

Maximite 10 Channel Expander Jumper Table

Channel	Digital In	Digital Out	Analogue In	Interrupt	Open Collector	Direct Drive Relay	Frequency Input	Period Input	Counting Input
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First Expander Channels 1-10

1	JP1 (24v Max)	JP2 (24v Max on V1)	JP3 (3.3V max)	JP1 (24v Max)	JP2 & (remove R4,D1, 24v Max)	JP2 & (remove R4 24v Max)	Not Supported	Not Supported	Not Supported
2	JP4 (24v Max)	JP5 (24v Max on V1)	JP6 (3.3V max)	JP4 (24v Max)	JP5 & (remove R9,D4, 24v Max)	JP5 & (remove R9, 24v Max)	Not Supported	Not Supported	Not Supported
3	JP7 (24v Max)	JP8 (24v Max on V1)	JP9 (3.3V max)	JP7 (24v Max)	JP8 & (remove R14,D7, 24v Max)	JP8 & (remove R14, 24v Max)	Not Supported	Not Supported	Not Supported
4	JP10 (24v Max)	JP11 (24v Max on V1)	JP12 (3.3V max)	JP10 (24v Max)	JP11 & (remove R19,D10, 24v Max)	JP11 & (remove R19, 24v Max)	Not Supported	Not Supported	Not Supported
5	JP13 (24v Max)	JP14 (24v Max on V1)	JP15 (3.3V max)	JP13 (24v Max)	JP14 & (remove R24,D13, 24v Max)	JP14 & (remove R24, 24v Max)	Not Supported	Not Supported	Not Supported
6	JP16 (24v Max)	JP17 (24v Max on V1)	JP18 (3.3V max)	JP16 (24v Max)	JP17 & (remove R29,D16, 24v Max)	JP17 & (remove R29, 24v Max)	Not Supported	Not Supported	Not Supported
7	JP19 (24v Max)	JP20 (24v Max on V1)	JP21 (3.3V max)	JP19 (24v Max)	JP20 & (remove R34,D19, 24v Max)	JP20 & (remove R34, 24v Max)	Not Supported	Not Supported	Not Supported
8	JP22 (24v Max)	JP23 (24v Max on V1)	JP24 (3.3V max)	JP22 (24v Max)	JP23 & (remove R39,D22, 24v Max)	JP23 & (remove R39, 24v Max)	Not Supported	Not Supported	Not Supported
9	JP25 (24v Max)	JP26 (24v Max on V1)	JP27 (3.3V max)	JP25 (24v Max)	JP26 & (remove R44,D25, 24v Max)	JP26 & (remove R44, 24v Max)	Not Supported	Not Supported	Not Supported
10	JP28 (24v Max)	JP29 (24v Max on V1)	JP30 (3.3V max)	JP28 (24v Max)	JP29 & (remove R49,D28, 24v Max)	JP29 & (remove R49, 24v Max)	Not Supported	Not Supported	Not Supported

Cascaded Expander Channels 11-20

11	JP1 (24v Max)	JP2 (24v Max on V1)	Not Supported	JP1 (24v Max)	JP2 & (remove R4,D1, 24v Max)	JP2 & (remove R4 24v Max)	JP1 (24v Max)	JP1 (24v Max)	JP1 (24v Max)
12	JP4 (24v Max)	JP5 (24v Max on V1)	Not Supported	JP4 (24v Max)	JP5 & (remove R9,D4, 24v Max)	JP5 & (remove R9, 24v Max)	JP4 (24v Max)	JP4 (24v Max)	JP4 (24v Max)
13	JP7 (24v Max)	JP8 (24v Max on V1)	Not Supported	JP7 (24v Max)	JP8 & (remove R14,D7, 24v Max)	JP8 & (remove R14, 24v Max)	JP7 (24v Max)	JP7 (24v Max)	JP7 (24v Max)
14	JP10 (24v Max)	JP11 (24v Max on V1)	Not Supported	JP10 (24v Max)	JP11 & (remove R19,D10, 24v Max)	JP11 & (remove R19, 24v Max)	JP10 (24v Max)	JP10 (24v Max)	JP10 (24v Max)
15	JP13 (24v Max)	JP14 (24v Max on V1)	Not Supported	JP13 (24v Max)	JP14 & (remove R24,D13, 24v Max)	JP14 & (remove R24, 24v Max)	Not Supported	Not Supported	Not Supported
16	JP16 (24v Max)	JP17 (24v Max on V1)	Not Supported	JP16 (24v Max)	JP17 & (remove R29,D16, 24v Max)	JP17 & (remove R29, 24v Max)	Not Supported	Not Supported	Not Supported
17	JP19 (24v Max)	JP20 (24v Max on V1)	Not Supported	JP19 (24v Max)	JP20 & (remove R34,D19, 24v Max)	JP20 & (remove R34, 24v Max)	Not Supported	Not Supported	Not Supported
18	JP22 (24v Max)	JP23 (24v Max on V1)	Not Supported	JP22 (24v Max)	JP23 & (remove R39,D22, 24v Max)	JP23 & (remove R39, 24v Max)	Not Supported	Not Supported	Not Supported
19	JP25 (24v Max)	JP26 (24v Max on V1)	Not Supported	JP25 (24v Max)	JP26 & (remove R44,D25, 24v Max)	JP26 & (remove R44, 24v Max)	Not Supported	Not Supported	Not Supported
20	JP28 (24v Max)	JP29 (24v Max on V1)	Not Supported	JP28 (24v Max)	JP29 & (remove R49,D28, 24v Max)	JP29 & (remove R49, 24v Max)	Not Supported	Not Supported	Not Supported

For each channel you can only have 1 type set, so the jumper should only go in 1 of the 3 slots. Don't forget for the digital output you need to supply V+ to the appropriate channel V pin on the screw connector. Except if you are running open collector then the V+ is supplied through the load (such as a relay coil)