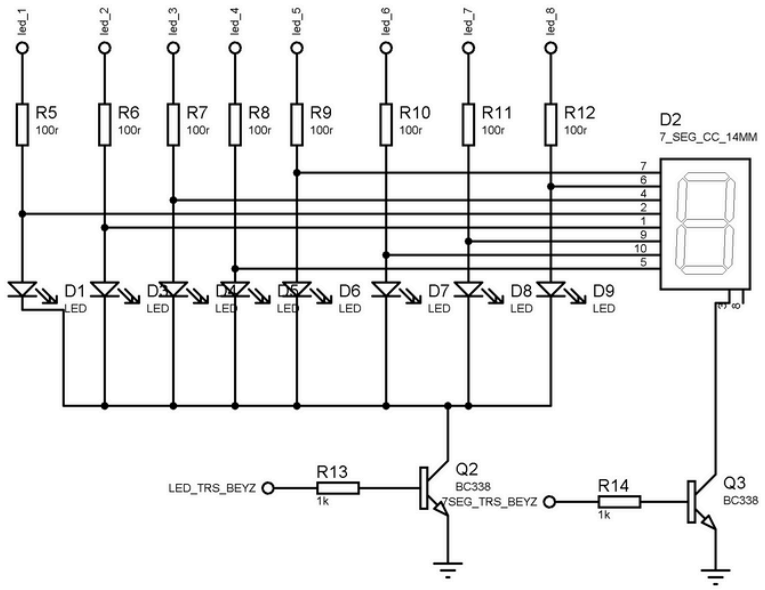
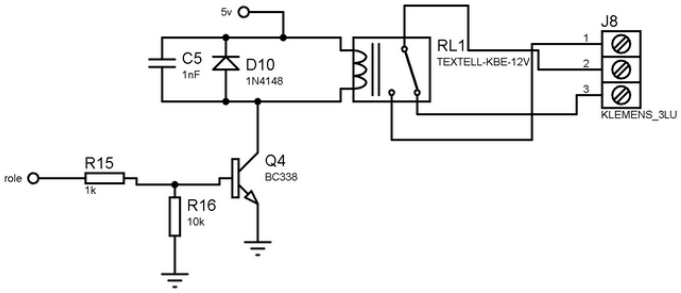
ASELSAN
MTAL

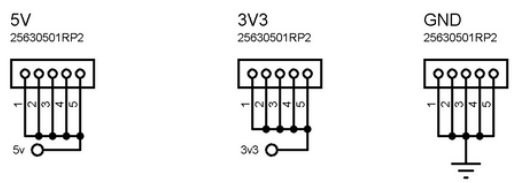
ARALIK 2024

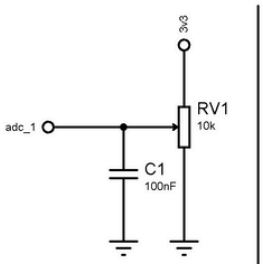
STM32 MİKRO DENETLEYİCİ KARTI

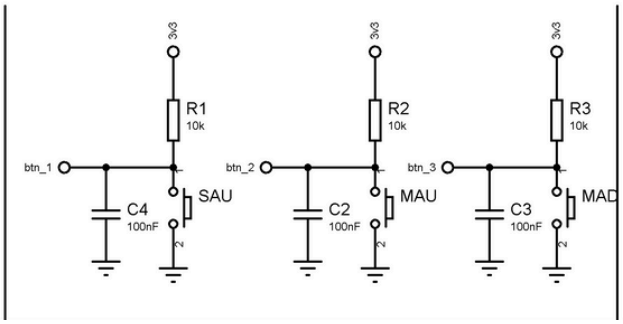
MUHAMMED COŞKUN
11/B 458

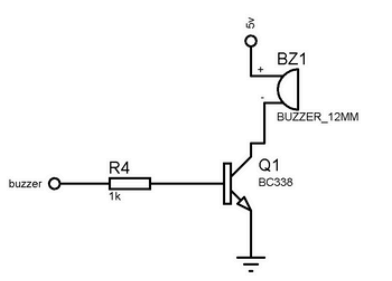

led_1
led_2
led_3
led_4
led_5
led_6
led_7
led_8
R5 100r
R6 100r
R7 100r
R8 100r
R9 100r
R10 100r
R11 100r
R12 100r
D2
7_SEG_CC_14MM
D1 LED
D6 LED
D7 LED
D8 LED
D9 LED
LED_TRS_BEYZ
R13 1k
Q2 BC338
7SEG_TRS_BEYZ
R14 1k
Q3 BC338

