

Radio Shack LED Grandfather Clock – Circuit Board Bill Of Materials

Part	Type	Vendor and Part Number
B1	3.3V	RS 23-794
C1	0.1uF	DK 399-4264-ND
D1	RGB LED	RS 276-0028
D2	RGB LED	RS 276-0028
D3	RGB LED	RS 276-0028
D4	RGB LED	RS 276-0028
D5	RGB LED	RS 276-0028
D6	RGB LED	RS 276-0028
D7	RGB LED	RS 276-0028
D8	RGB LED	RS 276-0028
D9	RGB LED	RS 276-0028
D10	RGB LED	RS 276-0028
D11	RGB LED	RS 276-0028
D12	RGB LED	RS 276-0028
D13	RGB LED	RS 276-0028
D14	RGB LED	RS 276-0028
J1	0.1" Header Pins	DK SAM1035-50-ND
J2	0.1" Header Pins	DK SAM1035-50-ND
J3	0.1" Header Pins	DK SAM1035-50-ND
Q1	IRF510 N-channel MOSFET	RS 276-2072
Q2	IRF510 N-channel MOSFET	RS 276-2072
Q3	IRF510 N-channel MOSFET	RS 276-2072
R1	100R	RS 271-1311
R2	100R	RS 271-1311
R3	100R	RS 271-1311
R4	10K	RS 271-1335
R5	10K	RS 271-1335
R6	10K	RS 271-1335
RN1	220R	DK 4608X-1-221LF-ND
RN2	220R	DK 4608X-1-221LF-ND
RN3	220R	DK 4608X-1-221LF-ND
RN4	220R	DK 4608X-1-221LF-ND
RN5	220R	DK 4608X-1-221LF-ND
RN6	220R	DK 4608X-1-221LF-ND
SW1	Reset Button	DK SW400-ND
U	DS1307	DK DS1307+-ND
X1	32.768 kHz	DK X802-ND

RS = Radio Shack

DK = Digi-Key