

BlueStamp Engineering Student Bill of Materials (BOM)

Please fill this out for all parts that will be required for your project.

If you cannot find information, move on and ask your instructor when emailing this to them.

Item #	Description	Vendor	Part Number	Qty	Unit Cost	Cost	Link to Where to Purchase
1	RGB LED Matrix Panel - 32x64	Sparkfun	14718	1	\$44.95	\$44.95	https://www.sparkfun.com/products/14718?_ga=2.75046866.1999017246.1526853074-1128682953.1526749528
2	Power Supply - 12V/5V (2A)	Sparkfun	11296	1	\$9.95	\$9.95	https://www.sparkfun.com/products/11296?_ga=2.267538510.1999017246.1526853074-1128682953.1526749528
3	Power Cable 7A IEC C13	Sparkfun	11299	1	\$1.50	\$1.50	https://www.sparkfun.com/products/11299?_ga=2.100413790.1999017246.1526853074-1128682953.1526749528
4	4 Pin Molex Connector	Amazon		1	\$7.99	\$7.99	https://www.amazon.com/Computer-Molex-Power-Supply-Splitter/dp/B07945Z759/ref=sr_1_1_sspa?s=industrial&ie=UTF8&qid=1526854057&sr=1-1-spons&keywords=4+Pin+Molex+Connector&psc=1
5	Breadboard	Amazon		1	\$9.99	\$9.99	https://www.amazon.com/Elegoo-EI-CP-003-Breadboard-Solderless-Distribution/dp/B01EV6LJ7G
6	Jumper Cables	Amazon		1	\$6.98	\$6.98	https://www.amazon.com/Haitronic-Multicolored-Breadboard-Arduino-raspberry/dp/B01LZF1ZSZ/ref=sr_1_7?ie=UTF8&qid=1526855395&sr=8-7&keywords=jumper+wire+kit
7	Speakers	Amazon		1	\$12.98	\$12.98	https://www.amazon.com/AmazonBasics-Twins-USB-Powered-Computer-Speakers/dp/B00GHY5F3K/ref=sr_1_1_sspa?s=pc&ie=UTF8&qid=1526855934&sr=1-1-spons&keywords=computer+speakers&psc=1
8	Arduino Microphone	Amazon		1	\$10.68	\$10.68	https://www.amazon.com/Adafruit-Electret-Microphone-Amplifier-MAX9814/dp/B00SLYAI9K/ref=sr_1_1?s=electronics&ie=UTF8&qid=1526855977&sr=1-1&keywords=arduino+microphone
9	Acrylic Sheets	Amazon		2	\$8.99	\$17.98	https://www.amazon.com/Plexiglass-12-Clear-Acrylic-Sheet/dp/B01NBVKDDP/ref=sr_1_7?ie=UTF8&qid=1526856216&sr=8-7&keywords=acrylic
			LED STRIP:				
10	LED Strip	Amazon		1	\$36.99	\$36.99	
11	Power Supply - 12V/5V (2A)	Amazon		1	\$14.99	\$14.99	https://www.amazon.com/Coolerguys-100-240v-Molex-Power-Adapter/dp/B000MG6GSC/ref=sr_1_7?ie=UTF8&qid=1530632555&sr=8-7&keywords=Power+Supply+-+12V%2F5V+%282A%29
12	5V 15A AC to DC Power Supply Adapter	Amazon		1	\$25.99	\$25.99	https://www.amazon.com/dp/B01LXN7MN3
13	Headphone Splitter	Amazon		1	\$4.99	\$4.99	https://www.amazon.com/dp/B000067RC4/ref=twister_B01179LX1M?_encoding=UTF8&th=1
14	Aux Cord	Amazon		1	\$3.99	\$3.99	https://www.amazon.com/XCC-Auxiliary-Samsung-Android-3-5mm-Enabled/dp/B01CUWZ1NQ/ref=sr_1_7?ie=UTF8&qid=1531162714&sr=8-7&keywords=aux%2Bcord&th=1
15	Arduino Mega 2560	Amazon		1	\$14.99	\$14.99	https://www.amazon.com/SunFounder-ATmega2560-16AU-Board-compatible-Arduino/dp/B00D9NA4CY/ref=sr_1_1_sspa?ie=UTF8&qid=152685548&sr=8-1-spons&keywords=Arduino+Mega+2560&psc=1
Total Cost:						\$224.94	