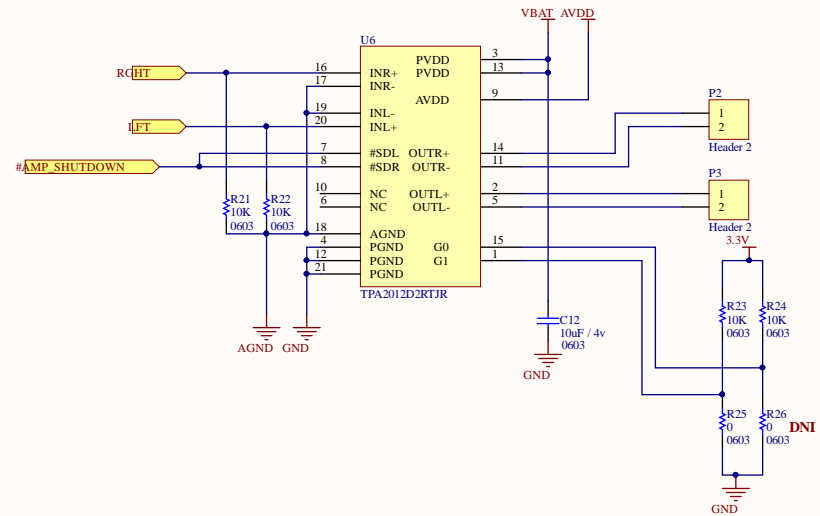
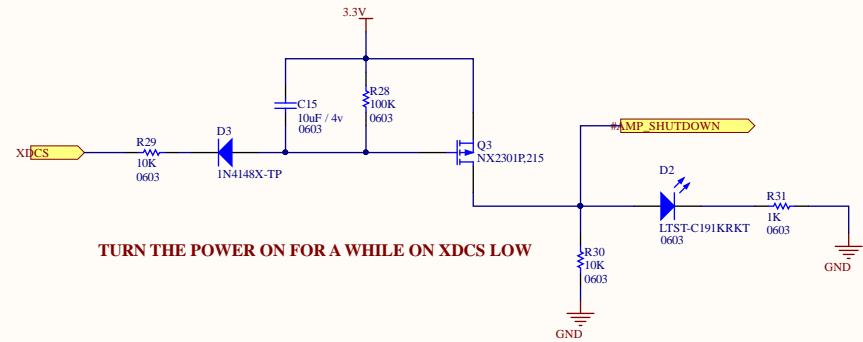