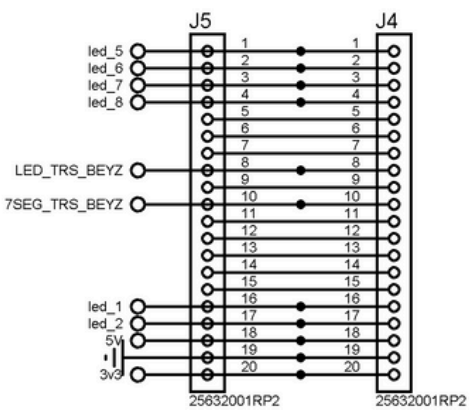

5v
C5 1nF
D10 1N4148
RL1 TEXTELL-KBE-12V
J8
KLEMENS_3LU
role
R15 1k
Q4 BC338
R16 10k

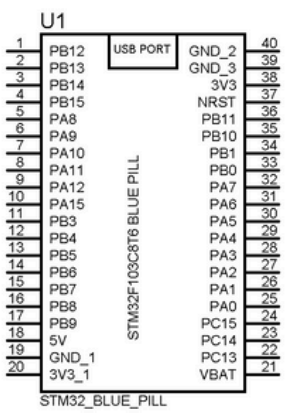

5V
25630501RP2
5v
3V3
25630501RP2
3v3
GND
25630501RP2

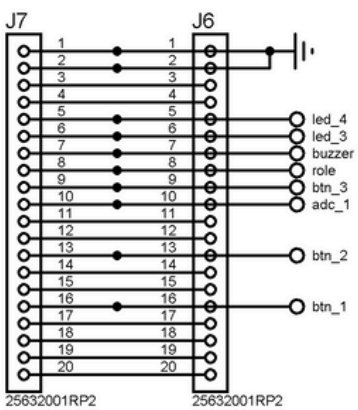

3v3
adc_1
RV1 10k
C1 100nF

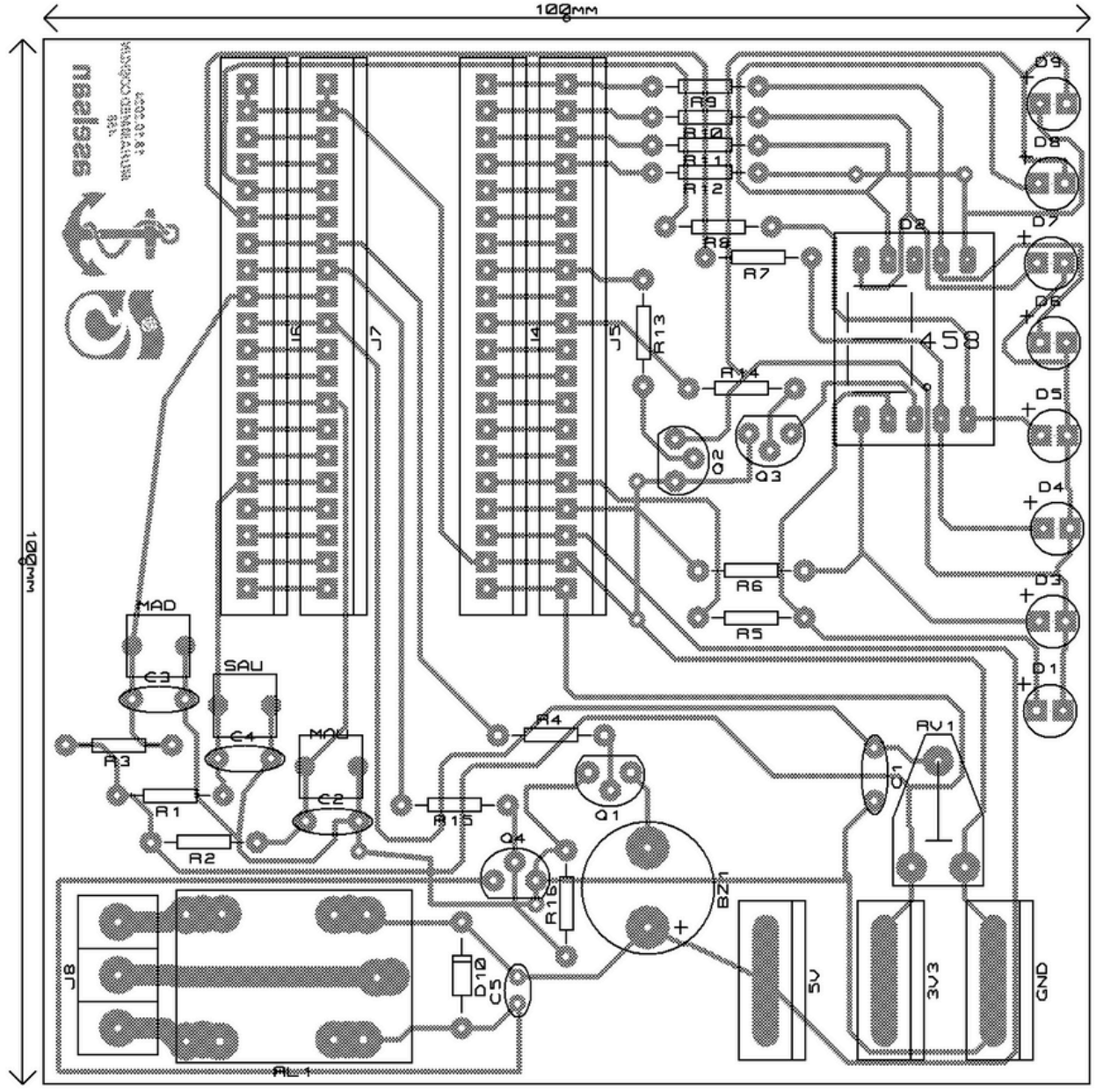

3v3
btn_1
R1 10k
C4 100nF
SAU
btn_2
R2 10k
C2 100nF
MAU
btn_3
R3 10k
C3 100nF
MAD

