

Bill Of Materials for EFIS Project

Design Title	EFIS Project
Author	
Document Number	
Revision	
Design Created	1 Mayıs 2024 Çarşamba
Design Last Modified	4 Mayıs 2024 Cumartesi
Total Parts In Design	109

17 Capacitors

Quantity	References	Value	PCB Package
2	C1,C2	22pF	0603_CAP
9	C3,C4,C5,C8,C12,C14,C15,C16,C17	100nF	0603_CAP
1	C6	22uF 25V	CAPAE660X540
2	C7,C11	330nF	0805_CAP
1	C9	22uF 16V	CAPAE530X460
1	C10	47uF 25V	CAPAE660X540
1	C13	47uF 16V	CAPAE660X540

Sub-totals:

34 Resistors

Quantity	References	Value	PCB Package
2	R1,R16	10k	0603_RES
2	R2,R13	330	0805_RES
5	R3,R6,R7,R11,R14	2.2k	0805_RES
5	R4,R5,R12,R15,R28	100k	0603_RES
9	R8,R9,R10,R17,R18,R19,R20,R21,R22	2.2k	0603_RES
11	R23,R24,R25,R26,R27,R29,R30,R31,R32,R33,R34	220	0603_RES

Sub-totals:

7 Integrated Circuits

Quantity	References	Value	PCB Package
1	U1	ATMEGA328P	QFP80P900X900X120-32
1	U2	TCA9548APWR	SOP65P640X12024N
1	U3	DS1302	SO8
1	U4	78L05	SOT89
1	U5	7805	DPAK
2	U6,U7	74HC14	SO14

Sub-totals:

2 Transistors

Quantity	References	Value	PCB Package
2	Q1,Q2	BC857A	SOT23

Sub-totals:

20 Diodes

Quantity	References	Value	PCB Package
4	D1,D2,D3,D5	1N4148	SOD80
1	D4	5.1V	SOD80
4	D6,D7,D8,D9	1N4007	DO214
9	D10,D13,D14,D15,D16,D17,D18,D19,D20	RED 3 mm	LED
2	D11,D12	GREEN 3 mm	LED

Sub-totals:

29 Miscellaneous

Quantity	References	Value	PCB Package
1	B1	DS1092-15-B6P	DS109215B6PC
1	J1	IDC 2x3	09181069422
1	J2	JST PH 6 PIN	JST_B6BPHK

7	J3,J5,J6,J7,J8,J9,J10	JST PH 4 PIN	JST_B4BPHK
1	J4	JST PH 8 PIN	JST_B8BPHKS
2	J11,J12	JST XH 2 PIN	JST_B2BXHA
1	L1	~10uH	IND1210
9	RT1,RT3,RT4,RT5,RT6,RT7,RT8,RT9,RT10	100mA	1206
1	RT2	500ma	1206
1	SW1	TACH 6x6x4	TE_18259102
2	VR1,VR2	25V	RESC0603X28
1	X1	20MHz	X2SMD50X32X13MM
1	X2	32.768kHz	ECS327613FLXTR

Sub-totals:

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Totals: