

Bill Of Materials for EKG HOLTER

Design Title	EKG HOLTER
Author	Muhammed Güler
Document Number	001
Revision	1.2
Design Created	Friday, October 27, 2023
Design Last Modified	Friday, November 3, 2023
Total Parts In Design	137

0 Modules

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
Sub-totals:				\$0.00

42 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
3	C1,C37,C41	GRM31CR61A107MEA8L	<u>490-GRM31CR61A107MEA8LCT-ND</u>	\$0.29
17	C2,C4,C7,C11,C13,C18,C20-C22,C31,C33-C34,C36,C38-C40,C42	CL10B104KB8NNWC	<u>1276-1935-1-ND</u>	\$0.02
1	C3	CL10B102KB8NNNC	<u>1276-1018-1-ND</u>	\$0.03
2	C5-C6	CL10C220JB81PNC	<u>1276-2226-1-ND</u>	\$0.04
2	C8-C9	CL10C040CB8NNNC	<u>1276-1789-1-ND</u>	\$0.03
11	C10,C12,C14,C16,C19,C25-C27,C30,C32,C35	GRM188R61E106KA73J	<u>490-GRM188R61E106KA73JCT-ND</u>	\$0.16
6	C15,C17,C23-C24,C28-C29	TMK107ABJ225KA-T	<u>587-2909-1-ND</u>	\$0.12
Sub-totals:				\$3.80

46 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
15	R1-R5,R7,R12-R13,R15-R16,R34,R37,R43,R45-R46	10k	<u>13-RC0603FR-1010KLCT-ND</u>	\$0.01
3	R6,R26,R35	0R	<u>311-0.0GRCT-ND</u>	\$0.01
1	R8	10M	<u>311-10MGRCT-ND</u>	\$0.01
4	R9,R11,R42,R44	220	<u>311-220HRCT-ND</u>	\$0.01
5	R10,R20,R27-R28,R31	330	<u>13-RC0603FR-10330RLCT-ND</u>	\$0.01
5	R14,R17,R36,R38,R40	22.6k	<u>311-22.6KHRCT-ND</u>	\$0.01
6	R18-R19,R32-R33,R39,R41	100k	<u>13-RC0603FR-10100KLCT-ND</u>	\$0.01
5	R21-R25	CRCW120622K0FKEAHP	<u>541-22.0KUCT-ND</u>	\$0.11
2	R29-R30	1M	<u>13-RC0603FR-131MLCT-ND</u>	\$0.01
Sub-totals:				\$0.94

8 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	U1	ADS1293CISQ_NOPB	<u>296-39852-1-ND</u>	\$16.02
1	U2	MCP7940NT-I_SN	<u>MCP7940NT-I/SNCT-ND</u>	\$0.85
1	U3	XC6193AA10ER-G	<u>893-XC6193AA10ER-GCT-ND</u>	\$0.88
1	U4	ESP32-S3-WROOM-1	<u>1965-ESP32-S3-WROOM-1-N8CT-ND</u>	\$3.20
1	U5	M24C16-RMN6TP		
1	U6	MAX77751CEFG	<u>175-MAX77751CEFG+-ND</u>	\$3.61
1	U7	TLV62568PDDCR	<u>296-50491-1-ND</u>	\$0.38
1	U8	MIC2876-AYMT-TR	<u>MIC2876-AYMT-CT-ND</u>	\$0.97
Sub-totals:				\$25.91

5 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	Q1	SSM3J328R_LF	SSM3J328RLFCT-ND	\$0.39
4	Q2-Q5	NX138BKR	1727-2662-1-ND	\$0.21
Sub-totals:				\$1.23
1 Diodes				
<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	D1	CUS520_H3F	CUS520H3FCT-ND	\$0.20
Sub-totals:				\$0.20
35 Miscellaneous				
<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	BAT1	BK-869	BK-869-ND	\$0.56
1	BAT2	SWR25X-NRTC-S02-RB-BA	S9499-ND	\$0.15
1	BATA1	SWH25X-NULC-S02-UU-BA	S9435-ND	\$0.03
2	BATB1-BATB2	SWT25X-URTC-S01-UU-UU	S9473CT-ND	\$0.06
2	BTN1-BTN2	TS14-1212-100-BK-160-SCR-D	2223-TS14-1212-100-BK-160-SCR-D-ND	\$0.24
2	BTNN1-BTNN2	PTS647SK38SMTR2LFS	PTS647SK38SMTR2LFSCT-ND	\$0.20
1	BUZZER1	SMT-0825-S-HT-R	668-SMT-0825-S-HT-RCT-ND	\$1.13
5	ECG1-ECG5	DIN 42802-1	DIN42802-1	\$5.00
5	ESD1-ESD5	ESD03A5V5R17V	ESD03A5V5R17VCT-ND	\$0.18
3	L1,L3,L5	BLM18KG102SN1D	490-17349-1-ND	\$0.10
3	L2,L4,L6	SRP3212A-3R3M	118-SRP3212A-3R3MCT-ND	\$0.27
1	LED1	B38G3RGB-10D0003H2U1930	3147-B38G3RGB-10D0003H2U1930CT-ND	\$0.11
1	NTC1	NCU18XH103E60RB	490-18164-1-ND	\$0.06
1	PROG1	61300611121	732-5319-ND	\$0.30
1	SD1	0475710001	WM9731CT-ND	\$1.15
1	TVS1	USBL06-2SC6	497-5235-1-ND	\$0.61
1	TVS2	EMIF06-MSD02N16	497-8751-1-ND	\$1.12
1	USB1	USB4105GFA	2073-USB4105-GF-ACT-ND	\$0.81
1	X1	SC32S-7PF20PPM	728-1074-1-ND	\$0.38
1	X2	ABLS-4	535-14922-1-ND	\$0.24
Sub-totals:				\$34.66
Totals:				\$66.74

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