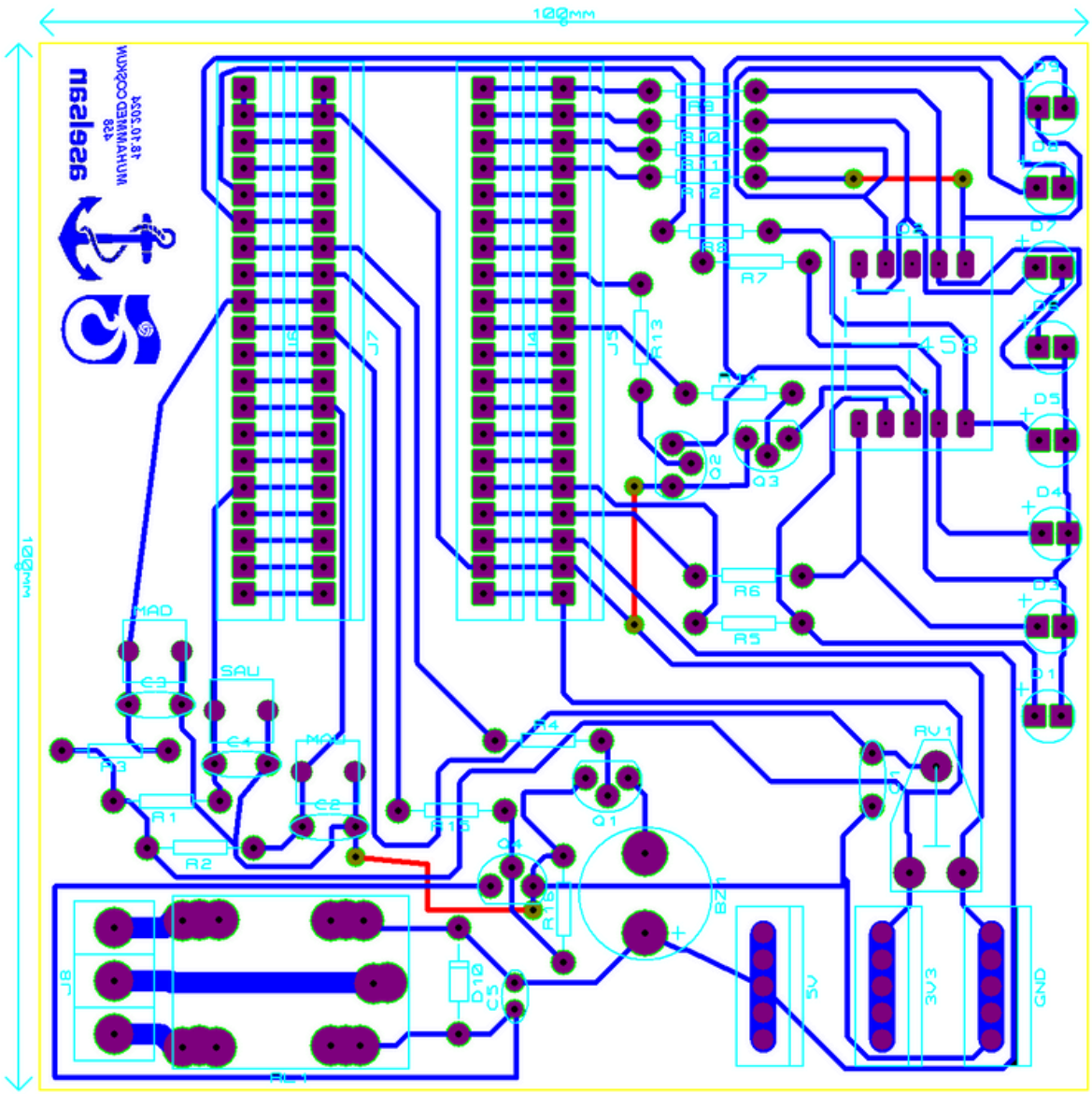

5v
BZ1
BUZZER_12MM
buzzer
R4 1k
Q1 BC338

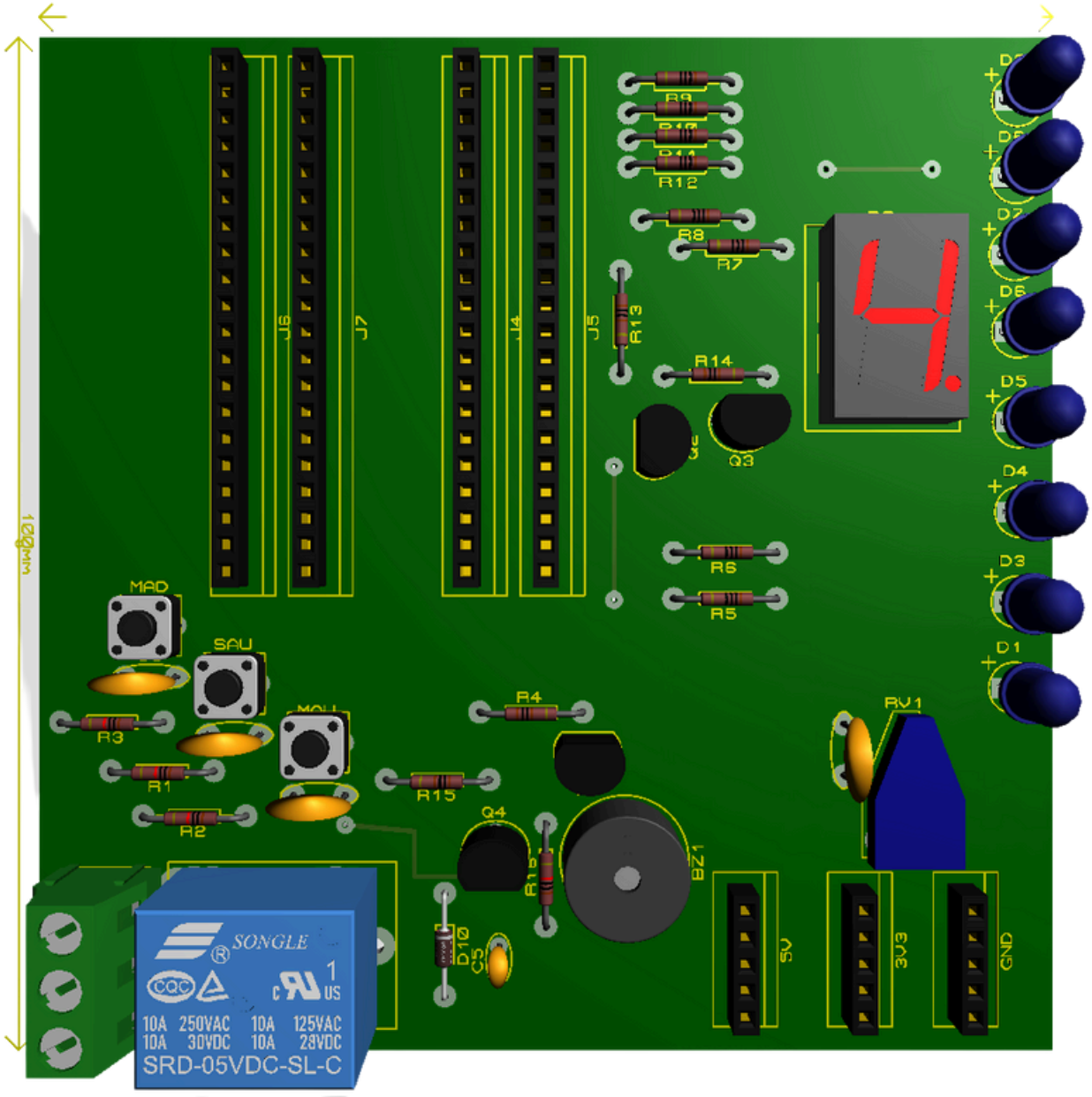

J5
J4
led_5
led_6
led_7
led_8
LED_TRS_BEYZ
7SEG_TRS_BEYZ
led_1
led_2
5V
3V3
25632001RP2
25632001RP2

