

Bill of Material			
Part ID	Qty	Description	Size
C1,C2	2	1uF	0805
C3,C7	2	10uF	0805
C4,C5,C6	3	0.1uF	0805
D1,D2	2	BAS40-04	SOT-23
R1,R2	2	15K	0805
R3,R4,R10,R12,R16	5	5K	0805
R5,R7	2	68K	0805
R6,R8	2	20K	0805
R9,R11	2	10K	0805
R13	1	1K	0805
R14,R15	2	20K	0805
U1	1	MCP6022	SO-8
U2	1	74LV4066	SO-14
U3	1	RP2040	DIP
J1	1	2mm JST	3 pin
J2	1	0.1" JST	2 pin
J3	1	0.1" IDC	10 pin
J4	1	2mm JST	8 pin
PCB	1	N704	80x32mm
Hardware	4	Heat set insert	#2
Hardware	4	Machine screw	#2 x 1/4"
Panel	1	3D printed	128.5 x 40.64
Mode button	1	Button	red
Gain Switch	1	Rotary Switch	3 position
Sweep Switch	1	Rotary Switch	5 position
Input Switch	1	Toggle Switch	ON-OFF-ON
Input Jack	1	3.5mm Jack	stereo
Knobs	2	Knob	6mm
Display	1	TFT LCD Module	1.28" 240x240