

Bill Of Materials for Hotel_Energy_Saver

Design Title	Hotel_Energy_Saver
Author	Süheyl Cem TAN
Document Number	29072020
Revision	1.0
Design Created	29 Temmuz 2020 Çarşamba
Design Last Modified	12 Şubat 2021 Cuma
Total Parts In Design	131

0 Modules

Quantity	References	Value	Stock Code	Unit Cost
				₺0,00

Sub-totals:

31 Capacitors

Quantity	References	Value	Stock Code	Unit Cost
4	C1-C2,C14-C15	22pF	Digikey 478-1280-1-ND	
2	C3-C4	68u	Digikey 495-1572-2-ND	
6	C5-C10	100pF	Digikey 490-1641-1-ND	
2	C11,C25	0.1u	Digikey 478-1280-1-ND	
1	C12	47nF 400V		
1	C13	10nF 400V		
2	C16,C22	10u	Digikey 495-1572-2-ND	
7	C17-C21,C23-C24	10nF	Digikey 490-1641-1-ND	
2	C26,C29	100nF	Digikey 490-1641-1-ND	
2	C27-C28	680u	Digikey 495-1572-2-ND	
2	C30-C31	5F		

Sub-totals:

₺0,00

49 Resistors

Quantity	References	Value	Stock Code	Unit Cost
10	R1-R4,R12,R17-R18,R36-R37, R40	10K	Digikey 311-10.0KCCT-ND	
1	R5	1M	Digikey 311-10.0KCCT-ND	
11	R6,R13-R14,R29-R35,R48	470	Digikey 311-10.0KCCT-ND	
6	R7-R8,R15,R27-R28,R38	1K	Digikey 311-10.0KCCT-ND	
1	R9	360	Digikey 311-360FTR-ND	
1	R10	470	Digikey 311-360FTR-ND	
1	R11	39	Digikey 311-360FTR-ND	
4	R16,R22,R41-R42	0.1	Digikey 311-10.0KCCT-ND	
2	R19-R20	560	Digikey 311-10.0KCCT-ND	
1	R21	2K	Digikey 311-10.0KCCT-ND	
4	R23-R26	49.9	Digikey 311-10.0KCCT-ND	
1	R39	10	Digikey 311-10.0KCCT-ND	
2	R43-R44	0.1	Digikey 311-12.0KLTR-ND	
1	R45	2.2K	Digikey 311-12.0KLTR-ND	
1	R46	220	Digikey 311-12.0KLTR-ND	
2	R47,R49	10K	Digikey 311-12.0KLTR-ND	

Sub-totals:

₺0,00

14 Integrated Circuits

Quantity	References	Value	Stock Code	Unit Cost
1	U1	ATMEGA328P		
1	U2	L7805CDT-TR		

1	U3	LM1117MP-3,3	
1	U4	MOC3021	
1	U5	BT138-600E_127	
2	U6-U7	SN74LVC1G14DBVR	
1	U8	DI206	
1	U9	SECME_09-03290-01	
1	U10	ENC28J60-I_SO	
1	U11	FM24C256-G	
2	U12-U13	L-KLS7-TS3603B-5.0-250-T	
1	U14	H11L1M	
Sub-totals:			₺0,00
1 Transistors			
Quantity	References	Value	Stock Code
1	Q1	BC817-16	Digikey BC817-16DITR-ND
Sub-totals:			₺0,00
19 Diodes			
Quantity	References	Value	Stock Code
4	D1-D2,D8,D13	0603 SMD LED RED	
4	D3-D4,D16-D17	BZX84C3V3	
3	D5,D9,D12	0603 SMD LED GREEN	
4	D6,D10-D11,D19	0603 SMD LED BLUE	
1	D7	MBR0520-TP	
2	D14-D15	M7 (1N4007) SMA	Digikey DL4007MSCT-ND
1	D18	1N4148WS-7	Digikey 1N4148WSDITR-ND
Sub-totals:			₺0,00
17 Miscellaneous			
Quantity	References	Value	Stock Code
1	F1	0034.6622 Fuse PCB 2.5a 250v Time Delay	
2	J1-J2	26640601RP2	NorComp 26640601RP2
6	J3-J4,J6-J9	WJ142R-5	
1	J5	HR911105A	
1	J10	PH-1X2SG	
1	J14	L-KLS1-TDC-001-2.0-T / 694108106102	
1	L1	10mH	
2	SCL,SDA	0.1	Digikey 311-12.0KLTR-ND
1	X1	16MHz CRYSTAL	
1	X2	25MHz CRYSTAL	
Sub-totals:			₺0,00
Totals:			₺0,00

12 Şubat 2021 Cuma 00:34:05