

CSE 3323 - Electronics  
 Bill of Materials for Audio Amplifier Circuit

Qty	Value	Part Description	Mouser Number
1	10Ω	1/4W Resistor	<a href="#">660-CF1/4C100J</a>
1	1.5kΩ	1/4W Resistor	<a href="#">660-CF1/4C152J</a>
3	2.7kΩ	1/4W Resistor	<a href="#">660-CF1/4C272J</a>
3	3.9kΩ	1/4W Resistor	<a href="#">660-CF1/4C392J</a>
1	4.7kΩ	1/4W Resistor	<a href="#">660-CF1/4C472J</a>
6	10kΩ	1/4W Resistor	<a href="#">660-CF1/4C103J</a>
3	22kΩ	1/4W Resistor	<a href="#">660-CF1/4C223J</a>
1	47kΩ	1/4W Resistor	<a href="#">660-CF1/4C473J</a>
4	100kΩ	1/4W Resistor	<a href="#">660-MF1/4CC1003F</a>
3	200kΩ	1/4W Resistor	<a href="#">660-MF1/4CC2003F</a>
1	10kΩ	Thumb POT	<a href="#">652-3362P-1-103TLF</a>
4	100kΩ	TRIMPOT	<a href="#">652-3362P-1-104LF</a>
1	SPDT	Slider Switch	<a href="#">612-EG1218</a>
1	Electret	2-Pin Microphone	<a href="#">Amazon Link</a>
1	3.5mm Audio Jack	NEW - Clear Case	<a href="#">Amazon Link</a>
-	3.5mm Audio Jack	OLD - Breadboard Compatible	<a href="#">485-1699</a>
		OLD - Pinout	<a href="#">Datasheet Link</a>

Qty	Value	Part Description	Mouser Number
1	2.2nF	Capacitor	<a href="#">810-FG18X7R1H222KNT0</a>
3	4.7nF	Capacitor	<a href="#">810-FA18X7R1H47200</a>
1	0.01uF	Capacitor	<a href="#">810-FA18X7R1H10300</a>
2	22nF	Capacitor	<a href="#">810-FA18X7R1H22300</a>
1	0.05uF	Capacitor	<a href="#">581-SR205C563KARTR2</a>
12	0.1uF	Capacitor	<a href="#">594-K104K15X7RF53L2</a>
1	10uF	Capacitor	<a href="#">810-FK14X5R1C106M</a>
1	270uF	Electrolytic Cap. (Polarized)	<a href="#">661-EKY500ELL271MJ2</a>
1	1000uF	Electrolytic Cap. (Polarized)	<a href="#">647-UVR1H102MHD</a>
1	RED	LED Bar (10-segment)	<a href="#">696-LXB10IW</a>
1	YELLOW	LED Bar (10-segment)	<a href="#">696-SSA-LXB10YW</a>
1	GREEN	LED Bar (10-segment)	<a href="#">696-LXB10GW</a>
3	LM3914N-1	LED Bar Driver IC	<a href="#">926-LM3914N-1</a>
2	LM324N	Op-Amp (Quad) IC	<a href="#">595-LM324N</a>
1	LM386N-4	Power Audio Amp IC	<a href="#">926-LM386N-4/NOPB</a>
1	8Ω, 20W	4" Full-range Speaker	<a href="#">243-R10S-8OHM</a>
1	3.5mm Cable	5ft Aux Audio	<a href="#">Amazon Link</a>

68 Total Parts