R1
21.5k

R2
21.5k

R3
13.3k

VR1
50k

C1
100p

R4
13.3k

VR2
50k

R5
10k

R6
18.2k

R7
21.5k
GND

R8
39.2k

R9
21.5k

R10
21.5k

R11
21.5k

OUT

-12V
C2
2.2u

C4
0.47uF

C6
0.47uF

C3
3.3n

R12
21.5k

C5
33n

C7
0.47uF
IN

R14
21.5k
GND

+12V

GND

R13
21.5k

GND

GND V2153 Sound Enhancement IC

High In	Addin
Feedback	FF
High Out	Out
Int	Mid-Out
VEE	Mid-In
Vcc	Low-Out
Det	Low-In
SW	In
NC	Gain
GND	Det In

R15
10.6k

C8
2.2u

C9
2.2u

100nF C10

GND

GND

D1
1N5819HW-7-F
+12V

P1
C11
10uF

C12
100nF
GND

1	2
3	4
5	6
7	8
9	10

GND
Header 5X2

D2
1N5819HW-7-F

C13
10uF

C14
100nF

-12V

R16
100k

+12V

U2A
TL072CD

J1
TIP
GND
SW
Thonkicon jack

R18
100k
GND

GND

-12V

IN

OUT

R19
100k

R17
100k

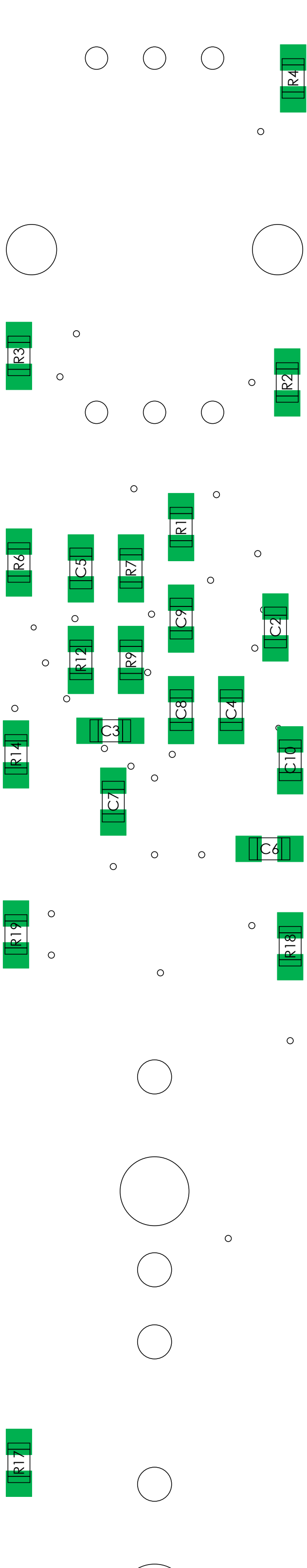+12V

U2B
TL072CD

GND

-12V

J2
TIP GND SW
Thonkicon jack

GND

Title

Size
A

Number

Revision

Date: 1/13/2017
File: C:\Users\..\Maximizer.SchDoc

Sheet   of
Drawn By:

