LED Grandfather Clock – Bill Of Materials
Version 1.0

Check for the most recent version of this file at:
https://github.com/vinmarshall/Radio-Shack-LED-Grandfather-Clock

Quantity	Part	Vendor	Part Number	Source
1	Arduino Uno Rev 3	Radio Shack	276-128	www.radioshack.com
7	RGB LED	Radio Shack	276-028	www.radioshack.com
3	IRF-510 MOSFET N-Channel	Radio Shack	276-2072	www.radioshack.com
1	100 ohm 1/4W Resistors	Radio Shack	271-1311	www.radioshack.com
1	10K ohm 1/4W Resistors	Radio Shack	271-1335	www.radioshack.com
1	12V Power Supply	Radio Shack	273-0357	www.radioshack.com
1	Size 'K' Power Supply Plug	Radio Shack	273-0342	www.radioshack.com
1	CR1225 Coin Cell Battery	Radio Shack	23-794	www.radioshack.com
1	Printed Circuit Board	Express PCB	N/A	www.expresspcb.com
	OR Arduino Proto Shield	Radio Shack	276-0140	www.radioshack.com
1	Pushbutton	DigiKey	SW400-ND	www.digikey.com
2	330 ohm Bussed Resistor Array	DigiKey	4608X-1-331LF-ND	www.digikey.com
1	220 ohm Bussed Resistor Array	DigiKey	4608X-1-221LF-ND	www.digikey.com
1	0.1” Header Pins	DigiKey	SAM1035-50-ND	www.digikey.com
1 (optional)	4 Pin Right Angle 0.1” Header	DigiKey	WM4302-ND	www.digikey.com
1	DS1307 RTC	DigiKey	DS1307+-ND	www.digikey.com
1	32.768 KHz Crystal	DigiKey	X802-ND	www.digikey.com
1	0.1uF Capacitor	DigiKey	399-4264-ND	www.digikey.com
1	12mm Coin Cell Battery Holder	DigiKey	3001K-ND	www.digikey.com
1	Mirrored Plexiglass Reflector	Pololu	N/A	www.pololu.com
1	White Plexiglass Diffuser	Pololu	N/A	www.pololu.com
1	4-40 x 7/16” L Nylon Standoffs	McMaster Carr	92745A472	www.mcmaster.com
1	4-40 x 3/4” L Nylon Standoffs	McMaster Carr	92745A324	www.mcmaster.com
1	4-40 x 1/2” SS Threaded Studs	McMaster Carr	95412A409	www.mcmaster.com
1	4-40 Nylon Nuts	McMaster Carr	94812A112	www.mcmaster.com