

# Bill Of Materials for NVT\_DENEY\_KARTI\_V1\_REV2

**Design Title** NVT\_DENEY\_KARTI\_V1\_REV2  
**Author**  
**Document Number**  
**Revision**  
**Design Created** 7 Şubat 2023 Salı  
**Design Last Modified** 7 Şubat 2023 Salı  
**Total Parts In Design** 79

## 0 Modules

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>
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Sub-totals:

## 16 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>
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1	C1	220nF	CAP10
7	C2,C6-C7,C11,C13,C15-C16	100nF	CAP10
3	C3-C4,C14	10uF	ELEC-RAD13
1	C5	1uf	cap10
2	C8-C9	22pF	1206
1	C10	1uF	CAP10
1	C12	10nF	CAP10

Sub-totals:

## 22 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>
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1	R1	470	RES40
8	R2-R9	220	RES40
4	R10-R12,R20	10k	RES40
2	R13-R14	100k	RES40
2	R15,R17	4k7	RES40
1	R16	1.2K	RES40
4	R18-R19,R21-R22	1k	RES40

Sub-totals:

## 4 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>
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1	U1	LM1117MP-3,3	SOT230P700X180-4
1	U2	PC817	DIL04
1	U3	M031FB0AE	TSSOP-DIL20
1	U4	CH340G	SOP16

Sub-totals:

## 2 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>
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2	Q1-Q2	BC337	TO92
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Sub-totals:

## 19 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>
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10	D1-D9,D12	LED	LED
1	D10	7_SEG_CC_14MM	7_SEG_14MM_CC_DISPLAY_FOOTPRNT
3	D11,D15-D16	1N5817	DO41
2	D13-D14	1N4001	DO41
3	D17-D19	SMAJ7.0A	DO214

Sub-totals:

## 16 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>
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1	BUZ1	BUZZER	HPA13A
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1	IN1	TBLOCK-I2	TBLOCK-I2
3	INT0-INT1,RESET	6x6 2 pin tach buton	BUTON_2
2	J3-J4	CONN-H15	CONN-SIL15
1	J-LED	CONN-SIL3	CONN-SIL3
1	L1	30R FERRITE BEAD	0805
1	PRG	CONN-SIL5	CONN-SIL5
1	RL1	G5CLE-14-DC5	RLY-OMRON-C4
1	RL OUT	TBLOCK-I3	TBLOCK-I3
1	RV1	10K	PRE-HMIN
1	S1	2_PIN_DIP_SWITCH	2_PIN_DIP_SWITCH
1	USB	CONN-H4	USB-B
1	X1	12MHz	XTAL18

Sub-totals:

Totals:

7 Şubat 2023 Salı 23:41:51