VR2

VR1

R10

R11

R15

R16

U1

U2

U2

R5

R8

J1

J2

C12

C11

D1

C14

C13

D2

R4

R2

R3

R6

R7 R1

C3 C2

C4

R9

R7

C10

C8

C3

RC7

C6

R19

R18

U2+

R17

Process

Contour

U1

U2

U1

U2

OUT

OUT

IN

IN

P1

R5
R4
R10
C1
R11
R8
R15
R13
R3
R2
R14
R6
C5
R7
R1
R12
R9
C9
C2
R19
C3
C8
C4
C10
C7
C6
R18
R17

C12
C11
D1
C14
C13
D2

R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18 R19

C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16

D1 D2
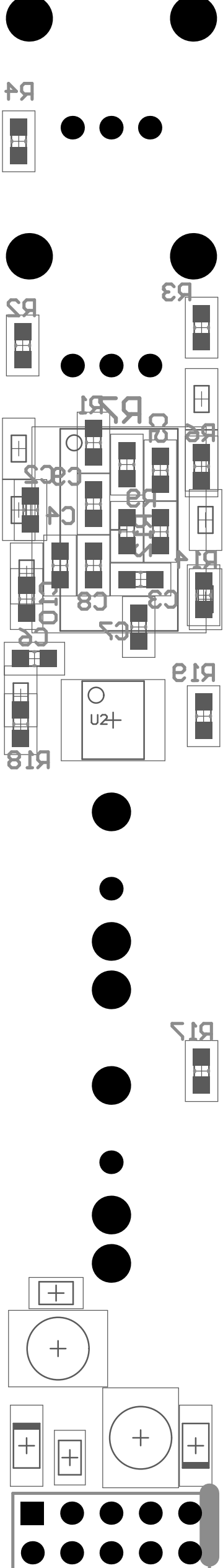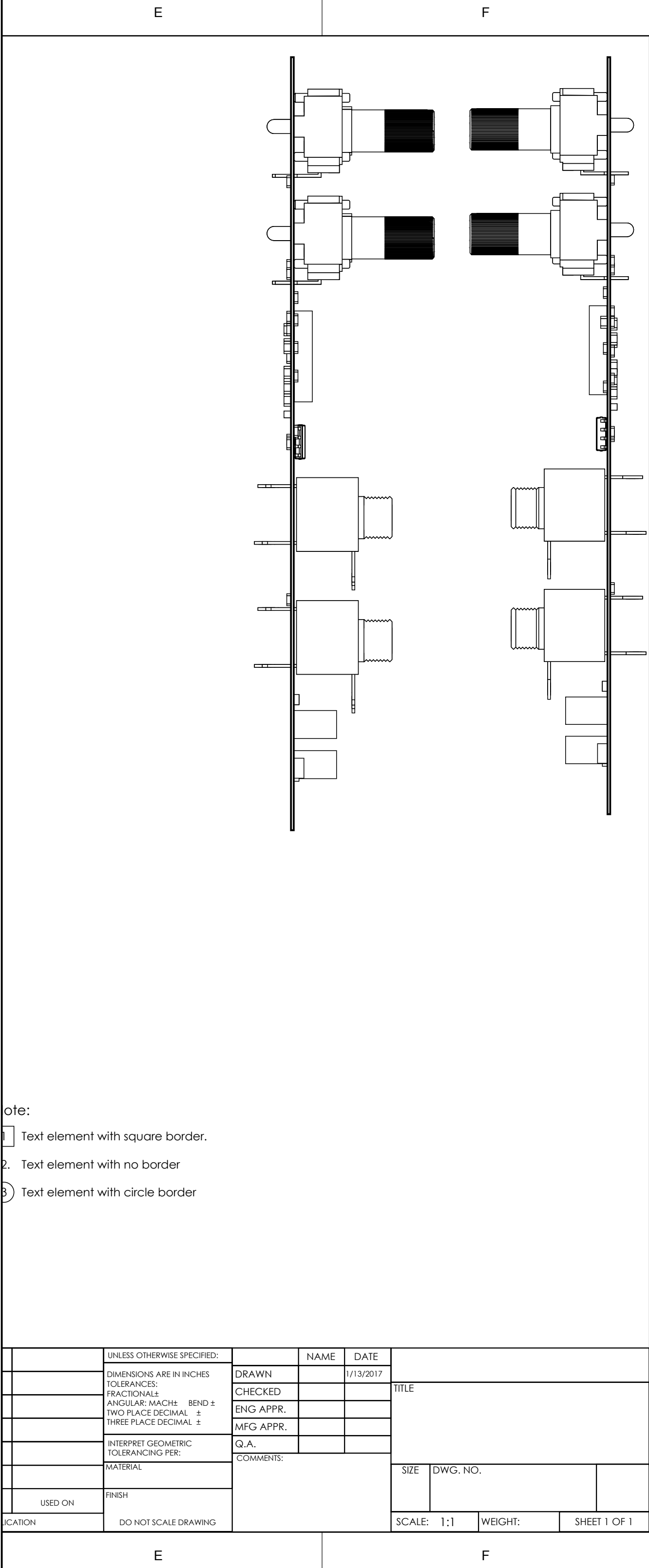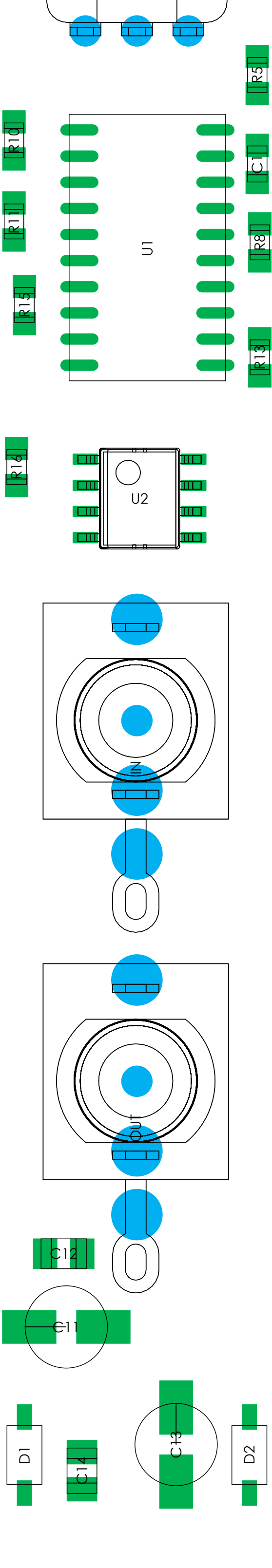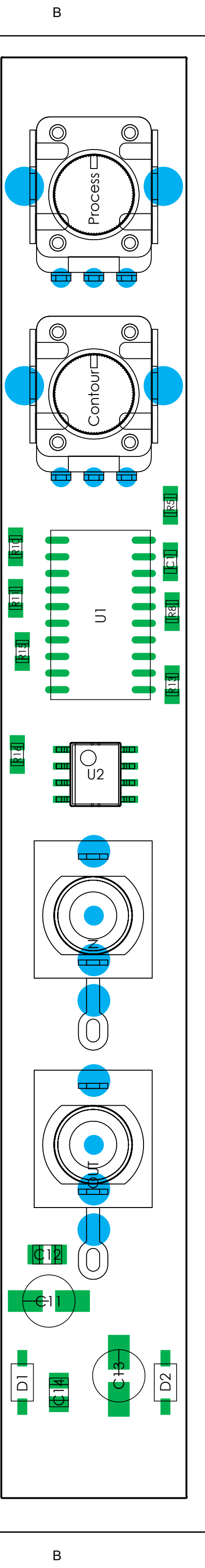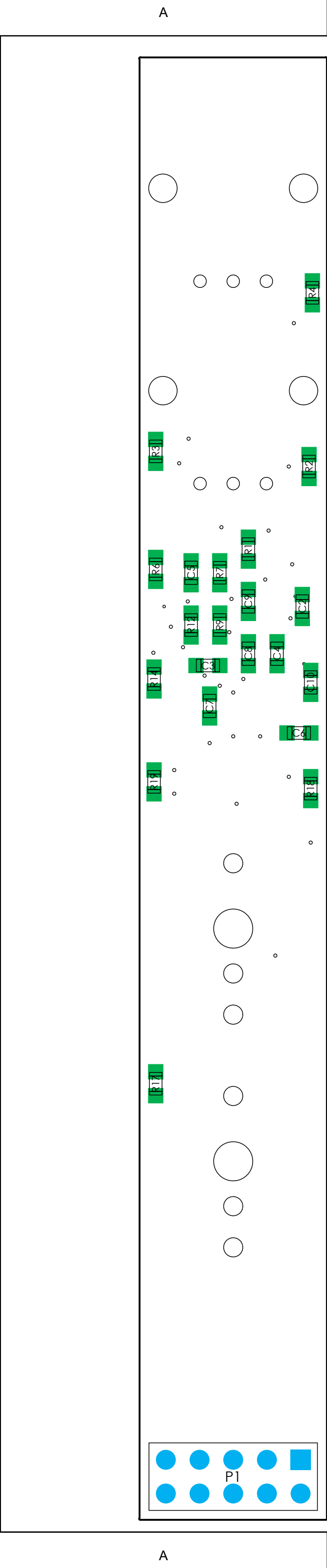
Note:

1. Text element with square border.

2. Text element with no border

3. Text element with circle border