

**Output pins**

	enabled	step	dir	dir low active	step low active	step port	dir port
<b>x</b>	<b>y</b>	<b>2</b>	<b>3</b>	<b>y</b>	<b>y</b>	<b>1</b>	<b>1</b>
<b>y</b>	<b>y</b>	<b>4</b>	<b>5</b>	<b>y</b>	<b>y</b>	<b>1</b>	<b>1</b>
<b>z</b>	<b>y</b>	<b>6</b>	<b>7</b>	<b>y</b>	<b>y</b>	<b>1</b>	<b>1</b>
<b>a</b>	<b>n</b>	<b>8</b>	<b>9</b>	<b>n</b>	<b>n</b>	<b>1</b>	<b>1</b>
<b>b</b>	<b>n</b>	<b>0</b>	<b>0</b>	<b>n</b>	<b>n</b>	<b>1</b>	<b>1</b>
<b>c</b>	<b>n</b>	<b>0</b>	<b>0</b>	<b>n</b>	<b>n</b>	<b>1</b>	<b>1</b>
<b>spindle</b>	<b>y</b>	<b>1</b>	<b>0</b>	<b>y</b>	<b>y</b>	<b>1</b>	<b>1</b>

**Input pins**

**INPUT PINS**

	enabled	port#	pin#	active low	emulated	hotkey	pin
<b>ESTOP</b>	<b>y</b>	<b>1</b>	<b>10</b>	<b>y</b>	<b>n</b>		<b>10</b>
							<b>11</b>
							<b>12</b>
							<b>13</b>
							<b>15</b>
							<b>16</b>

**estop**  
**probe**  
**xlimit**  
**y limit**  
**zlimit**  
**ground**

**DIP Switc  
PINS**

SW1	SW2
OFF	OFF
ON	OFF
OFF	ON
ON	ON
OFF	OFF
ON	OFF
OFF	ON
ON	ON

NOTE: Current ratings are w  
And 800 steps per mm. (ass  
pitch of 2mm per revolution)  
Run current varies with spee  
(go figure)

**Microstep**

SW4	SW5
OFF	OFF
ON	OFF
OFF	ON
ON	ON
OFF	OFF
ON	OFF
OFF	ON
ON	ON

<b>Phes</b>		
SW3	RUN CURRENT	QUIESCENT CURRENT
OFF	0.09	0.24
OFF	0.41	0.12
OFF	0.61	0.14
OFF	0.8	0.19
ON	0.98	0.23
ON	1.04	0.27
ON	1.26	0.33
ON	1.37	0.39

With motor tuning set to 1000 mm/min  
 using a microstep of 8 and lead screw

and – the higher the speed, the less current.

**Phes**

SW6	
OFF	32w1 – 2 PHASE
OFF	16w1 – 2 PHASE
OFF	8w1 – 2 PHASE
OFF	4w1 – 2 PHASE
ON	2w1 – 2 PHASE
ON	w1 – 2 PHASE
ON	1-2 PHASE
ON	2 PHASE