

Karltron SynthCard v1 20230215

Step	Quantity	Reference(s)	Value	Desc	Note
1	9	R1, R2, R3, R10, R13, R15, R18, R19, R24	100K	1/4W Resistor	resistors are cheap, get some bulk of these common values
2	5	R7, R12, R14, R16, R17	10K	1/4W Resistor	
3	3	R20, R25, R26	1M	1/4W Resistor	
4	3	R4, R5, R8	1K	1/4W Resistor	
5	2	C4, C5	100nF	Capacitor_THT:C_	any type!
6	1	C6	10uF	Capacitor_THT:CP	any type!
7	2	J1, J2	Conn_01x02	Connector_Generi	power pins could be rightangle
8	7	J3-J9	Conn_01x02	two pin header	buy a 40pin and snap it
9	3	R21, R22, R23	1K - 10K	1/4W Resistor	dropper for input LEDs
10	3	R6, R9, R11	LDR	Tayda A-1528	hand-rolled vactrol optional
11	3	D1, D2, D3	LED	5mm, any type	hand-rolled vactrol optional
12	4	RV1, RV2, RV3, RV4	B100K	Potentiometer	Tayda A-2506 or A-5623
13	2	U1, U2	TL074	Amplifier_Operati	Package_DIP:DIP-14_W7.62mm
14	3	C1, C2, C3	1uF to 10uF	Timing Capacitors	any type!

smaller makes higher pitches, larger makes sub-audio