

CSE 3323 - Electronics

Bill of Materials for Audio Amplifier Circuit

Qty	Value	Part Description	Mouser Number
1	10Ω	1/4W Resistor	660-CF1/4C100J
1	270Ω	1/4W Resistor	660-CF1/4C271J
1	1kΩ	1/4W Resistor	660-CF1/4C102J
1	1.5kΩ	1/4W Resistor	660-CF1/4C152J
2	1.8kΩ	1/4W Resistor	660-CF1/4C182J
3	2.7kΩ	1/4W Resistor	660-CF1/4C272J
2	3.3kΩ	1/4W Resistor	660-CF1/4C332J
3	3.9kΩ	1/4W Resistor	660-CF1/4C392J
1	4.7kΩ	1/4W Resistor	660-CF1/4C472J
5	10kΩ	1/4W Resistor	660-CF1/4C103J
1	20kΩ	1/4W Resistor	660-CF1/4C203J
3	22kΩ	1/4W Resistor	660-CF1/4C223J
1	47kΩ	1/4W Resistor	660-CF1/4C473J
4	100kΩ	1/4W Resistor	660-CF1/4CU104J
1	10kΩ	Thumb POT	652-3362P-1-103TLF
6	100kΩ	TRIMPOT	652-3362P-1-104LF
1	470kΩ	TRIMPOT	652-3386P-1-474LF
1	3.5mm Audio Jack	Stereo (breadboard comp.)	485-1699
		audio jack pinout -->	Datasheet Link

Qty	Value	Part Description	Mouser Number
1	1nF	Capacitor	810-FG18X7R1H102KNT0
1	2.2nF	Capacitor	810-FG18X7R1H222KNT0
5	4.7nF	Capacitor	810-FA18X7R1H47200
1	0.01uF	Capacitor	810-FA18X7R1H10300
3	22nF	Capacitor	810-FA18X7R1H22300
1	47nF	Capacitor	75-1C10X7R473K100B
1	0.05uF	Capacitor	581-SR205C563KARTR2
12	0.1uF	Capacitor	594-K104K15X7RF53L2
1	10uF	Capacitor	810-FK14X5R1C106M
1	270uF	Electrolytic Cap. (Polarized)	661-EKY500ELL271MJ2
1	1000uF	Electrolytic Cap. (Polarized)	647-UVR1H102MHD
1	RED	LED Bar (10-segment)	696-LXB10IW
1	YELLOW	LED Bar (10-segment)	696-SSA-LXB10YW
1	GREEN	LED Bar (10-segment)	696-LXB10GW
3	LM3914N-1	LED Bar Driver IC	926-LM3914N-1
2	LM324N	Op-Amp (Quad) IC	595-LM324N
1	LM386N-4	Power Audio Amp IC	926-LM386N-4/NOPB
1	8Ω, 20W	4" Full-range Speaker	243-R10S-8OHM
1	3.5mm Cable	5ft Aux Audio	Amazon Link