

Quantity	Name	Description	Footprint
Resistors			
3	10R/Bead	Ferrite Bead or 1/4W Metal Film Resistor 1%	L_AXIAL-0.4
2	220R	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
4	470R	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
6	820R	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
28	1k	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
2	1k8	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
7	2k2	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
3	4k7	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
2	5k6	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
4	6k8	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
22	10k	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
2	15k	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
36	20k	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
2	24k	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
4	33k	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
12	47k	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
3	68k	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
34	100k	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
9	200k	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
7	330k	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
3	470k	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
2	560k	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
6	1M	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
2	1.5M	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3
2	3.3M	1/8 or 1/4W Metal Film Resistor 1%	R_AXIAL-0.3

Capacitors			
3	47u	47uf Electrolytic Capacitor, min. 16V	CAP-D6.3-F2.5
2	1n Polystyrene	1nf / 1000pf Polystyrene (or WIMA) Capacitor	CAPACITOR-0.1...0.4
6	100pf	Ceramic Disc Capacitor (Footprint also allows 0805 SMD)	RAD-0.1
4	1n	Ceramic Disc Capacitor (Footprint also allows 0805 SMD)	RAD-0.1
4	10n	Ceramic Disc Capacitor (Footprint also allows 0805 SMD)	RAD-0.1
20	100n	Ceramic Disc Capacitor (Footprint also allows 0805 SMD)	RAD-0.1

Transistors / Diodes			
1	2N5457	JFET - General Purpose N-Channel	TO-92
8	2N3904	General Purpose Transistor NPN	TO-92
8	2N3906	General Purpose Transistor PNP	TO-92
2	1N4001	1N4001....1N4007 or 1N5819	DO-41 BD2.4-L4.7-P8.70-D0.9-RD
5	1N4148	high-speed switching diode	DO-35 BD2.0-L4.0-P8.00-D0.5-FD
12	LED-TH-3mm_White	White Bright LEDs	LED-TH_BD3.0_RED
8	LED-TH-3mm_Colored	BLUE, GREEN, ORANGE, PINK, PURPLE, RED, Y-GREEN, YELLOW	LED-TH_BD3.0_RED

Controls			
5	B100K Potentiometer		ALPHA 9MM VERTICAL POT
10	B100K Tall Trimmer Pot		9MM TALL TRIMMER POT
27	PJ-301M	PJ301M / PJ-398SM / PJ3001F (Thonkiconn)	PJ-301M
2	RS16 2P4T SWITCH	16mm 2 pole, 4 position Rotary Switch	ROTARY_SWITCH_4POS
1	SS-24E01	4 Position Slide Switch	SW-TH_SS-24E01-L5
1	MINI TOGGLE On/Off/On		MINI SPDT On/Off/On
1	MINI TOGGLE On/On		MINI SPDT On/On
2	V/O trim	3296W trimmer 10k (103)	TH_3296W
2	Hftrim	3296W trimmer 20k (203)	TH_3296W
2	SineSymmetry	3296W trimmer 100k (104)	TH_3296W
7	Knobs (Knurled shaft)		

ICs			
5	IC Socket 16pin		DIP16
8	IC Socket 14pin		DIP14
1	IC Socket 8pin		DIP8
2	CEM/AS3340	Can use AS or CEM chips / no changes on Resistors needed	DIP16
1	CD4094	8-STAGE SHIFT-AND-STORE BUS REGISTER	DIP16
1	CD4070	Quad Exclusive-OR (also works with CD4030)	DIP14
2	LM13700N	Dual transconductance amplifier	DIP16
7	TL074	Quad Op-Amp	DIP14
1	TL072	Dual Op-Amp	DIP8

Pin Headers			
2	HDR-M-2.54_1x15	J12,J13	HDR-M-2.54_1X15
2	HDR-F-2.54_1x15	H1,H2	HDR-F-2.54_1X15
1	HDR-M-2.54_2x10	J25	HDR-M-2.54_2X10
1	HDR-F-2.54_2x10	H5	HDR-F-2.54_2X10
2	HDR-M-2.54_1x6	J28,J31	HDR-M-2.54_1X6
1	Eurorack Power 16 Pin IDC	U5	HDR-M-2.54_2X8 Boxed
1	To Expander 10 Pin IDC	H3	HDR-F-2.54_2X5

PCBs			
1	Engine Front Panel		EURORACK_Panel 24HP
2	Engine PCBs		EURORACK_PCB 24HP
1	Switch Adapter PCB		