

MaxStepper Firmware Rev 4.0.4 Chip Pin Descriptions

Pin	Description	Details
1	Reset	10K Resistor Pullup to +5VDC
2	A Axis Limit Switch 1	TTL Level
3	Z Axis Direction	TTL Level
4	A Axis Enable	TTL Level-Open Collector (needs pullup resistor)
5	Z Axis Step	TTL Level
6	A Axis Direction	TTL Level
7	A Axis Step	TTL Level
8	Y Axis Limit Switch 2	TTL Level
9	Y Axis Limit Switch 1	TTL Level
10	Y Axis Enable	TTL Level
11	+5VDC	Power Supply+
12	Common	Power Supply-
13	Clock (40Mhz)	from Oscillator Module
14	NU	No connection
15	Auxillary Out 2	TTL Level
16	Y Axis Direction	TTL Level
17	Spindle PWM Output	TTL Level
18	Y Axis Step	TTL Level
19	Auxillary Out 1	TTL Level
20	X Axis Limit Switch 2	TTL Level
21	X Axis Direction	TTL Level
22	Spindle CW	TTL Level
23	X Axis Step	TTL Level
24	Spindle CCW	TTL Level
25	Serial TX	TTL Level (needs level conversion by Max232 IC pin 10)
26	Serial RX	TTL Level (needs level conversion by Max232 IC pin 9)
27	X Axis Enable	TTL Level
28	Coolant Mist	TTL Level
29	X Axis Limit Switch 1	TTL Level
30	Coolant Flood	TTL Level
31	Common	Power Supply-
32	+5VDC	Power Supply+
33	A Axis Limit Switch 2	TTL Level
34	Z Axis Enable	TTL Level
35	Auxillary Input 1	TTL Level
36	Z Axis Limit Switch 1	TTL Level
37	E-Stop Input	TTL Level
38	RX LED	TTL Level
39	TX LED	TTL Level
40	Z Axis Limit Switch 2	TTL Level