MP3 DECODER

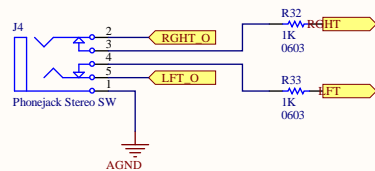


AUDIO STEREO AMPLIFIER

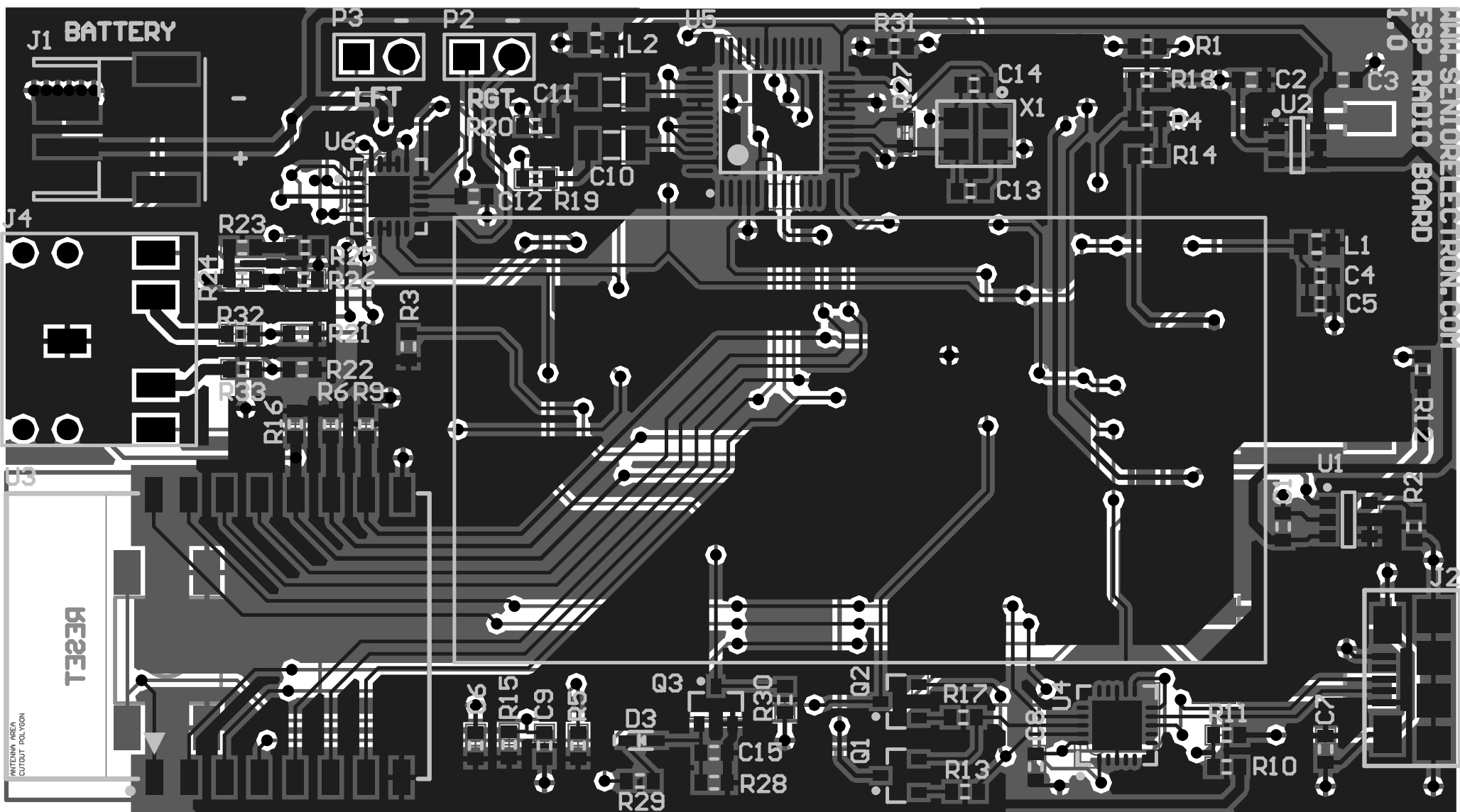


TURN THE POWER ON FOR A WHILE ON XDCS LOW

AMPLIFIER POWER CIRCUIT



AUDIO JACK



Comment	Description	Designator	Footprint	Quantity
1uF	Capacitor	C1, C4, C7, C9	J1-0603	4
10uF / 4v	Capacitor	C2, C3, C12, C15	J1-0603	4
100nF	Capacitor	C5, C6, C8	J1-0603	3
100uF	Capacitor	C10, C11	C1206	2
10pF	Capacitor	C13, C14	J1-0603	2
LTST-C191KRKT	Typical INFRARED GaAs LED	D1, D2	LED 0603	2
1N4148X-TP	Default Diode	D3	SOD523	1
JST-PH 2	Header, 2-Pin	J1	JST-PH 2	1
		J2	Micro-B USB	1
JD-T18003-T01	Header, 14-Pin	J3	JD-T18003-T01	1
Phonejack Stereo SW	3-Conductor Jack with 2 break contacts (normals) and 2 auxiliary make contacts	J4	STEREO JACK	1
MPZ2012S601A	Magnetic-Core Inductor	L1, L2	MPZ2012	2
Header 2	Header, 2-Pin	P2, P3	HDR1X2	2
MMBT2222ALT1G	NPN General Purpose Amplifier	Q1, Q2	SOT23_L	2
NX2301P,215	P-Channel MOSFET	Q3	SOT23_L	1
1K	Resistor	R1, R4, R31, R32, R33	J1-0603	5
4.0k	Resistor	R2	J1-0603	1
100R	Resistor	R3, R19, R20	J1-0603	3
10K	Resistor	R5, R6, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R21, R22, R23, R24, R29, R30	J1-0603	18
0	Resistor	R25, R26	J1-0603	2
1M	Resistor	R27	J1-0603	1
100K	Resistor	R28	J1-0603	1
FSM6JSMA	Single-Pole, Single Throw Switch	S1, S2, S3, S4, S5	Tactile 4pin SMD 6mm X 6mm	5
MCP73831		U1	SOT23-5AL	1
AP7312-1833W6-7		U2	SOT26A-6L	1
ESP8266		U3	ESP_12	1
FT231XQ-R		U4	QFN-ML20_L	1
VS1053b		U5	SQFP50P900X900-48L	1
TPA2012D2RTJR		U6	QFN50P400X400-20V1L	1
ABM8G-12.288MHZ		X1	ABM8G	1