

## **horstronic. Joystick BOM 0.9b**

Latest update 14. June 2016

<b>Part</b>	<b>Quantity</b>	<b>Notes</b>
<b>Resistors</b>		
330R	2	All Resistors can be either
1k	4	0805 SMD or 1/4W Thru Hole
10k	2	(mounted upright)
82k	2	
100k	12	
<b>Potentiometers</b>		
50k Trimmer	2	3296W package
B100k	4	9mm Alpha (vertical) or similar
<b>Capacitors</b>		
100nF	4	0805 SMD ceramic
22µF	2	Electrolytic Cap
<b>Diodes</b>		
1N5817	2	
3mm LED	2	2-pin bicolor
<b>Semiconductors</b>		
TL074	2	DIP package
LM4040	2	5V (If not available, you can also use a 5.1V Zener Diode)
<b>Miscellaneous</b>		
3.5mm Jack	4	Thonkiconn, PJ301BM, Kobiconn or simila
SPDT Toggle Switch	2	PCB mount, 4.7mm pin spacing, 6.35mm thread for example AS 500APC at reichelt
Pin Header male	2	3-pin, 2.54mm spacing (optional for connecting the joystick)
Pin Header male	1	3-pin, 2.54mm spacing (optional, for expanders)
Eurorack Header	1	2x5-pin, 2.54mm spacing
MOTM Header	1	optional, not needed if you're building in eurorack
Power cable	1	Euroack 10-pin to 16-pin power cable