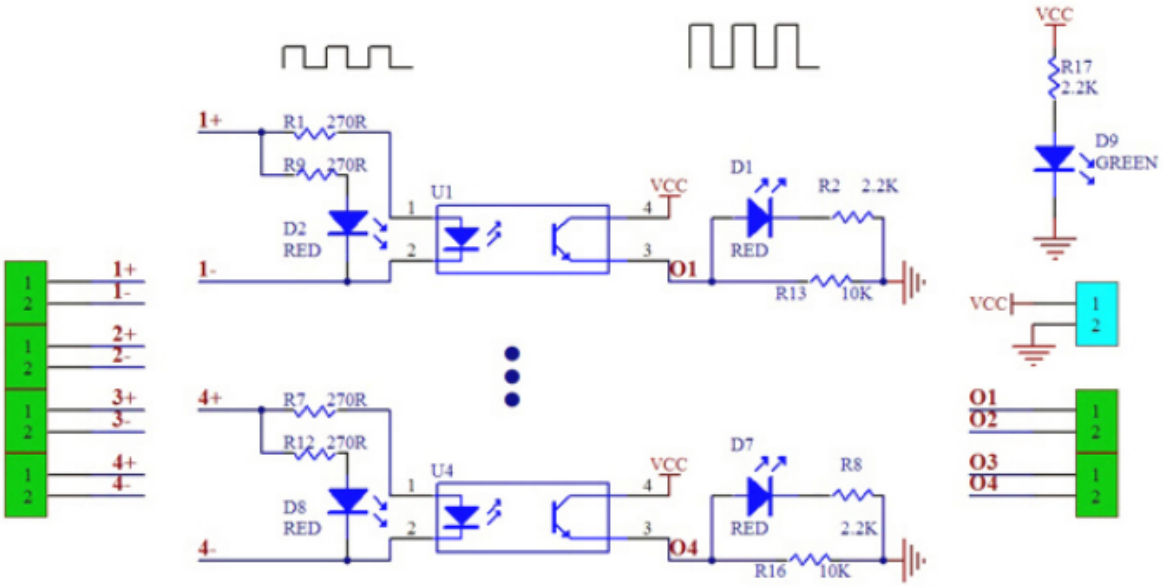
Differential Signal Input Diagram



Connection Diagram



Schematic Diagram



Mouser Part Number

View Part

To learn more, visit https://www.mouser.com/new/dfrobot/dfrobot-2-channel-level-converter/