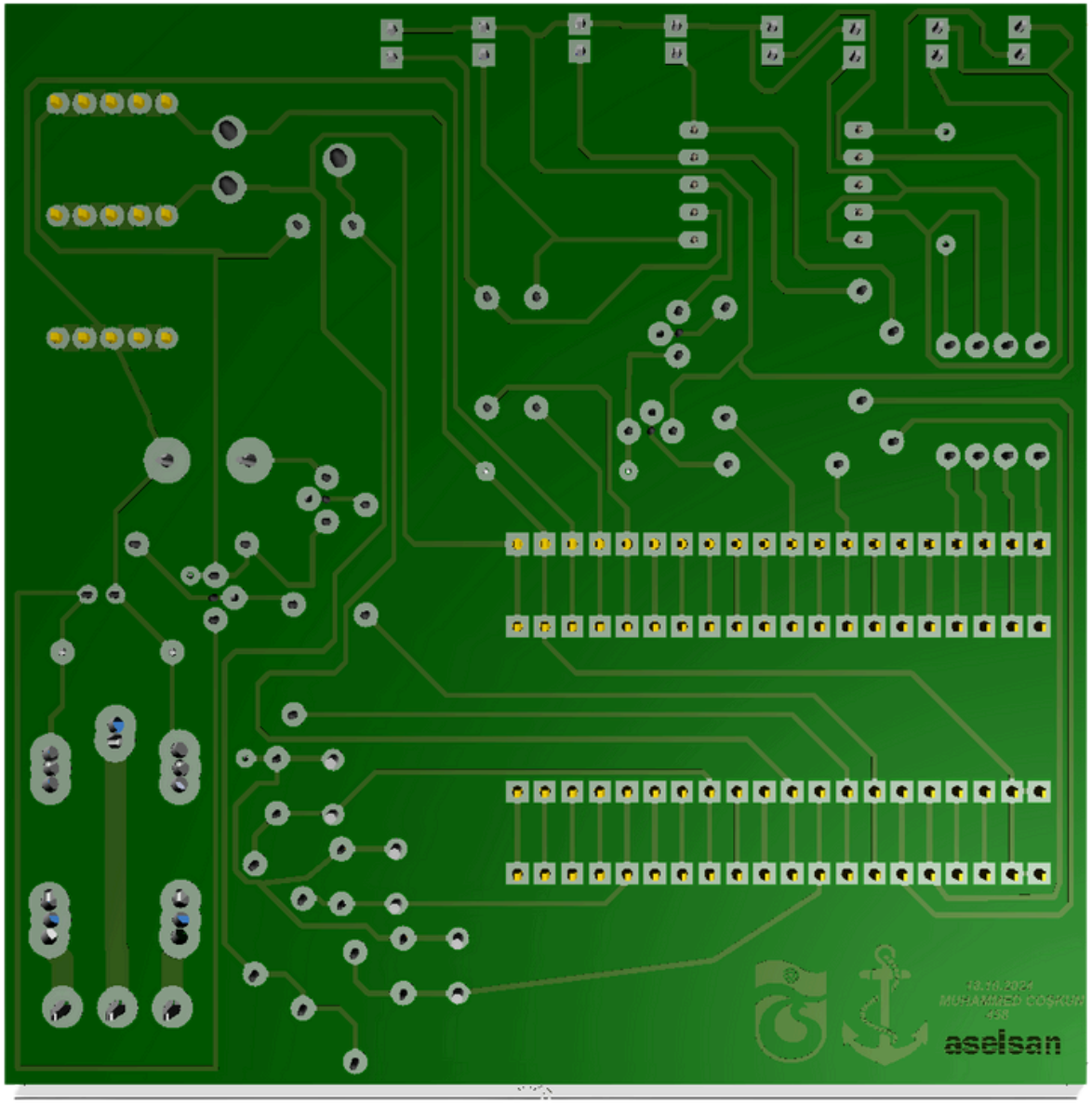

U1
USB PORT
PB12
PB13
PB14
PB15
PA8
PA9
PA10
PA11
PA12
PA15
PB3
PB4
PB5
PB6
PB7
PB8
PB9
5V
GND_1
3V3_1
GND_2
GND_3
3V3
NRST
PB11
PB10
PB1
PB0
PA7
PA6
PA5
PA4
PA3
PA2
PA1
PA0
PC15
PC14
PC13
VBAT
STM32F103C8T6 BLUE PILL
STM32_BLUE_PILL


J7
J6
led_4
led_3
buzzer
role
btn_3
adc_1
btn_2
btn_1
25632001RP2
25632001RP2


100mm
100mm
MAD
SAU
MAU
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15
R16
C1
C2
C3
C4
C5
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
Q1
Q2
Q3
Q4
BZ1
RV1
J4
J5
J6
J7
J8
5V
3V3
GND
458


100mm
100mm
J8
J7
J6
J5
J4
J3
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15
R16
C1
C2
C3
C4
C5
D10
Q1
Q2
Q3
Q4
BZ1
RV1
5V
3V3
GND
SAU
MAD
MOY
458


J6
J7
J4
J5
R9
R12
R8
R7
R13
R14
Q3
R6
R5
MAD
SAU
R3
R1
R2
R4
R15
Q4
BZ1
RV1
D10
5V
3V3
GND
SONGLE
10A 250VAC 10A 125VAC
10A 30VDC 10A 28VDC
SRD-05VDC-SL-C


13.10.2024
MUHAMMED COŞKUN
ASELSAN

Bill Of Materials for 458

Design Title 458
Author
Document Number
Revision
Design Created 18 Ekim 2024 Cuma
Design Last Modified 27 Aralık 2024 Cuma
