

**ORBITAL, V1, JUNE 2020**

Index	Qty	Description	Specs	Value	Package
<b>TH parts - Resistors</b>					
R11, R13	2	Resistor, 1%	1/6 W	470	R Axial DIN0207
R10, R45, R46, R47, R48, R49, R50, R51, R52	9	Resistor, 1%	1/6 W	1k	R Axial DIN0207
R28	1	Resistor, 1%	1/6 W	1.5k	R Axial DIN0207
R19	1	Resistor, 1%	1/6 W	1.8k	R Axial DIN0207
R16	1	Resistor, 1%	1/6 W	5.6k	R Axial DIN0207
R22	1	Resistor, 1%	1/6 W	10k	R Axial DIN0207
R40	1	Resistor, 1%	1/6 W	15k	R Axial DIN0207
R5, R20, R24	3	Resistor, 1%	1/6 W	22k	R Axial DIN0207
R15	1	Resistor, 1%	1/6 W	24k	R Axial DIN0207
R18, R21	2	Resistor, 1%	1/6 W	47k	R Axial DIN0207
R30, R32, R35, R38	4	Resistor, 1%	1/6 W	91k	R Axial DIN0207
R1, R2, R3, R17, R25, R33, R36, R39, R41, R42, R43, R44	12	Resistor, 1%	1/6 W	100k	R Axial DIN0207
R1B1, R2B1, R3B1, R4B1, R5B1, R6B1, R7B1, R8B1	8	Resistor, 0.1%	Here you just mount one or the other	100k	SMD 0805
R1A1, R2A1, R3A1, R4A1, R5A1, R6A1, R7A1, R8A1	8	Resistor, 0.1%		100k	R Axial DIN0207
R8, R23	2	Resistor, 1%	1/6 W	150k	R Axial DIN0207
R26, R27	2	Resistor, 1%	1/6 W	180k	R Axial DIN0207
R4	1	Resistor, 1%	1/6 W	200k	R Axial DIN0207
R9	1	Resistor, 1%	1/6 W	220k	R Axial DIN0207
R29, R31, R34, R37	4	Resistor, 1%	1/6 W	240k	R Axial DIN0207
R7	1	Resistor, 1%	1/6 W	1M	R Axial DIN0207
R6, R12	2	Resistor, 1%	1/6 W	1.5M	R Axial DIN0207
R14	1	Resistor, 1%	1/6 W	10M	R Axial DIN0207
<b>TH parts - Capacitors</b>					
C19, C20	2	Capacitor, ceramic	>= 25V	10p	C Disc P5.08mm
C16	1	Capacitor, ceramic	>= 25V	200p	C Disc P5.08mm
C12	1	Capacitor, ceramic	>= 25V	1n	C Disc P5.08mm
C1, C6, C7, C17	4	Capacitor, ceramic	>= 25V	10n	C Disc P5.08mm
C4, C5, C8, C9, C10, C11, C13, C14, C15, C21, C22	11	Capacitor, ceramic	>= 25V	100n	C Disc P5.08mm
C18	1	Capacitor, electrolytic	>= 25V	1μ	CAP-D5.0XF2.0
C2, C3	2	Capacitor, electrolytic	>= 25V	10μ	CAP-D5.0XF2.0
<b>TH parts - Diodes and Ics</b>					
D1, D2	2	1N5818			DO-41
D3, D4, D5, D6	4	1N4148			DO-35
Q1, Q3	2	2N3904			TO-92
Q2	1	2N3906			TO-92
U1	1	LM4040AIZ-5.0			TO-92
U2	1	TL074	Texas instrument		DIP14
U3	1	TL072	Texas instrument		DIP8
U4	1	CD4013	Texas instrument		DIP14
U5	1	AS3340 or V3340 or CEM3340			DIP16
U9	1	LM78L05			TO-92
U10	1	LM79L05			TO-92
RV7	1	Precision Trimmer		10k	3296X
RV6	1	Precision Trimmer		20k	3296X
RV5	1	Precision Trimmer		100k	3296X
<b>TH parts - EURORACK</b>					
SW1	1	SR2612F-0112 or SR2612F-0206			
SW2, SW3	2	2MS1T1B1M2QES	SPDT ON-ON		Subminiature
RV1, RV2, RV3, RV4	4	linear pot, round shaft	ALPHA-9MM	100k	
Synthie 2 plastic metal knob	4	round shaft			
Davies 1510 Knob	1	round shaft			
J11	10	Vertical jack connector	PJ301M-12		
J20, J21	2	1x6 male pin header, 2.54mm pitch			
J30, J31	2	1x6 female pin header, 2.54mm pitch			

J22	2	1x8 male pin header, 2.54mm pitch			
J32	2	1x8 female pin header, 2.54mm pitch			
J23	1	1x9 male pin header, 2.54mm pitch			
J33	1	1x9 female pin header, 2.54mm pitch			
J1	1	2x5 male header, 2.54mm pitch			HDR-5X2/2.54