Bill Of Materials for R&D

Design Title R&D
Author Aykut KELEŞ
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Revision 1.0
Design Created 21 Ocak 2022 Cuma
Design Last Modified 8 Şubat 2022 Salı
Total Parts In Design 42

0 Modules

Quantity	References	Value	Stock Code	Unit Cost	PCB Package	Description	Name
Sub-totals:				₺0,00			

11 Capacitors

Quantity	References	Value	Stock Code	Unit Cost	PCB Package	Description	Name
3	C1,C6,C10	10uF	399-C0603C106M7PAC7411CT-ND	₺0,25	0603_CAP	CAP CER 10UF 4V X5R 0603	C0603C106M7PAC7411
4	C2-C3,C7, C11	0.1uF	399-1096-1-ND	₺0,11	0603_CAP	CAP CER 0.1UF 16V X7R 0603	C0603C104K4RACTU
3	C4-C5,C9	1nF	399-C0603C102J5RAC7411CT-ND	₺0,10	0603_CAP	CAP CER 1000PF 50V X7R 0603	C0603C102J5RAC7411
1	C8	10uF	399-3684-1-ND	₺0,37	1206 CAP POLARIZE	CAP TANT 10UF 10% 10V 1206	T491A106K010AT
Sub-totals:				₺1,86			

17 Resistors

Quantity	References	Value	Stock Code	Unit Cost	PCB Package	Description	Name
5	R1,R3,R11, R13,R15	10k	311-10.0KHRCT-ND	₺0,10	0603_RES	RES SMD 10K OHM 1% 1/10W 0603	RC0603FR-0710KL
5	R2,R5,R7, R9,R12	100R	311-100HRCT-ND	₺0,10	0603_RES	RES SMD 100 OHM 1% 1/10W 0603	RC0603FR-07100RL
4	R4,R6,R8, R10	255R	311-255HRCT-ND	₺0,10	0603_RES	RES SMD 255 OHM 1% 1/10W 0603	RC0603FR-07255RL
1	R14	10R	311-10.0HRCT-ND	₺0,10	0603_RES	RES SMD 10 OHM 1% 1/10W 0603	RC0603FR-0710RL
1	R16	1k	311-1.00KHRCT-ND	₺0,10	0603_RES	RES SMD 1K OHM 1% 1/10W 0603	RC0603FR-071KL
1	R17	0R	311-0.0HRCT-ND	₺0,10	0603_RES	RES 0 OHM JUMPER 1/10W 0603	RC0603FR-070RL
Sub-totals:				₺1,70			

2 Integrated Circuits

Quantity	References	Value	Stock Code	Unit Cost	PCB Package	Description	Name
1	U1	ESP32-WROOM-32D	1965-ESP32-WROOM-32D(4MB)CT-ND	₺3,80	ESP32-WROOM-32D-UPDATED	RX TXRX MOD WIFI TRACE ANT SMD	ESP32-WROOM-32D
1	U2	MCP4921-E/MS	MCP4921-E/MS-ND	₺2,19	SOP65P490X110-8N	IC DAC 12BIT V-OUT 8MSOP	MCP4921-E/MS
Sub-totals:				₺5,99			

1 Transistors

Quantity	References	Value	Stock Code	Unit Cost	PCB Package	Description	Name
1	Q1	DMG3414U	DMG3414U-7DICT-ND	₺0,56	SOT23	20V, 4.2A @ 25°C, 1.3W, Single N-Channel HEXFET Power MOSFET in a Micro 3 package	IRLML2502TR
Sub-totals:				₺0,56			

0 Diodes

Quantity	References	Value	Stock Code	Unit Cost	PCB Package	Description	Name
Sub-totals:				₺0,00			

11 Miscellaneous

Quantity	References	Value	Stock Code	Unit Cost	PCB Package	Description	Name
1	BZ1	SMTB-0940-T-3V-R	668-SMTB-0940-T-3V-RCT-ND	₺1,26	SMTB-0940-T-3V-R	BUZZER PIEZO 3V 9X9MM SMD	SMTB-0940-T-3V-R
1	J1	SIL-100-03			SIL-100-03	0.1in pitch header block	SIL-100-03
1	J2	M20-7920242R	952-3202-1-ND	₺0,99	M207920242R	CONN RCPT 4POS 0.1 GOLD SMD R/A	M20-7920242R

1	J3	687112149022	687112149022		₺1,07	687112149022	CONN .5MM HORZ BOTTOM SMD 12POS	687112149022
1	J4	690367280476	732-1964-1-ND		₺0,59	690367280476	CONN RCPT 4POS 0.1 TIN SMD	690367280476
4	LD1-LD4	155124M173200	732-11414-1-ND		₺0,50	155124M173200	LED RGB CLEAR 1204 SMD R/A	155124M173200
1	S1	450404015514	732-13665-1-ND		₺0,75	450404015514	MINI SLIDE SWITCH 6.7 X 2.7 MM.	450404015514
1	S3	434153017835	732-10143-1-ND		₺0,56	434153017835	SWITCH TACTILE SPST-NO 0.05A 12V	434153017835
Sub-totals:					₺7,22			
Totals:					₺17,33			

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