

Quantity	Name	Part #	Block	Datasheet
175	RGB LEDs		LED Matrix	https://drive.google.com/file/d/11yaKwgm-G63Qb4xTbU9kgjMfas2fDEZW/view?usp=sharing
1	Arduino Bootloader	ATMEGA328P	Microcontroller	https://www.arduino.cc/en/uploads/Main/ArduinoNanoManual23.pdf
7	NPN Transistors	2N3904	Decoder	https://www.electroschematics.com/wp-content/uploads/2012/11/MMBT3904.pdf
13	Shift Registers	74HC595	Decoder	https://www.electroschematics.com/wp-content/uploads/2013/08/74HC_HCT595-datasheet.pdf
1	10k Ohm 1/4W Resistor		Decoder	resistor.pdf
7	1k Ohm 1/4W Resistor		Decoder	resistor.pdf
75	330 Ohm 1/4W Resistor		Decoder	resistor.pdf
1	0.1uF Capacitor- Cer	P56	Power Supply	https://eecs.oregonstate.edu/education/inventory_datasheets/P56-1418680156.pdf
1	10uF Capacitor- Elec	P64	Power Supply	https://eecs.oregonstate.edu/education/inventory_datasheets/P64.pdf
8	P-Channel MOSFETs	IRF9Z34N	Decoder	IRF9Z34NPbF.pmd (infineon.com)
1	5V JD Power Supply	704062	Power Supply	https://media.oregonstate.edu/media/t/0_qh3l0qfd
1	Enclosure	P1438966911	Enclosure	https://eecs.oregonstate.edu/education/inventory_datasheets/P1438966911.pdf
100ft	20AWG wire		LED Matrix	
1	2x8cm Protoboard	951	LED Matrix	https://resi.store/products/886/protoboard.pdf
4	Breadboard	939	Testing	https://resi.store/products/875/
40ft	.4mm Solder	857	LED Matrix	https://resi.store/products/802/sn63pb37.pdf
1	9V Battery Leads	P41	Power Supply	https://eecs.oregonstate.edu/education/inventory_datasheets/P41-1418678385.pdf
1	Heat Sink	P189	Power Supply	https://eecs.oregonstate.edu/education/inventory_datasheets/P189.pdf
2	Power Supply Switch	1680	Power Supply	https://resi.store/products/1594/1680.pdf
1	On-Off Switch	965	Power Supply	https://resi.store/products/899/pushspdt.pdf
1	Power Supply choice Switch	962	Power Supply	https://resi.store/products/896/slide.pdf
1	Animation Button	966	GUI	https://resi.store/products/900/pushspdt.pdf
125	Male Header Connector Pins	924	Assembly	https://resi.store/products/862/header.pdf
25	Female Header Connector Pins	923	Assembly	https://resi.store/products/862/header.pdf
85	Female-Female Jumper Wire	1095	Assembly	https://resi.store/products/879/awg.pdf