Total Parts In Design 50

0 Modules

Quantity	References	Value	Stock Code	Unit Cost
Sub-totals:				₺0,00

5 Capacitors

Quantity	References	Value	Stock Code	Unit Cost
4	C1-C4	100nF		
1	C5	1nF		
Sub-totals:				₺0,00

16 Resistors

Quantity	References	Value	Stock Code	Unit Cost
4	R1-R3,R16	10k		
4	R4,R13-R15	1k		
8	R5-R12	100r		
Sub-totals:				₺0,00

1 Integrated Circuits

Quantity	References	Value	Stock Code	Unit Cost
1	U1	STM32_BLUE_PILL		
Sub-totals:				₺0,00

4 Transistors

Quantity	References	Value	Stock Code	Unit Cost
4	Q1-Q4	BC338		
Sub-totals:				₺0,00

10 Diodes

Quantity	References	Value	Stock Code	Unit Cost
8	D1,D3-D9	LED		
1	D2	7_SEG_CC_14MM		
1	D10	1N4148		
Sub-totals:				₺0,00

14 Miscellaneous

Quantity	References	Value	Stock Code	Unit Cost
3	3V3,5V,GND	25630501RP2	NorComp 25630501RP2	
1	BZ1	BUZZER_12MM		
4	J4-J7	25632001RP2	NorComp 25632001RP2	
1	J8	KLEMENS_3LU		
3	MAD,MAU,SAU			
1	RL1	TEXTELL-KBE-12V		
1	RV1	10k	Digikey 3005P-101-ND	
Sub-totals:				₺0,00

Totals: ₺0,00

27 Aralık 2024 Cuma 12:06:36