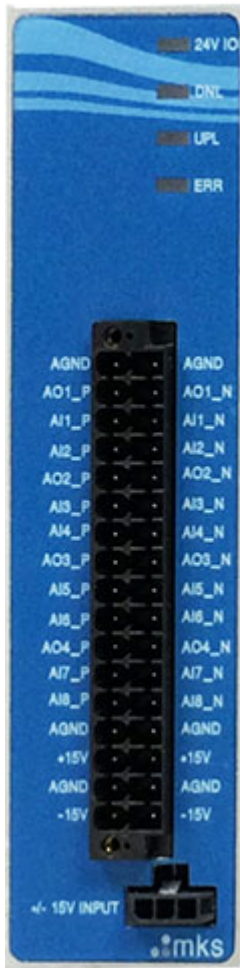


MKS AIO Module Pin-outs



I/O Connector (Pinout signal mapping)

Analog inputs are represented by AI1_P, AI1_N, AI2_P... and Analog outputs are represented by AO1_P, AO1_N, AO2_P...

Voltage Pinout

Pin A1 starts on the top left of the connector shown in the picture, B1 starts at top right.

Pin #	Signal	Pin #	Signal
A1	AGround	B1	AGround
A2	AO1_P	B2	AO1_N
A3	AI1_P	B3	AI1_N
A4	AI2_P	B4	AI2_N
A5	AO2_P	B5	AO2_N
A6	AI3_P	B6	AI3_N
A7	AI4_P	B7	AI4_N
A8	AO3_P	B8	AO3_N
A9	AI5_P	B9	AI5_N

A10	AI6_P	B10	AI6_N
A11	AO4_P	B11	AO4_N
A12	AI7_P	B12	AI7_N
A13	AI8_P	B13	AI8_N
A14	AGround	B14	AGround
A15	+15V	B15	+15V
A16	AGround	B16	AGround
A17	-15V	B17	-15V

Current pinout

Same pinout as above except for AO1_N, AO2_N, AO3_N and AO4_N connects to AGround

±15V input connector

The -15V from the 3 pin connector gets routed to pins A17 and B17. The +15V from the 3 pin connector gets routed to pins A15 and B15.

The AGround from the 3 pin connector gets routed to A14, B14, A16 and B16.

This input is optional in case the user needs to power upto 2 devices that need ±15V.

Note- One ±15V power supply can power upto 2 devices that need this voltage, as long as the 2 devices pull less than 1.1A overall. Any devices or devices that pull more than 1.1A overall cannot be powered using the 3 pin connector and will require it's own dedicated power supply.