

Item	Qty	Reference(s)	Value	LibPart
1	1	C1	10n	Device:C
2	2	C2, C9	10u	Device:C_Polarized
3	1	C3	68p	Device:C
4	2	C4, C5	1n	Device:C
5	1	C6	1.5n	Device:C
6	2	C7, C8	100n	Device:C
7	1	D1	1N4148	Diode:1N4148
8	2	D2, D3	BAT54S	Diode:BAT54S
9	1	D4	BAT46	Diode:BAT46
10	1	D5	LED	Device:LED
11	2	H1, H2	MountingHole	Mechanical:MountingHole
12	1	J1	AudioJack3	Connector:AudioJack3
13	1	J2	Barrel_Jack_Switch	Connector:Barrel_Jack_Switch
14	1	J3	Conn_01x08	Connector_Generic:Conn_01x08
15	1	J4	Conn_01x03	Connector_Generic:Conn_01x03
16	2	L1, L2	4.7u	Device:L
17	2	R1, R5	47k	Device:R
18	1	R2	28k	Device:R
19	1	R3	1k	Device:R
20	4	R4, R7, R12, R15	10k	Device:R
21	1	R6	4K7	Device:R
22	1	R8	100k	Device:R
23	4	R9, R10, R11, R13	910	Device:R
24	1	R14	100	Device:R
25	1	R16	150	Device:R
26	1	T1	BC847	Transistor_BJT:BC847
27	1	TP1	GND	Connector:TestPoint
28	1	TP2	EMS1	Connector:TestPoint
29	1	TP3	EMS2	Connector:TestPoint
30	1	TP4	EMS	Connector:TestPoint
31	1	TP5	Uref	Connector:TestPoint
32	1	TP6	Tx	Connector:TestPoint
33	1	TP7	Rx	Connector:TestPoint
34	1	U1	LM393	Comparator:LM393
35	1	U2	XIAO-ESP32C3	Project:XIAO-ESP32C3

Footprint

Capacitor_SMD:C_0805_2012Metric
Capacitor_Tantalum_SMD:CP_EIA-6032-28_Kemet-C
Capacitor_SMD:C_0805_2012Metric
Capacitor_SMD:C_0805_2012Metric
Capacitor_SMD:C_0805_2012Metric
Capacitor_SMD:C_0805_2012Metric
Diode_SMD:D_SOD-123
Package_TO_SOT_SMD:SOT-23
Diode_SMD:D_SOD-123
LED_SMD:LED_0805_2012Metric
MountingHole:MountingHole_2.5mm
Connector_Audio:Jack_3.5mm_Lumberg_1503_07_Horizontal
Project:Lumberg-NEB-21-R
Connector_PinHeader_2.54mm:PinHeader_1x08_P2.54mm_Vertical
Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_Vertical
Inductor_SMD:L_1210_3225Metric
Resistor_SMD:R_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
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Resistor_SMD:R_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
Resistor_SMD:R_0805_2012Metric
Package_TO_SOT_SMD:SOT-23
TestPoint:TestPoint_Pad_D1.0mm
TestPoint:TestPoint_Pad_D1.0mm
TestPoint:TestPoint_Pad_D1.0mm
TestPoint:TestPoint_Pad_D1.0mm
TestPoint:TestPoint_Pad_D1.0mm
TestPoint:TestPoint_Pad_D1.0mm
TestPoint:TestPoint_Pad_D1.0mm
TestPoint:TestPoint_Pad_D1.0mm
Package_SO:SO-8_3.9x4.9mm_P1.27mm
Project:Seeed Studio XIAO