

RFID_DACS-01

V1.0

10/31/2016

DRAFT

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DESIGN CONSIDERATIONS

DESIGN NOTE:
Example text for informational design notes.

DESIGN NOTE:
Example text for critical design notes.

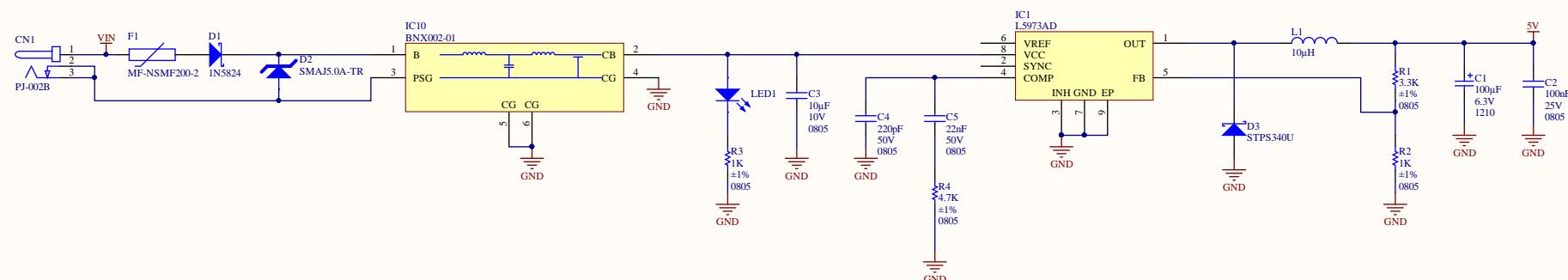
DESIGN NOTE:
Example text for cautionary design notes.

LAYOUT NOTE:
Example text for critical layout guidelines.

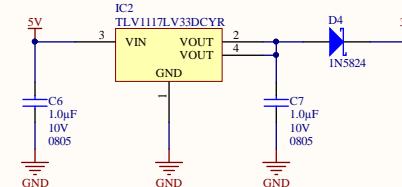
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COVER		
Size	Number	Revision
A3	0	V1.0
Date:	10/31/2016	Sheet of 16
File:	E:\PROJECTS\RFID_DACS-01\COVER.DWG	Revised By: AYTAC DILEK

1 2 3 4 5 6 7 8

A A



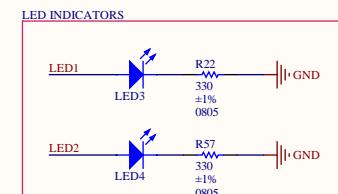
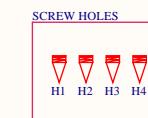
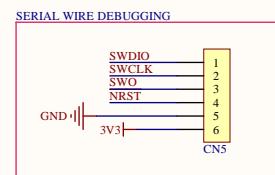
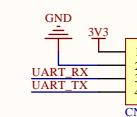
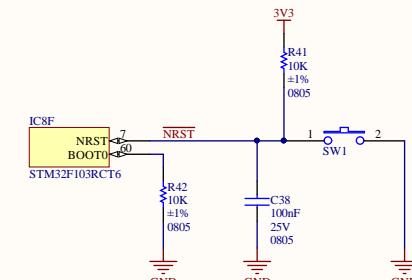
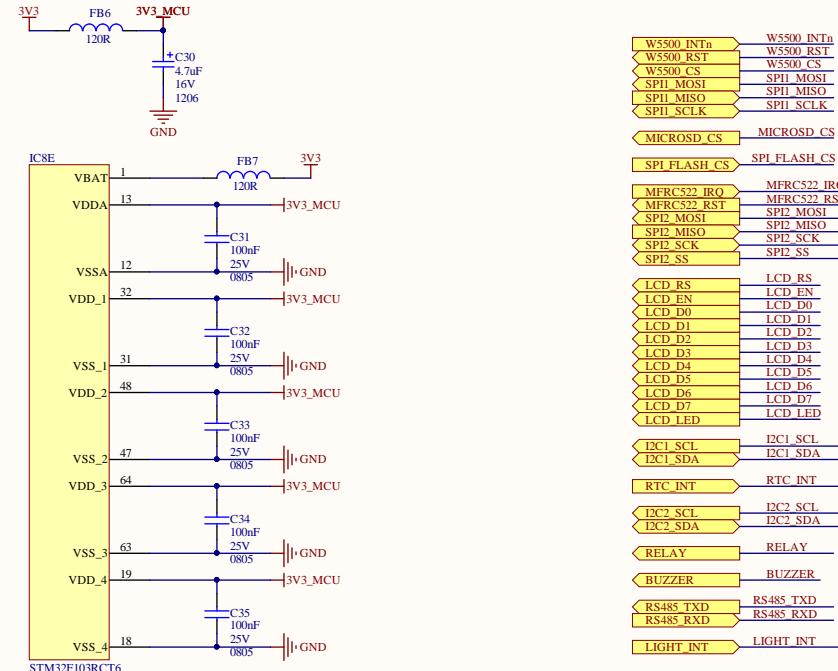
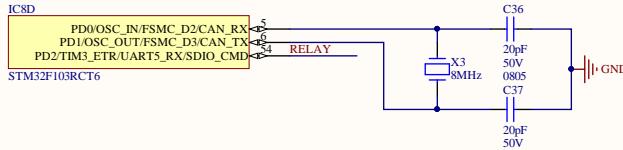
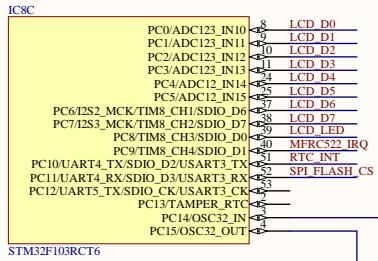
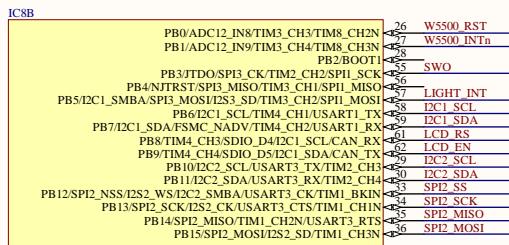
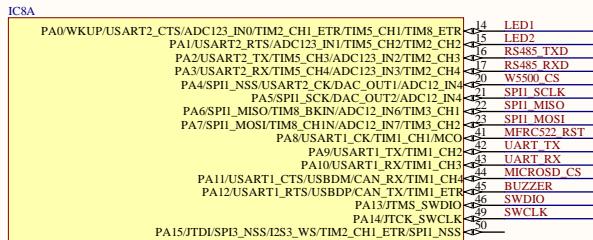
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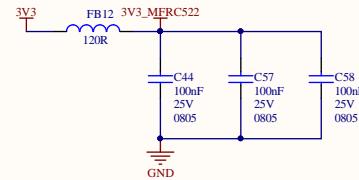
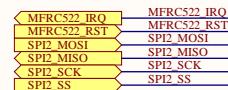
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Date:	10/31/2016	Sheet of 16
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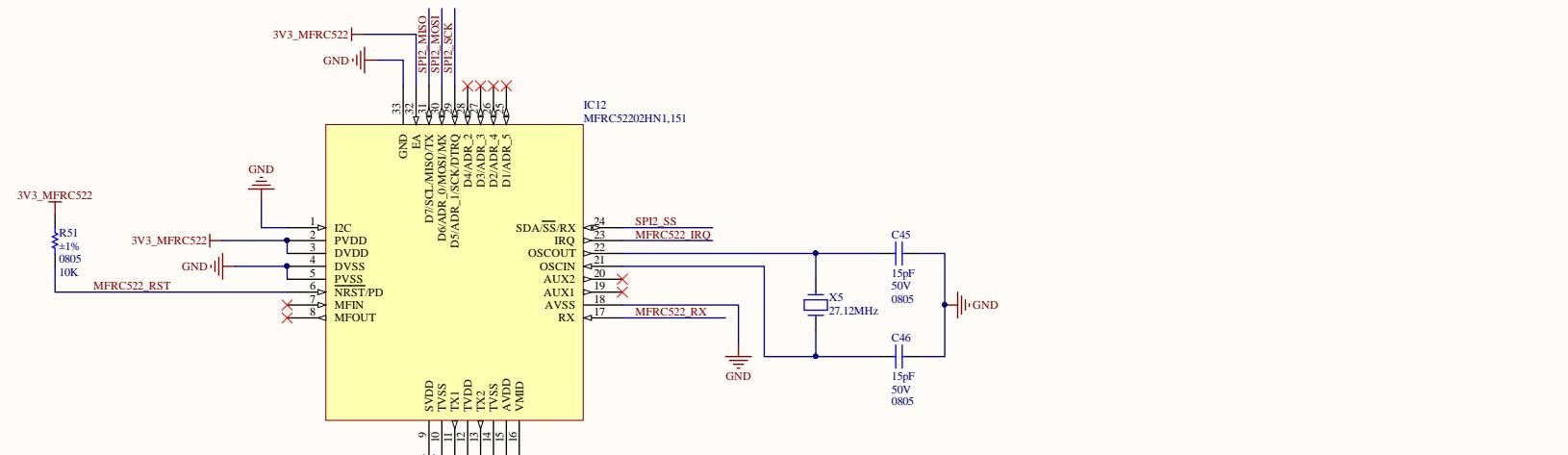
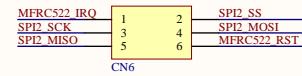
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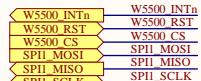
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Size	Number	Revision
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Date:	10/31/2016	Sheet of 16
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TEST POINTS



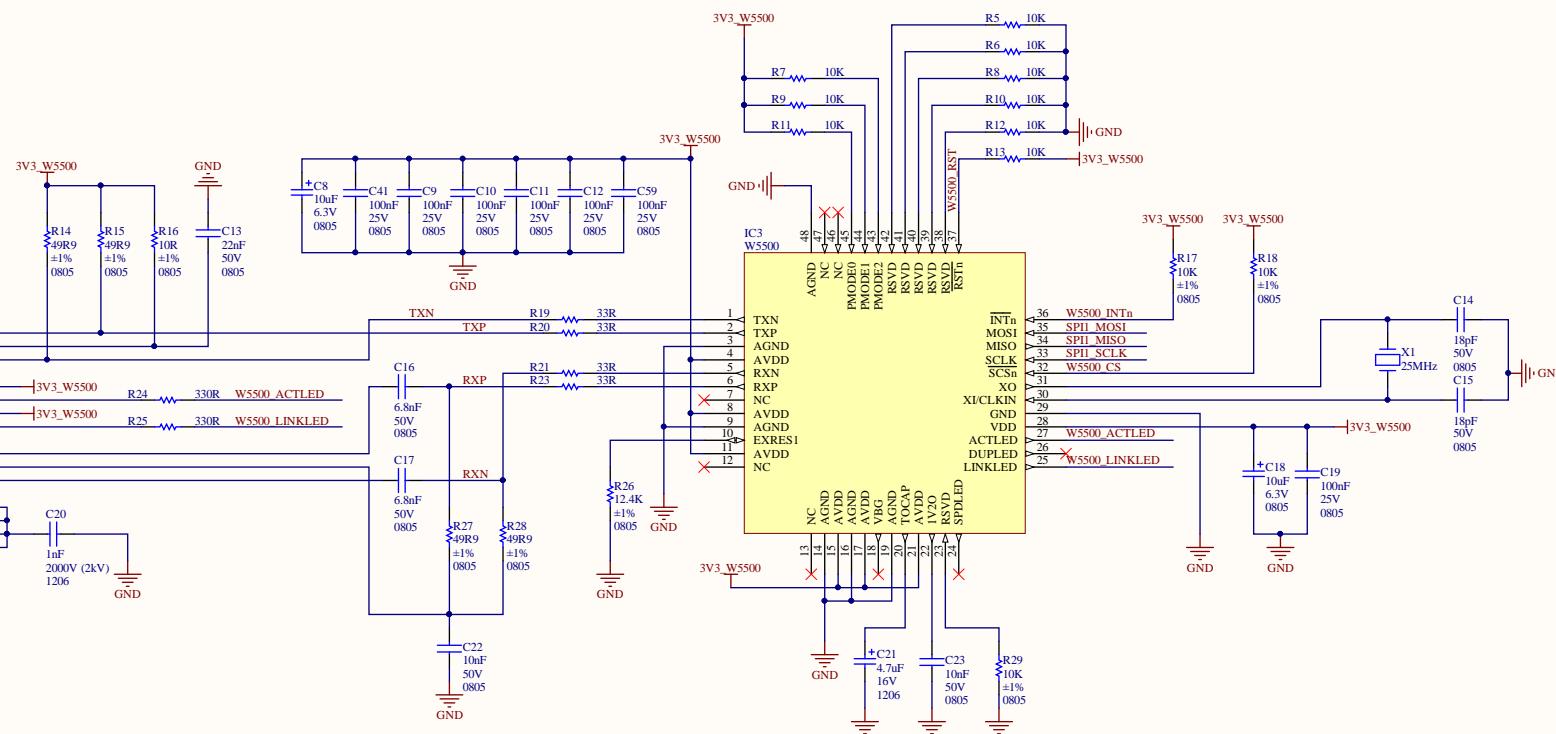
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Size	Number	Revision
A3	3	V1.0
Date:	10/31/2016	Sheet of 16
File:	E:\PROJECTS\RFID_DACS-013\RFID_Sch	Drawn By: AYTAC DILEK



3V3
FB1
120R
3V3_W5500

A

A



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Title: ETHERNET		
Size: A3	Number: 4	Revision: V1.0
Date: 10/31/2016	Sheet of 16	
File: E:\PROJECTS\4.ETHERNET.SchDoc	Drawn By: AYTAC DILEK	

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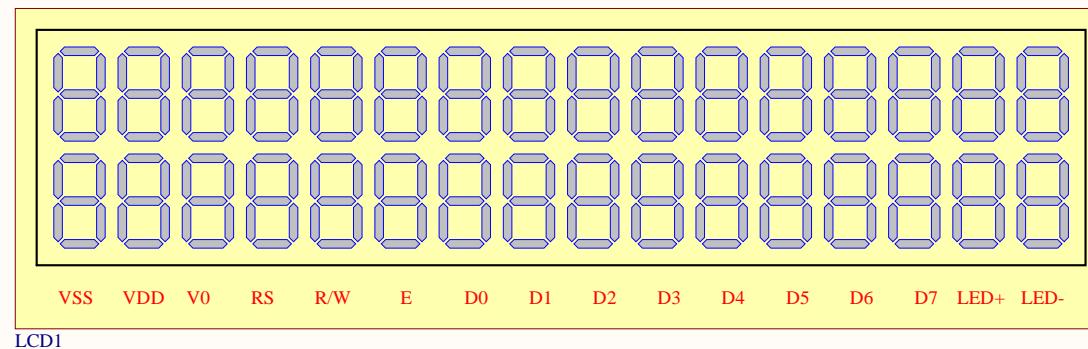
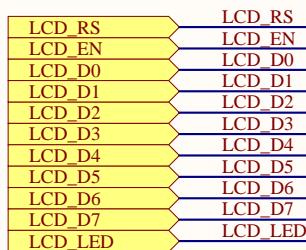
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D

D

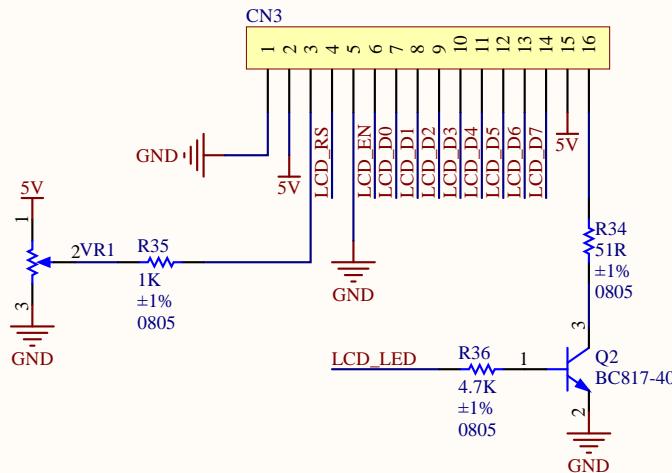
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Size A	Number 5	Revision V1.0
Date: 10/31/2016	Sheet of 16	
File: E:\PROJECTS\RFID_DACS-01\5.WIFI.dwg	Drawn By:	AYTAC DILEK

A



B

A



C

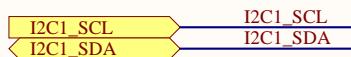
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D

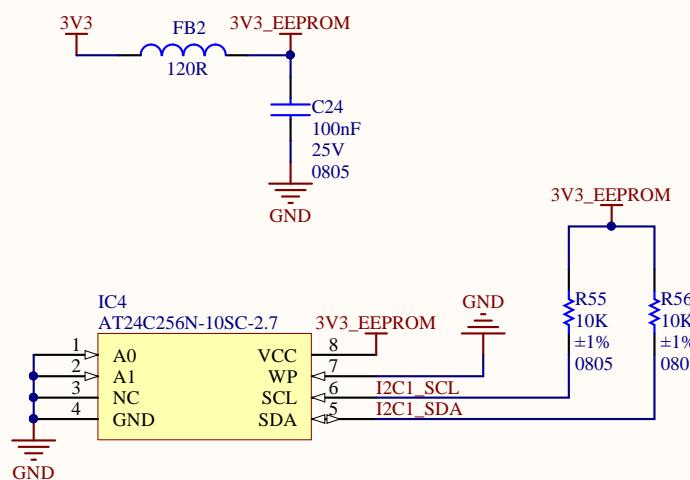
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Title CHARACTER LCD		
Size A	Number 6	Revision V1.0
Date:	10/31/2016	Sheet of 16
File:	E:\PROJECTS\RFID_DACS-01\6.CLCD	Sohd By: AYTAC DILEK

A



B



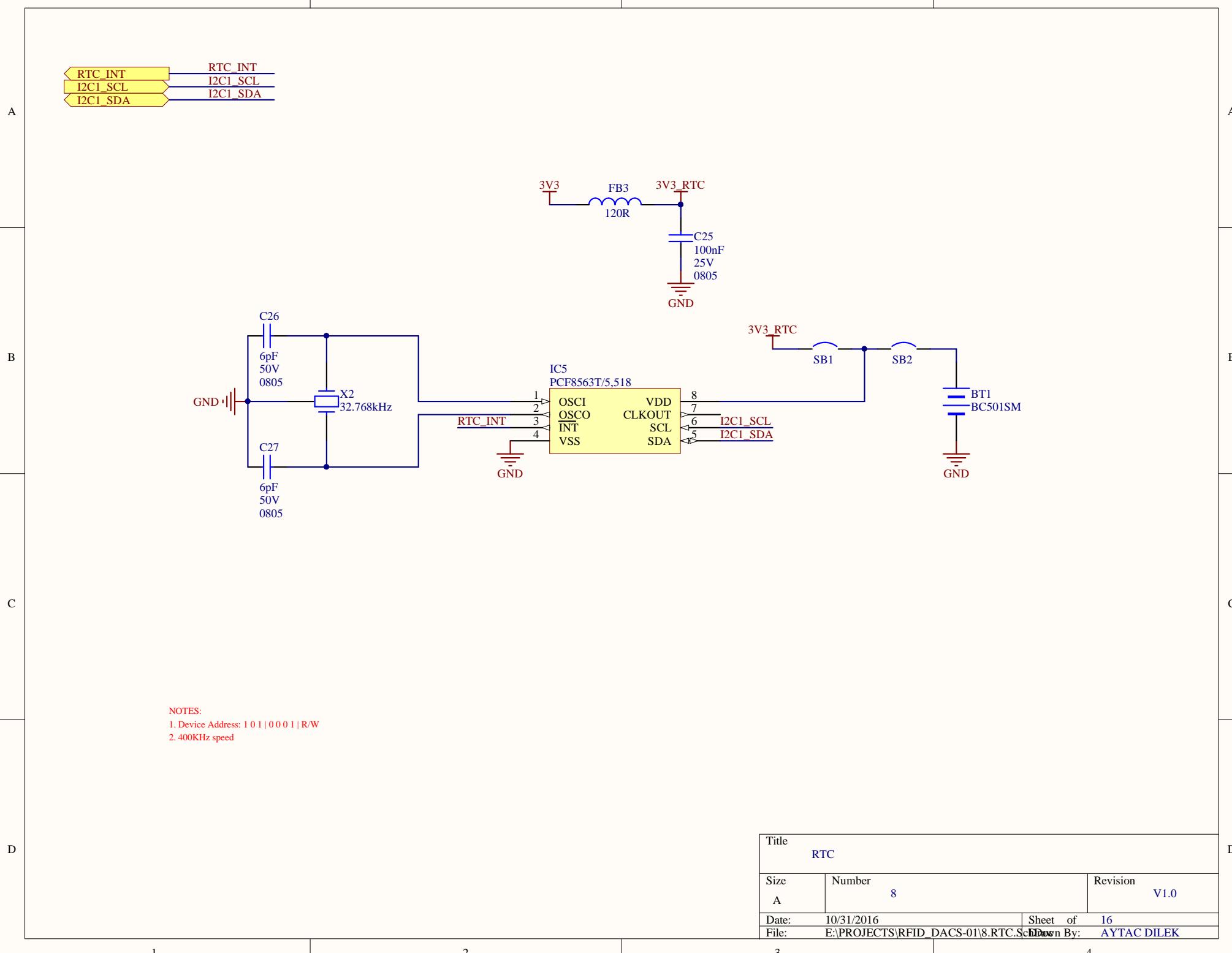
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NOTES:

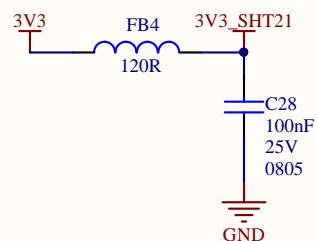
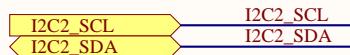
1. Device Address: 1 0 1 | 0 0 A1 A0 | R/W
2. 400KHz speed

D

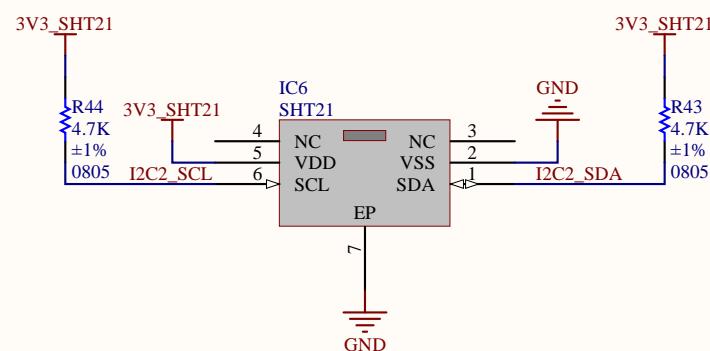
Title EEPROM		
Size A	Number 7	Revision V1.0
Date:	10/31/2016	Sheet of 16
File:	E:\PROJECTS\..\7.EEPROM.SchDoc	Drawn By: AYTAC DILEK



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NOTES:

1. Device Address: 1 0 0 | 0 0 0 | R/W
2. 400KHz speed

Title

TEMPERATURE AND HUMIDITY SENSOR

Size
ANumber
9Revision
V1.0

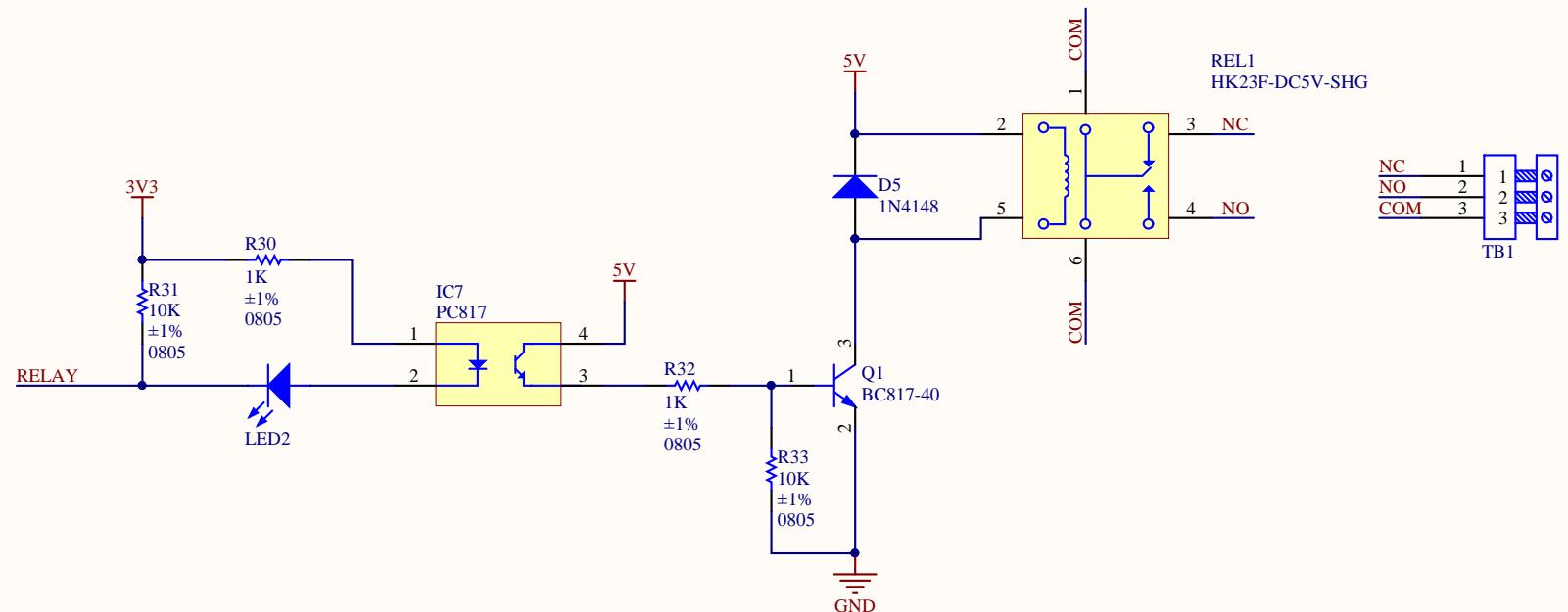
Date: 10/31/2016

Sheet of
16

File: E:\PROJECTS\RFID_DACS-01\9.TEMP.SchDoc By: AYTAC DILEK

A

A

 RELAY


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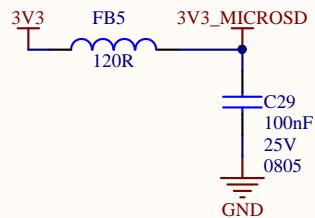
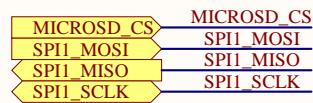
C

D

D

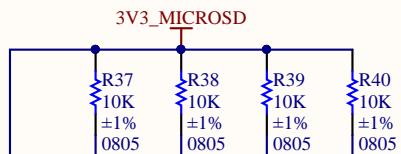
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Size A	Number 10	Revision V1.0
Date: 10/31/2016	Sheet of 16	
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A

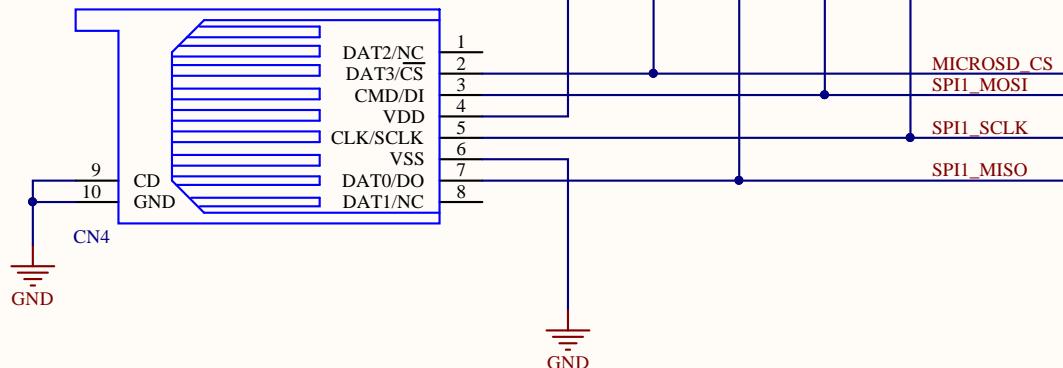


B

3V3_MICROSD



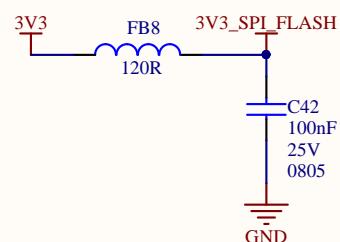
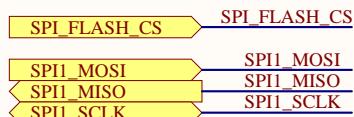
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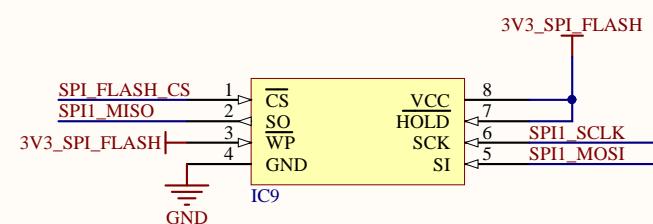
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Title MICRO-SD			
Size A	Number 11	Revision V1.0	
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A



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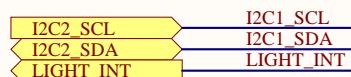


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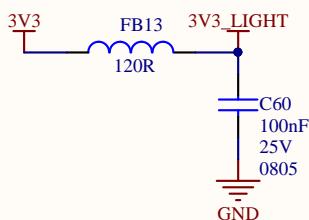
D

Title			
Size A		Number 12	Revision V1.0
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A

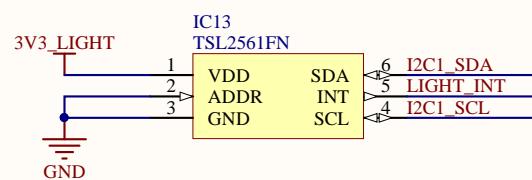


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C

NOTES:

1. Device Address: 0 1 0 | 1 0 0 1 | R/W
2. 400KHz speed

D

D

Title LIGHT SENSOR		
Size A	Number 13	Revision V1.0
Date: 10/31/2016		Sheet of 16
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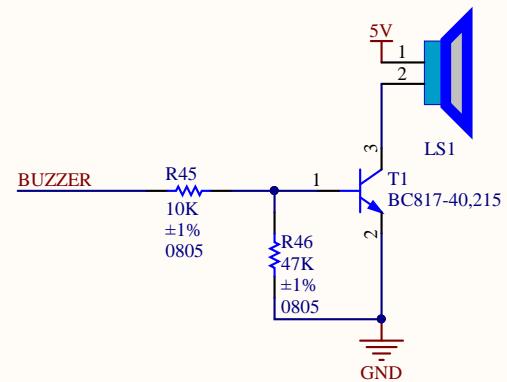
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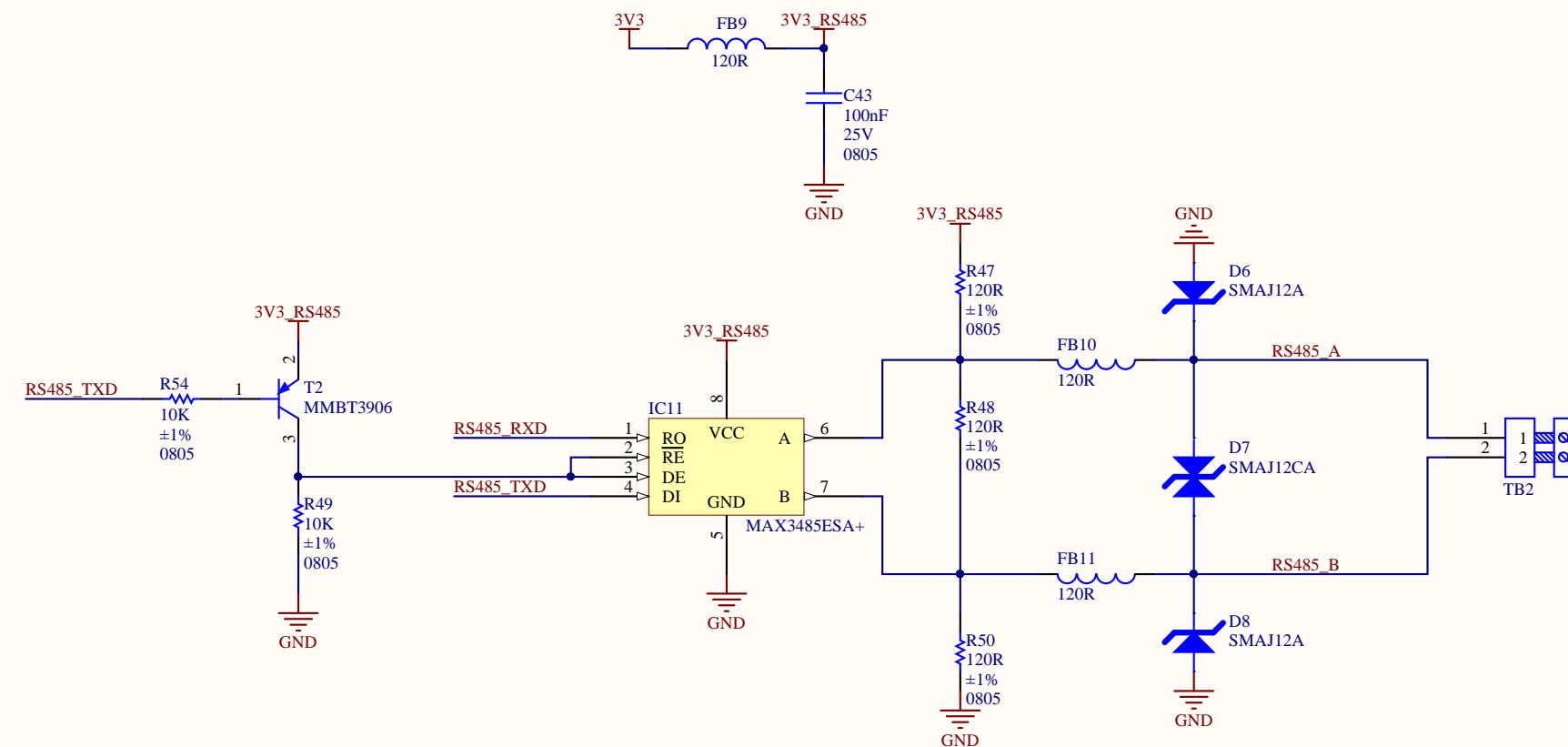
C

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Title BUZZER		
Size A	Number 14	Revision V1.0
Date: 10/31/2016	Sheet of 16	
File: E:\PROJECTS\..\14.BUZZER.SchDoc	Drawn By:	AYTAC DILEK

A

**NOTES:**

RTS_RS | Driver Status

LOW | Transmitter disabled (HiZ output), Receiver enabled

HIGH | Transmitter enabled, Receiver disabled (HiZ output)

Title

RS485

Size

A

Number

15

Revision

V1.0

Date:

10/31/2016

Sheet of

16

File:

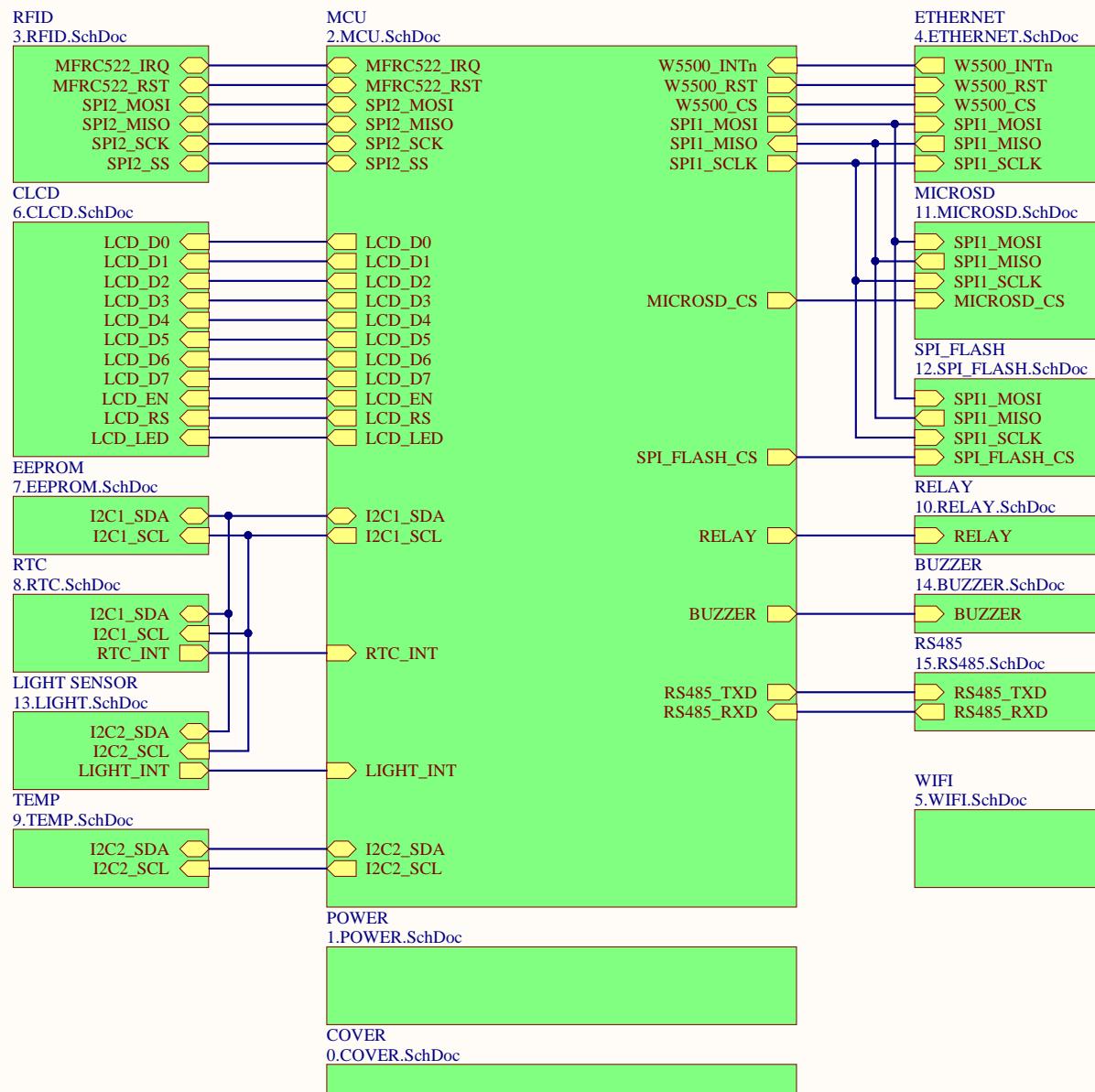
E:\PROJECTS\15.RS485.SchDoc

Drawn By:

AYTAC DILEK

A

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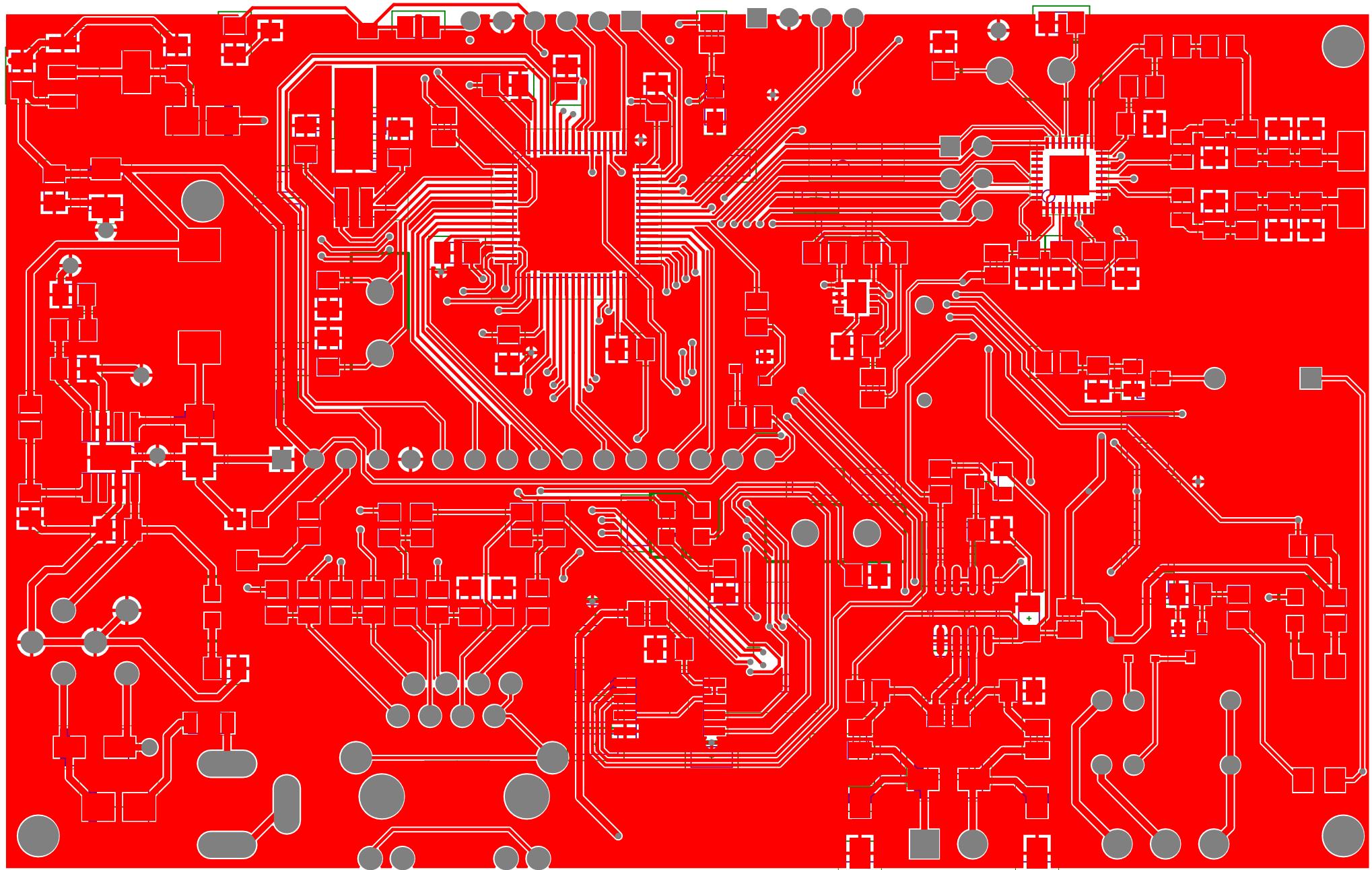
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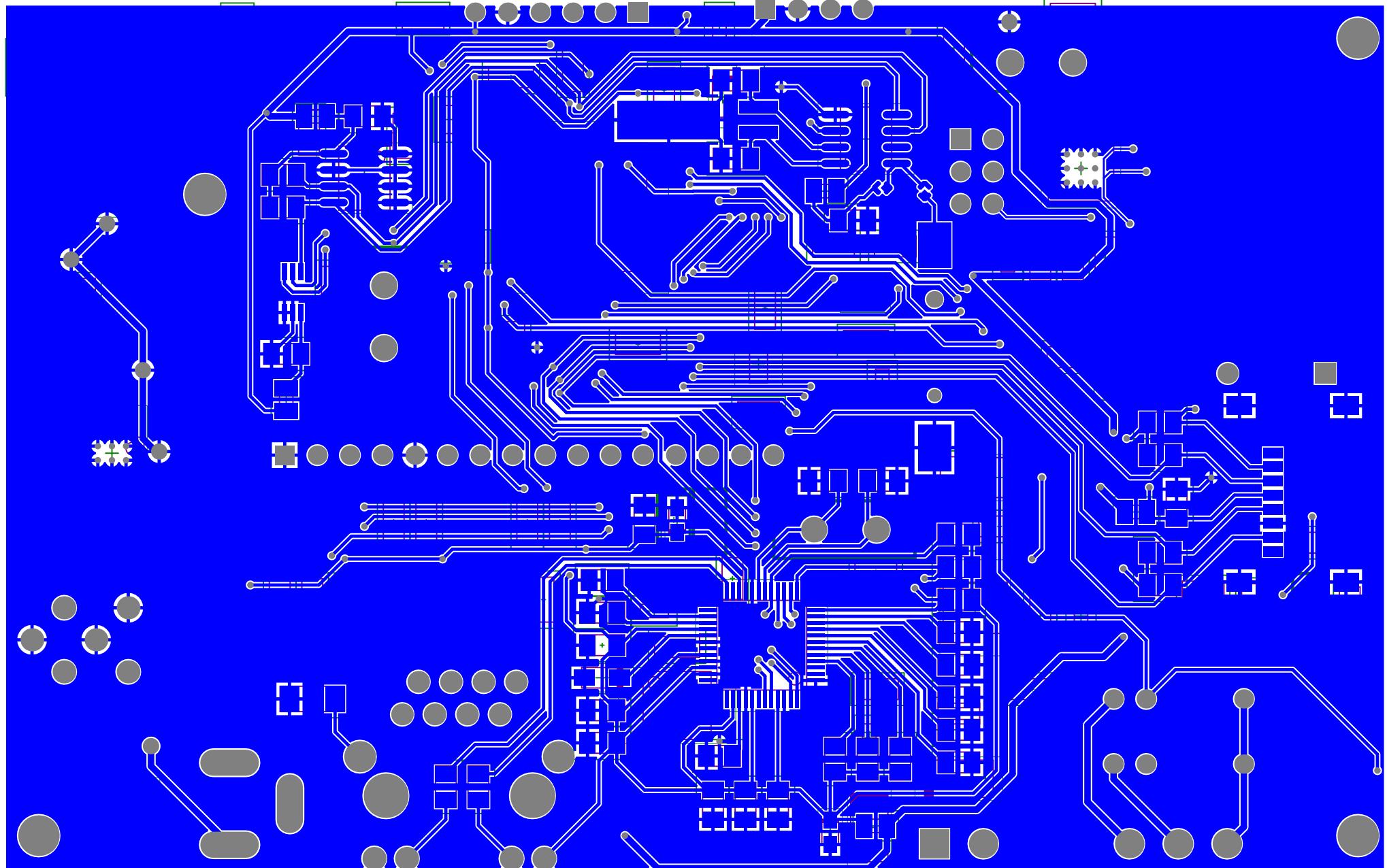


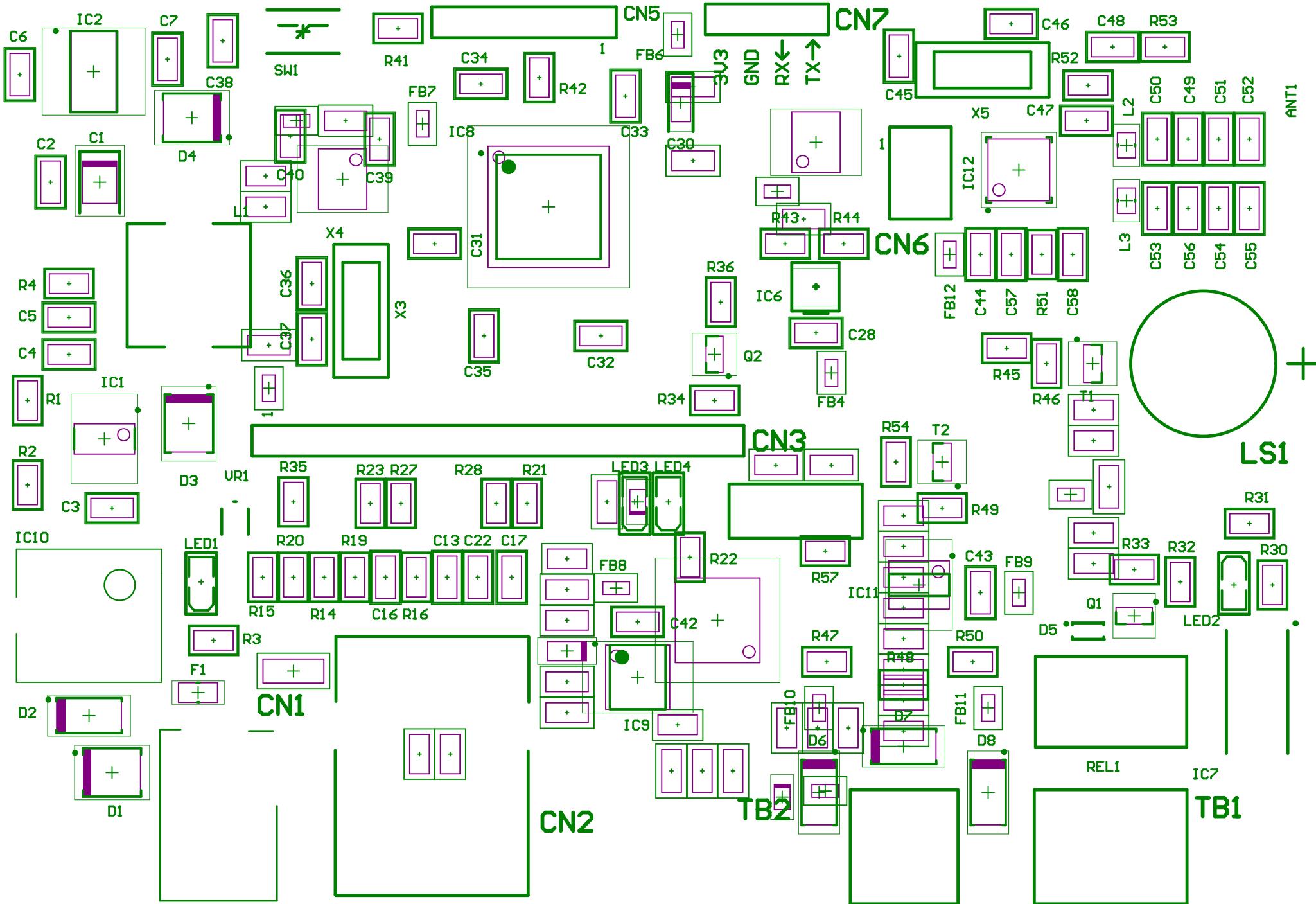
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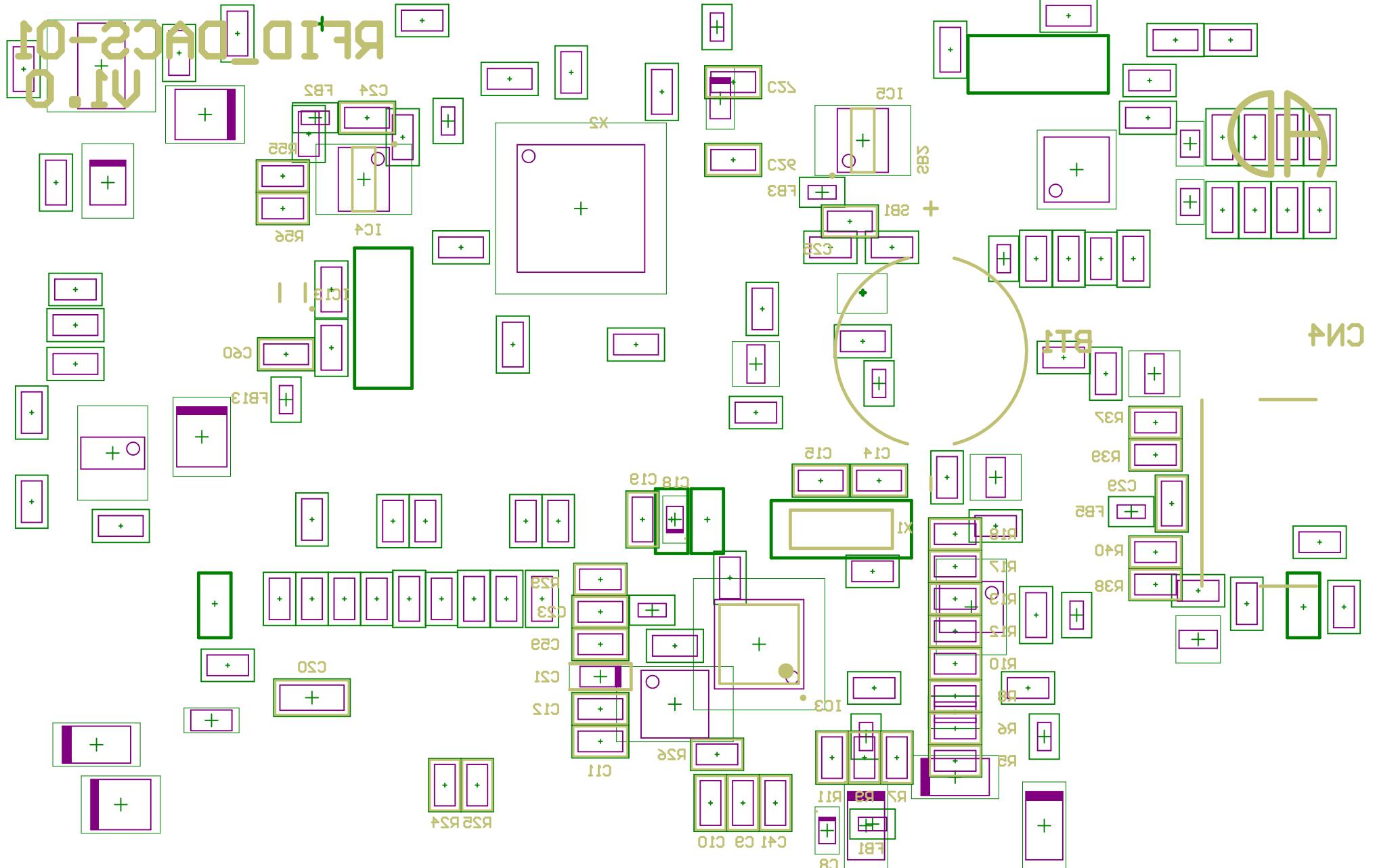
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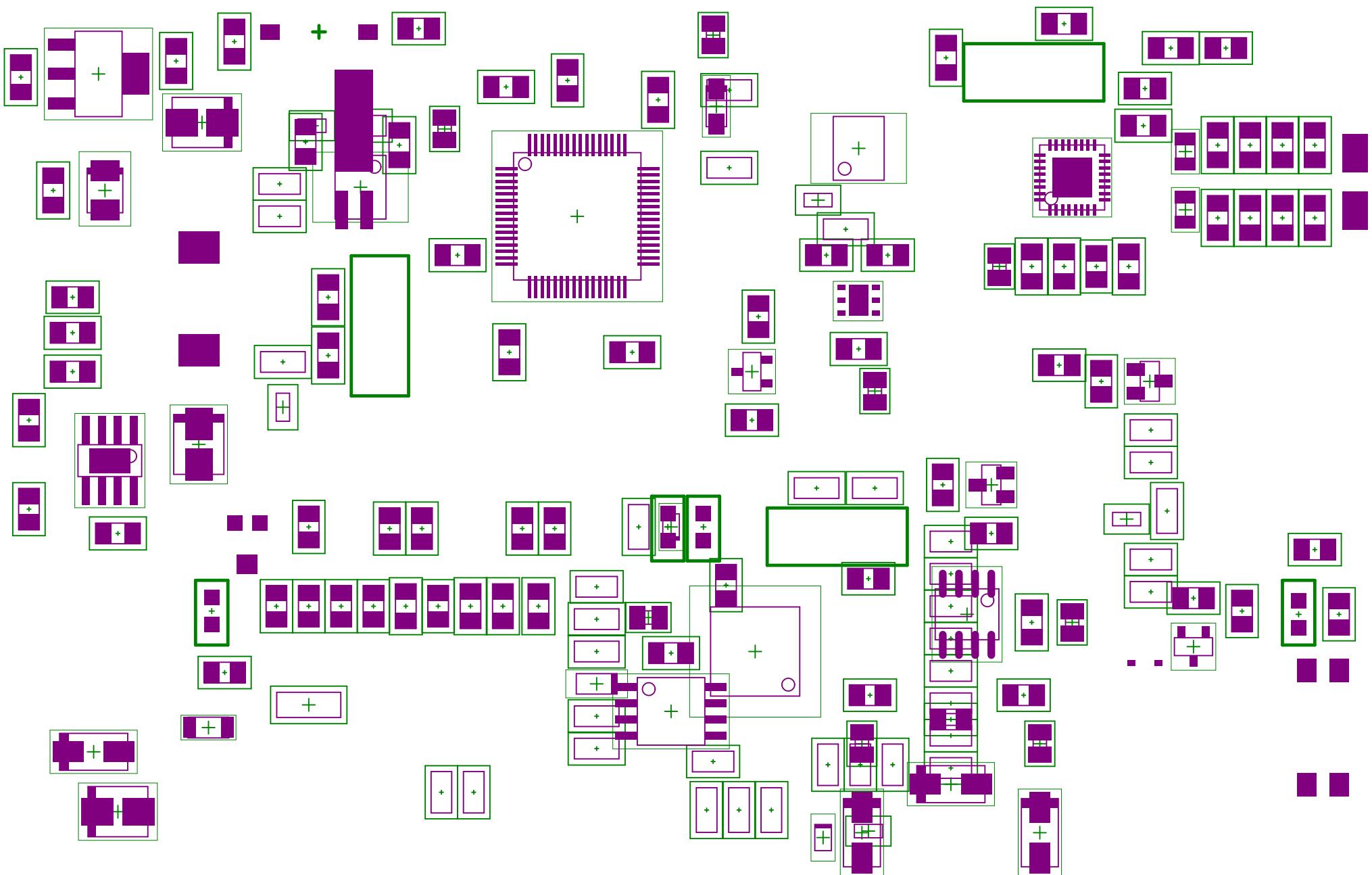
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Date: 10/31/2016 File: E:\PROJECTS\..\RFID_DACS-01.SchDoc	Sheet of Drawn By:	

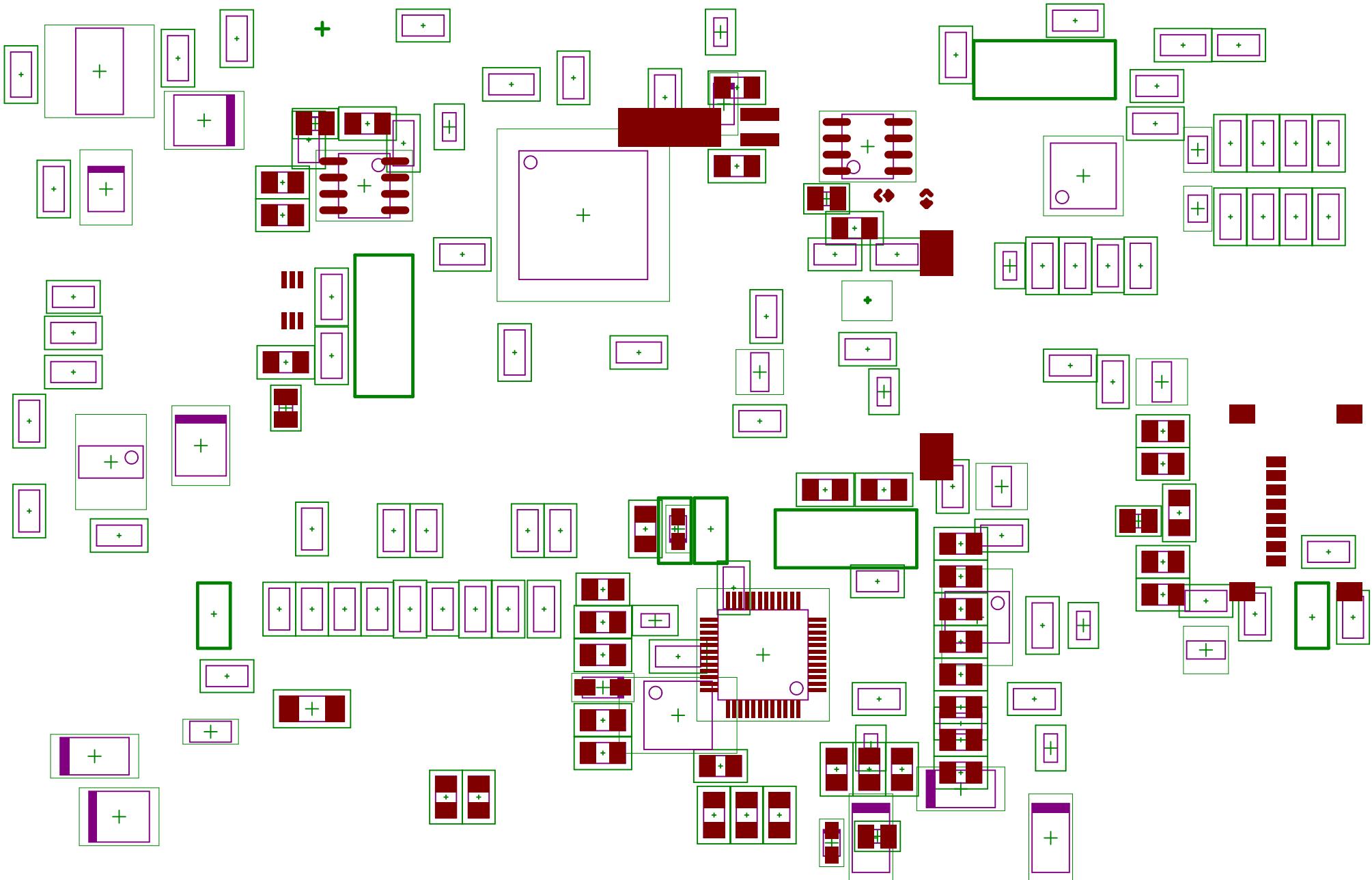


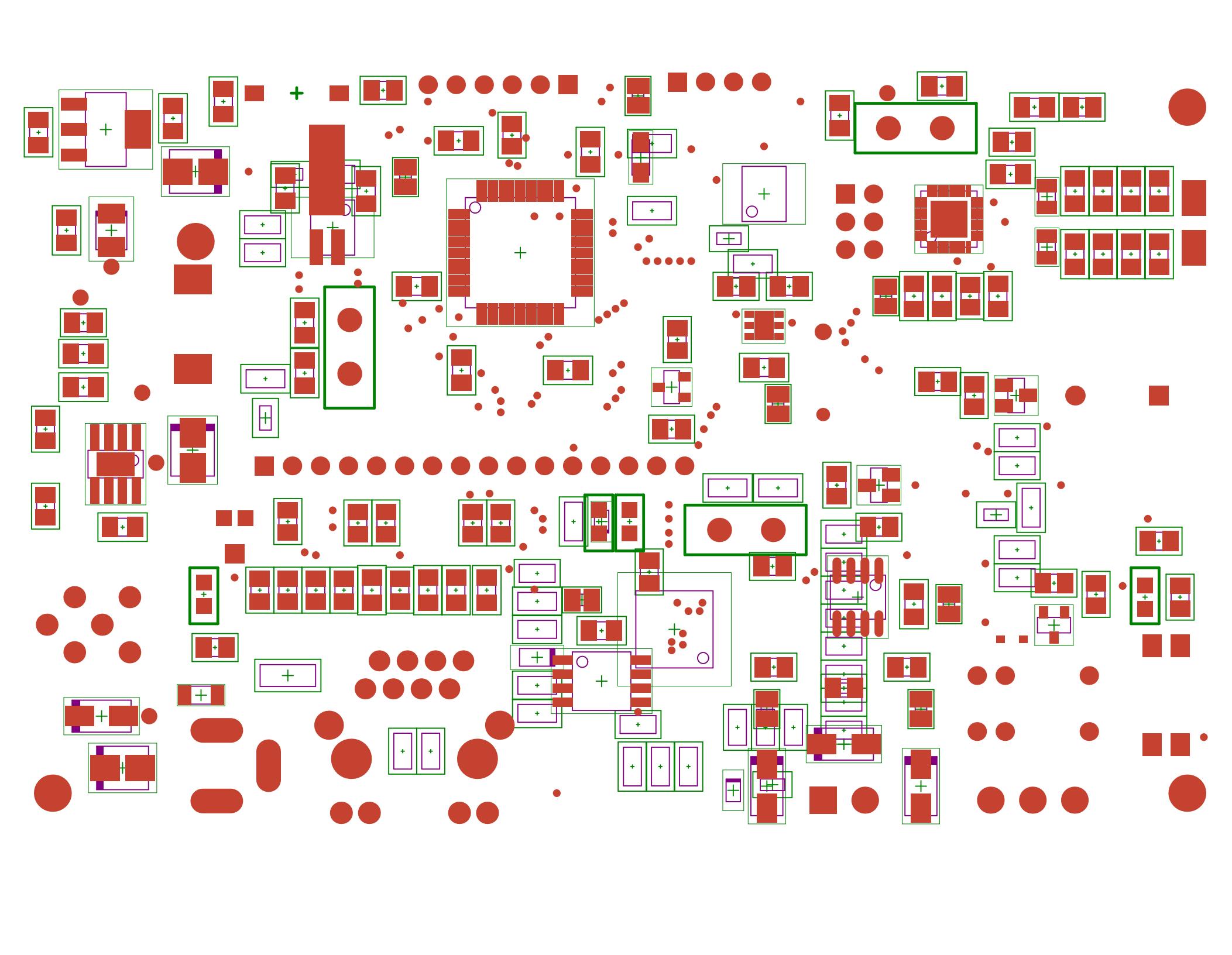


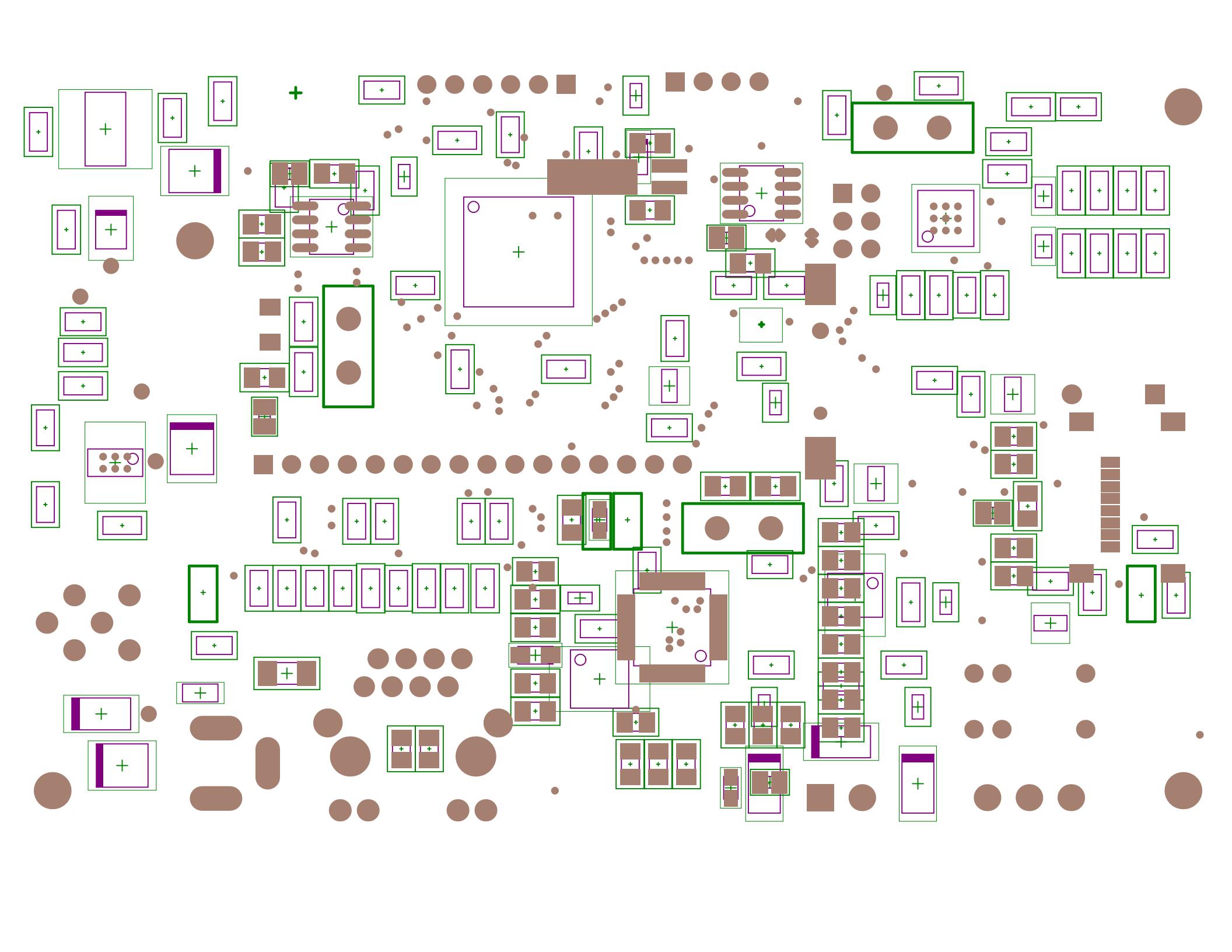


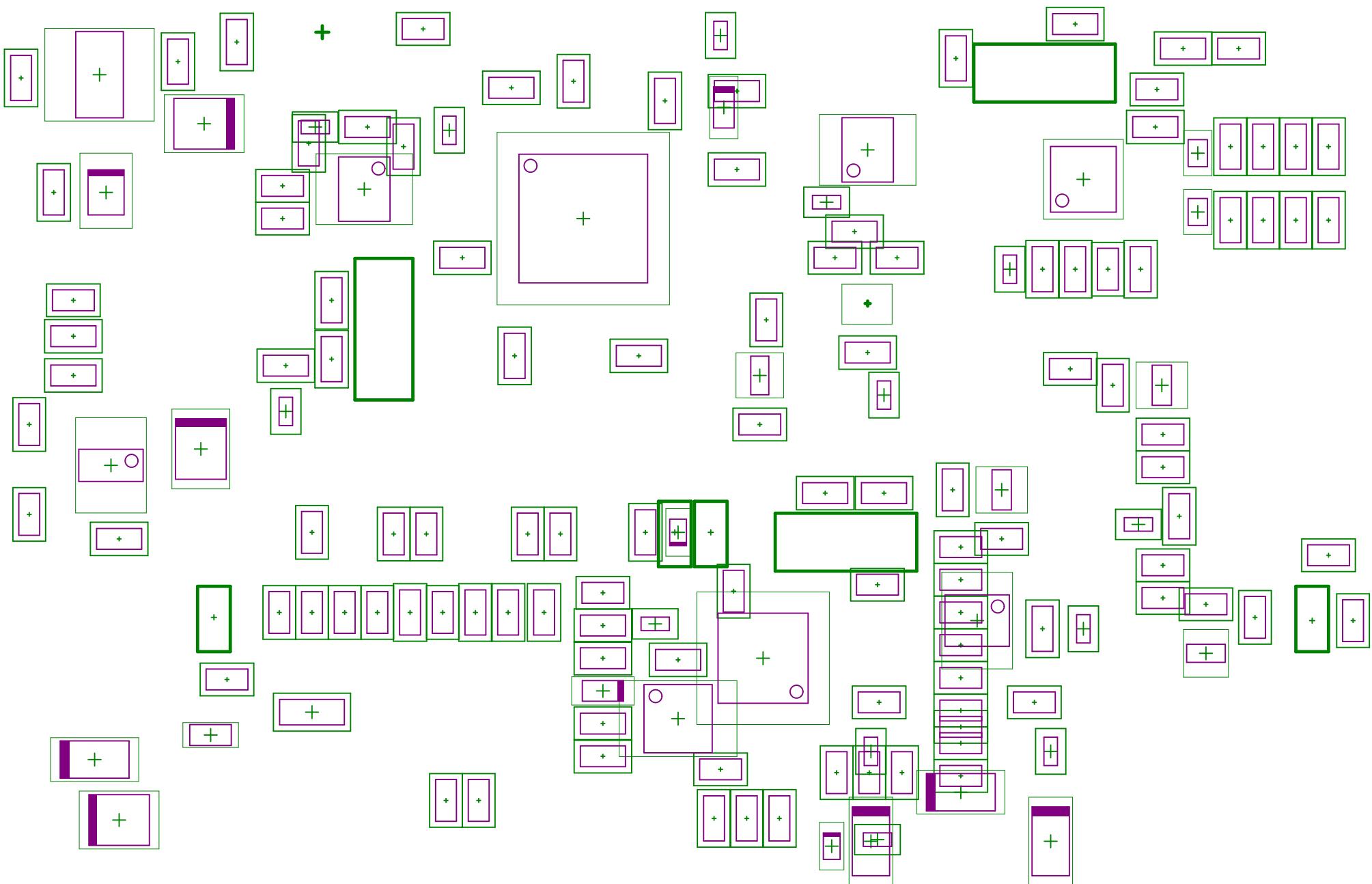


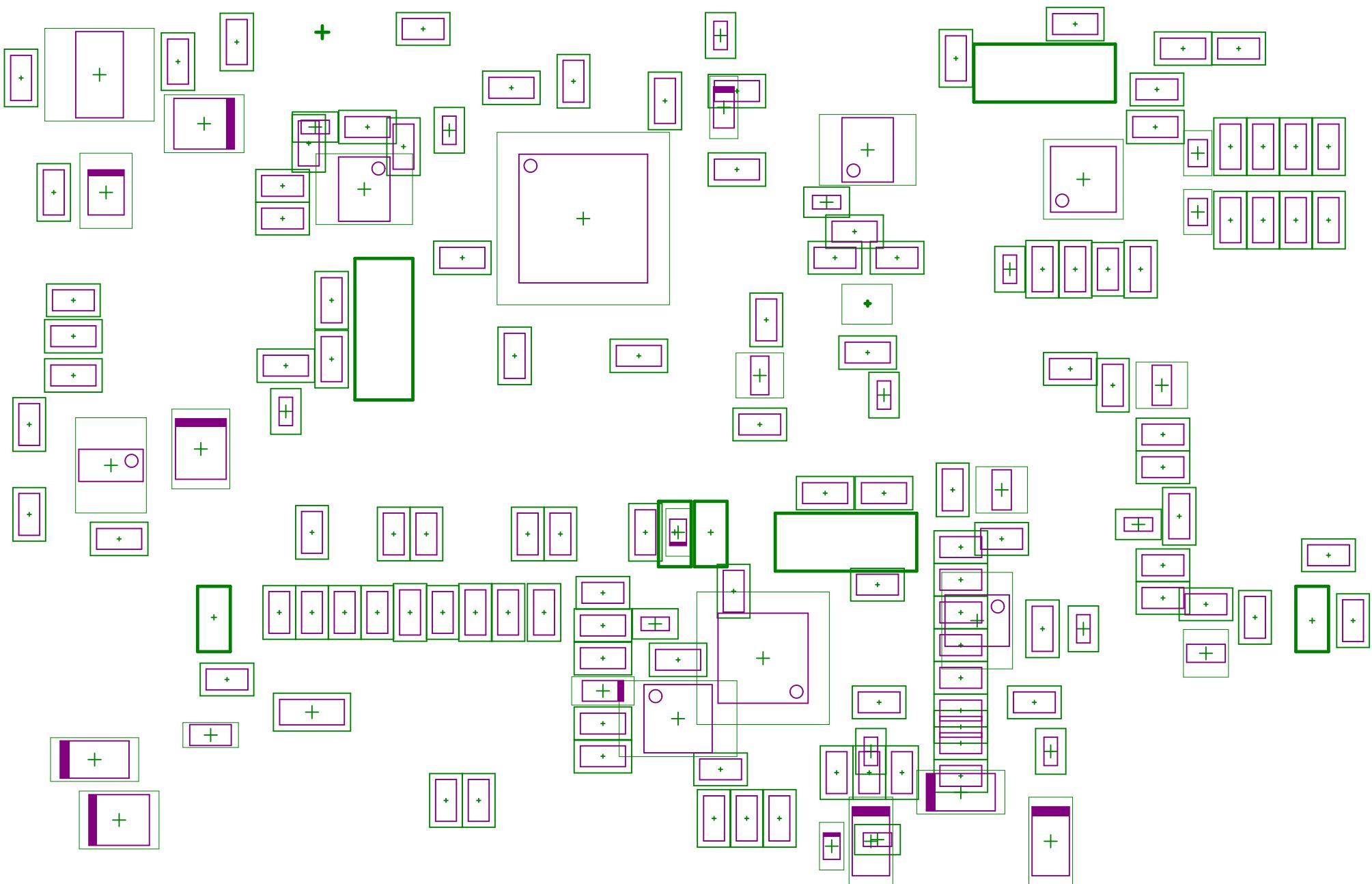


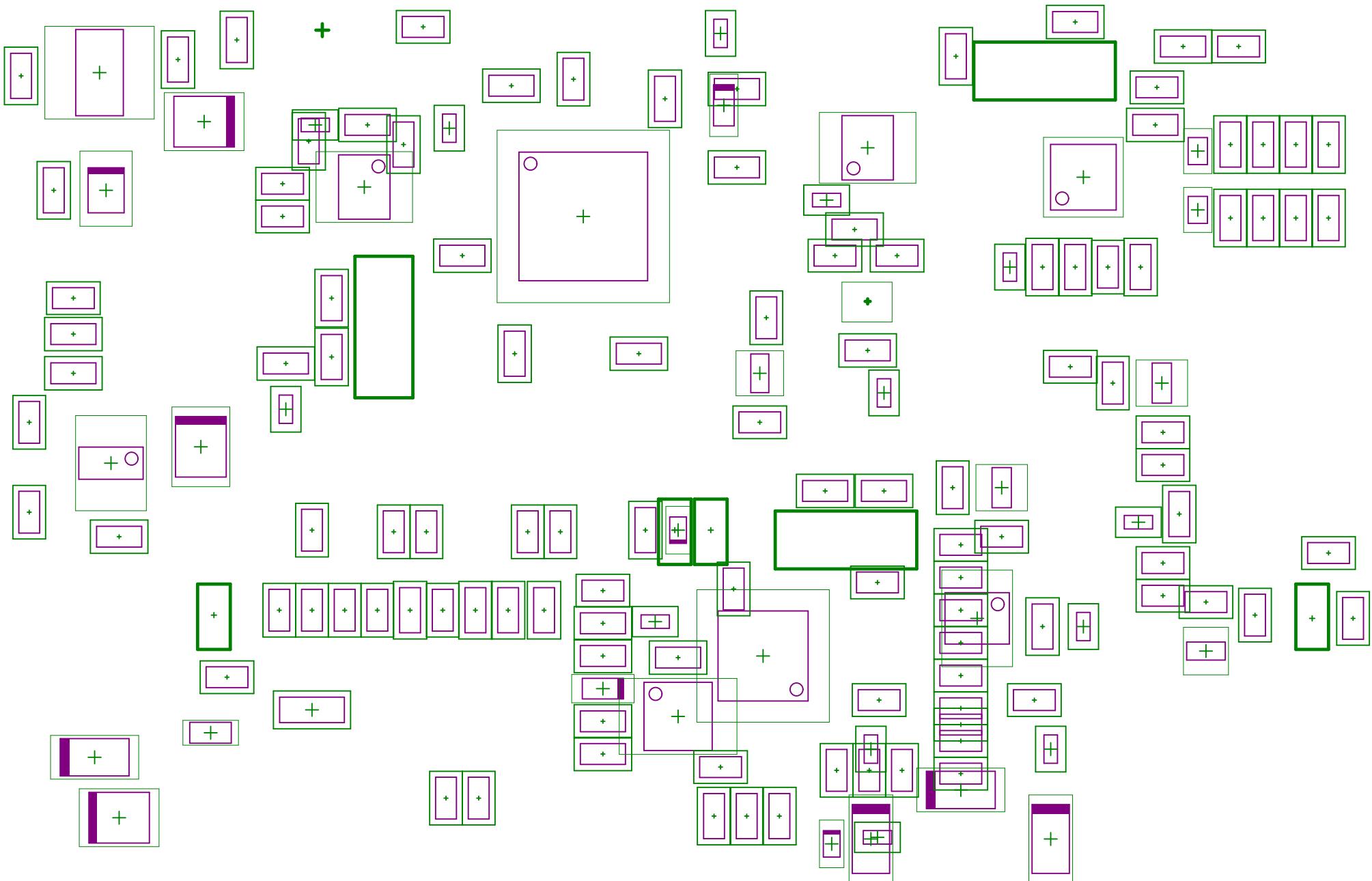


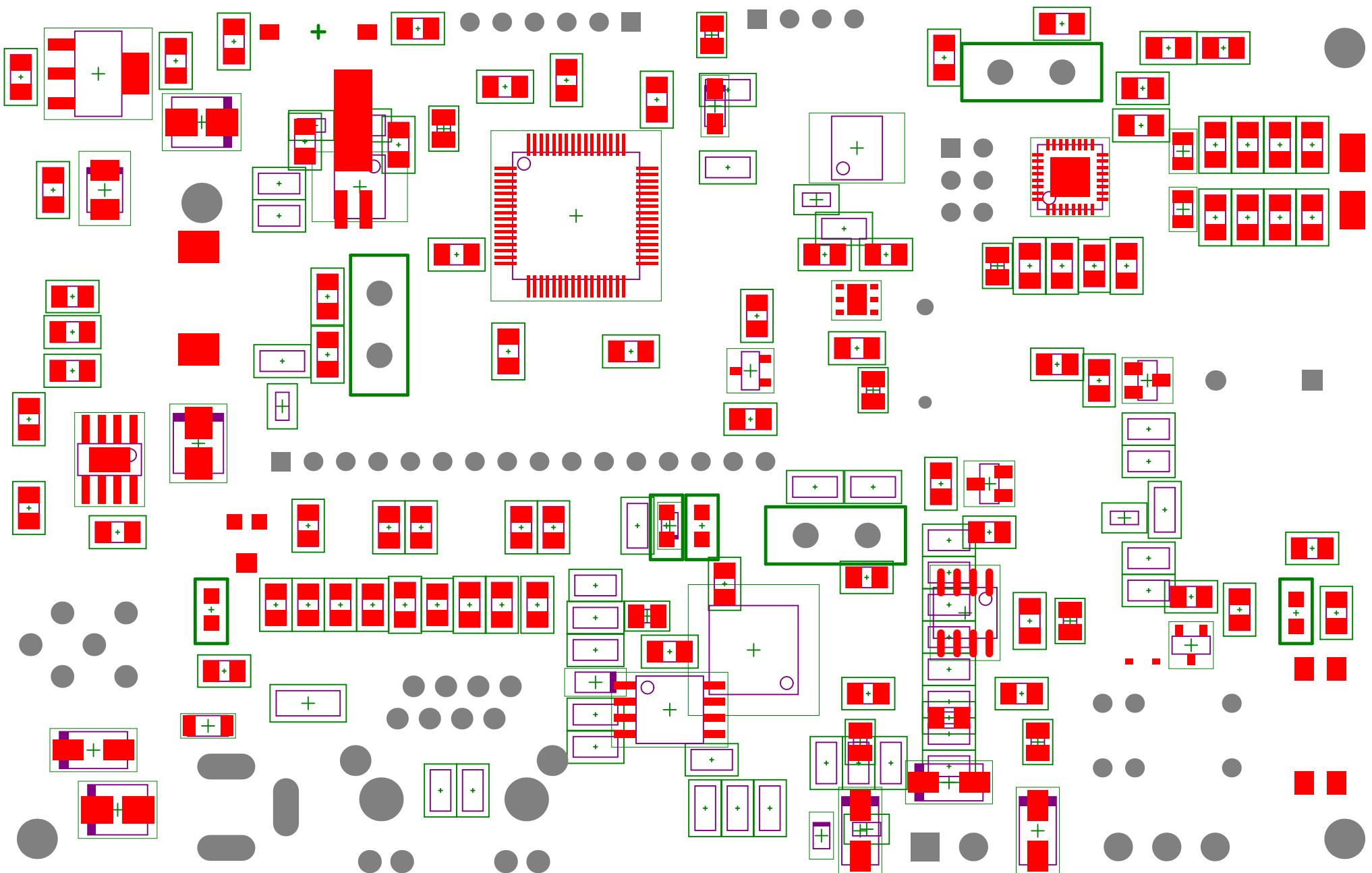


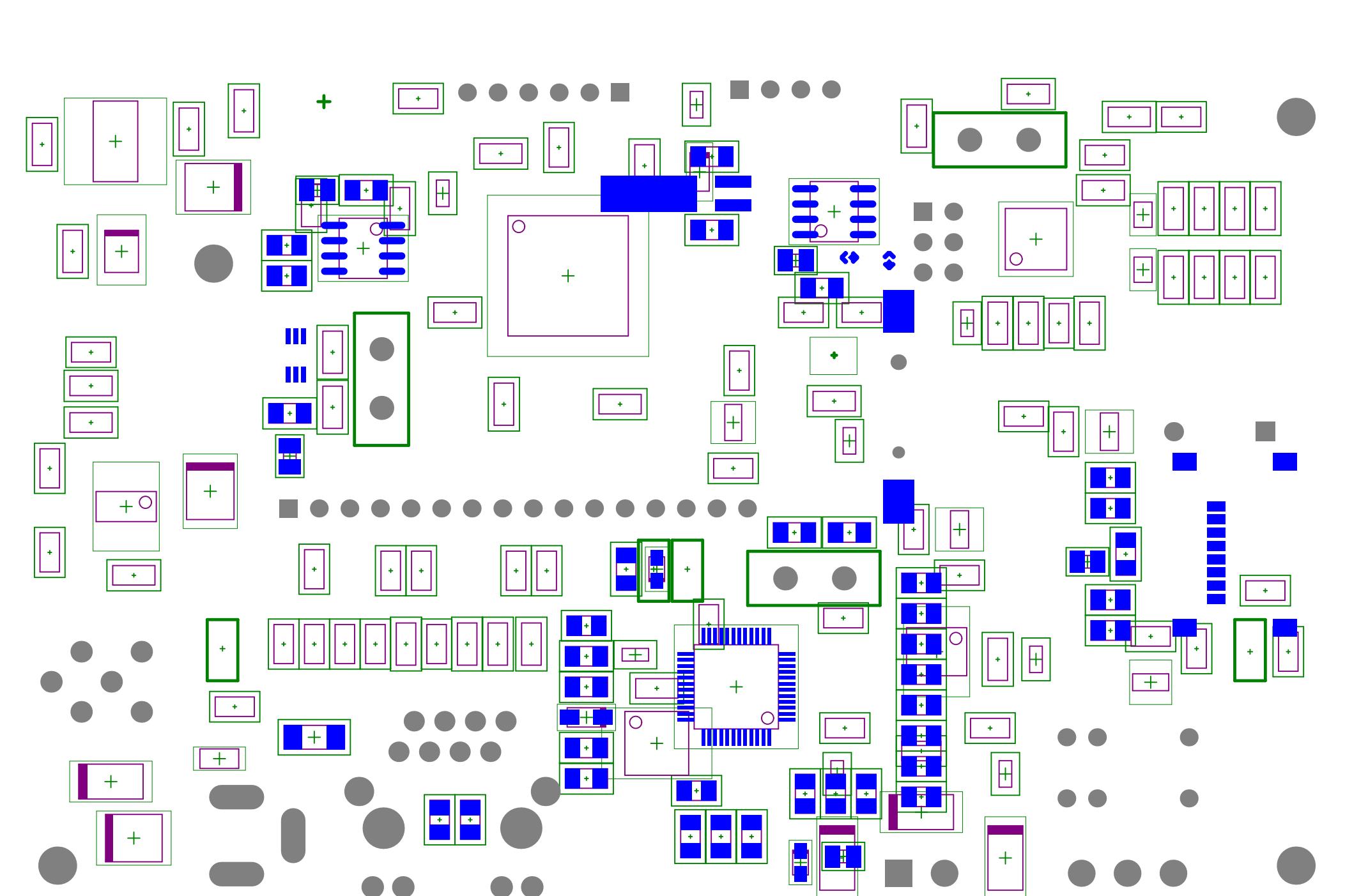


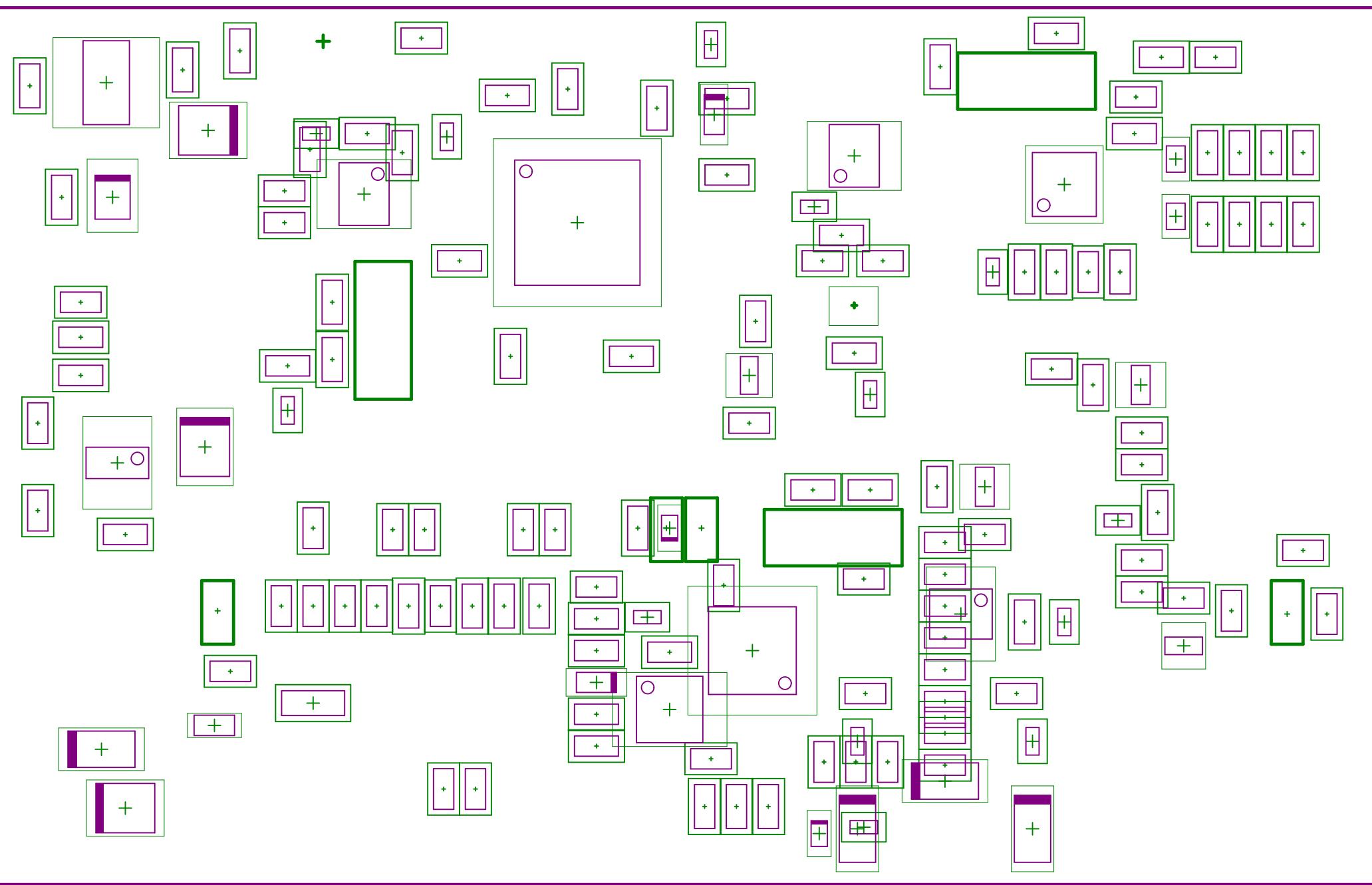


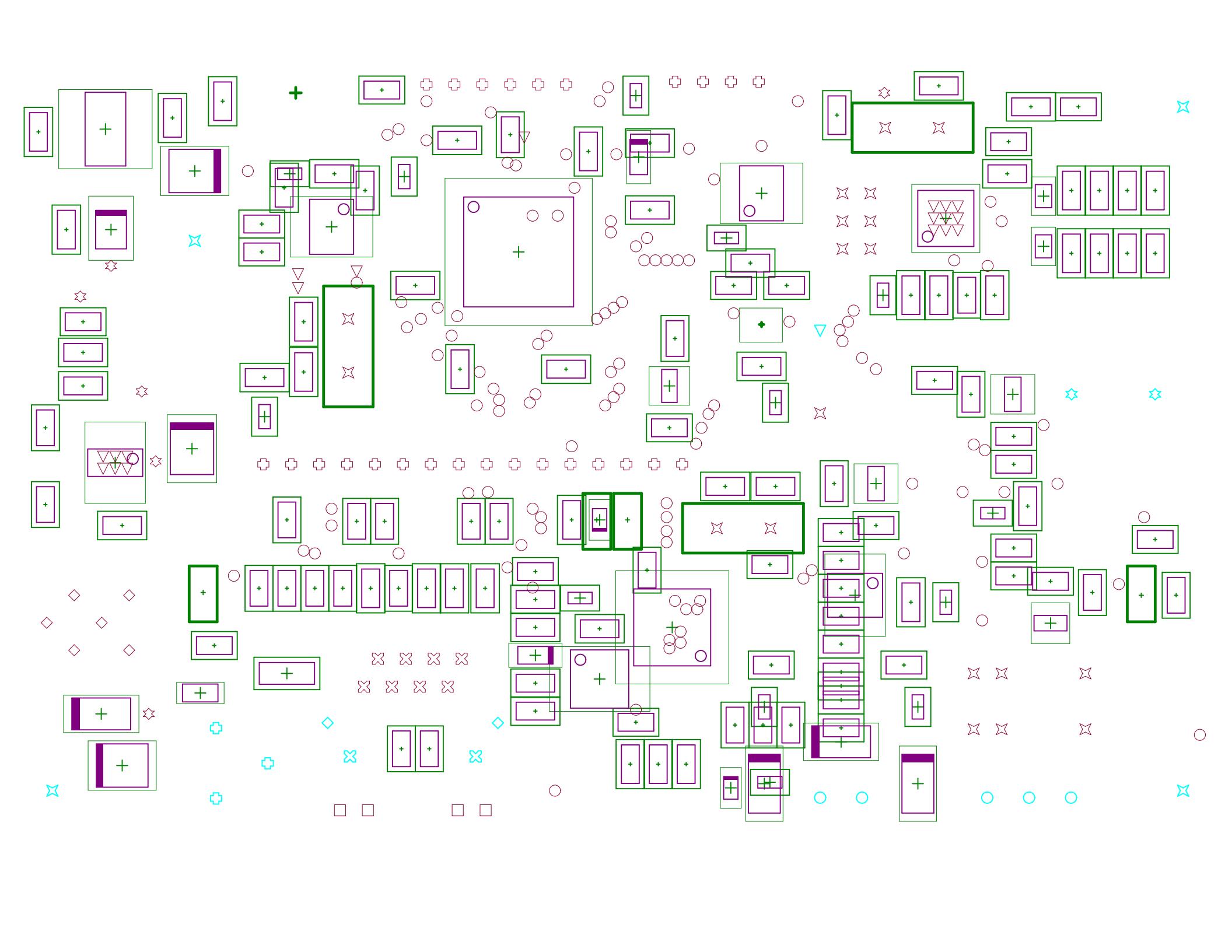


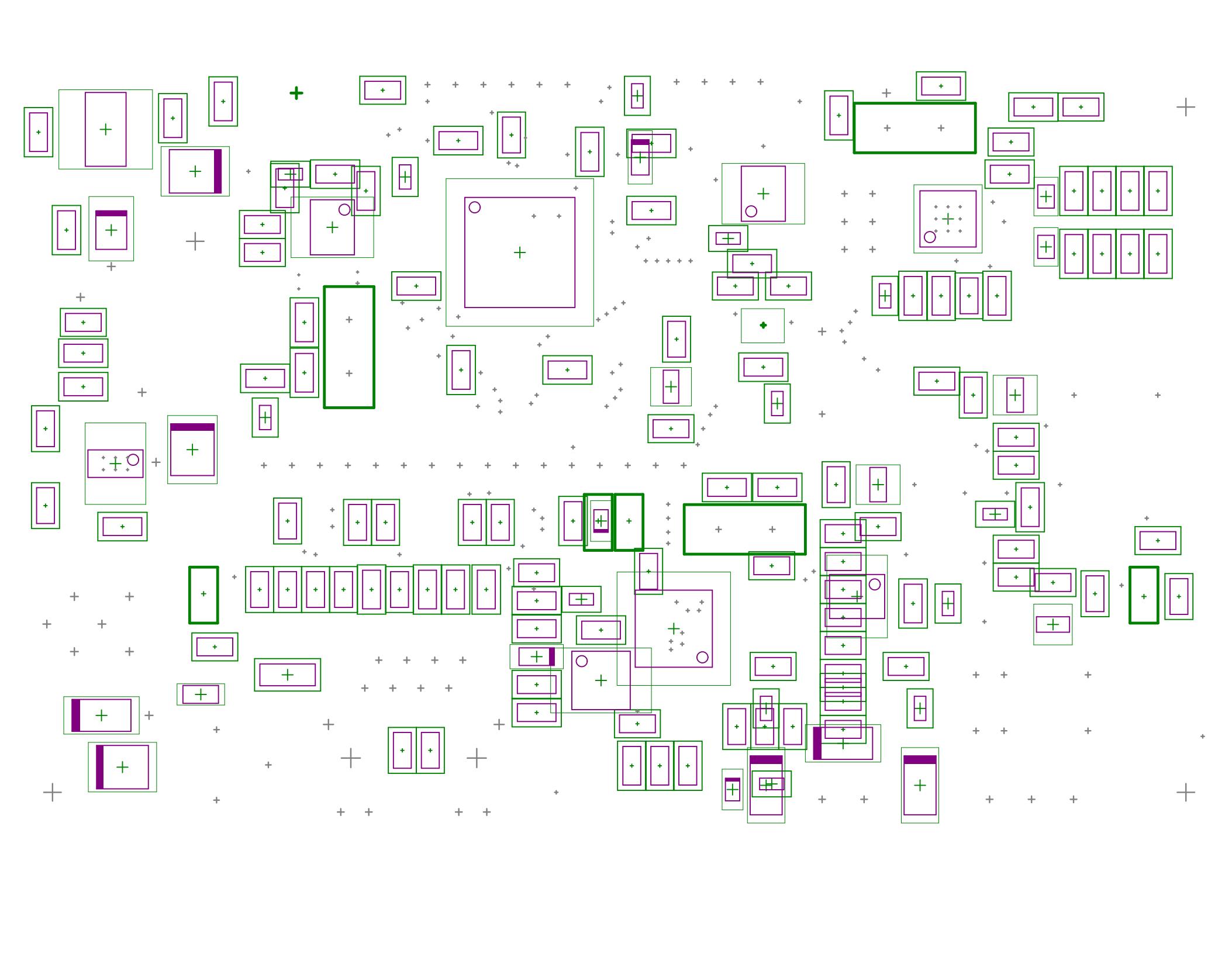












100% of the time, the system will be able to correctly identify the target word.