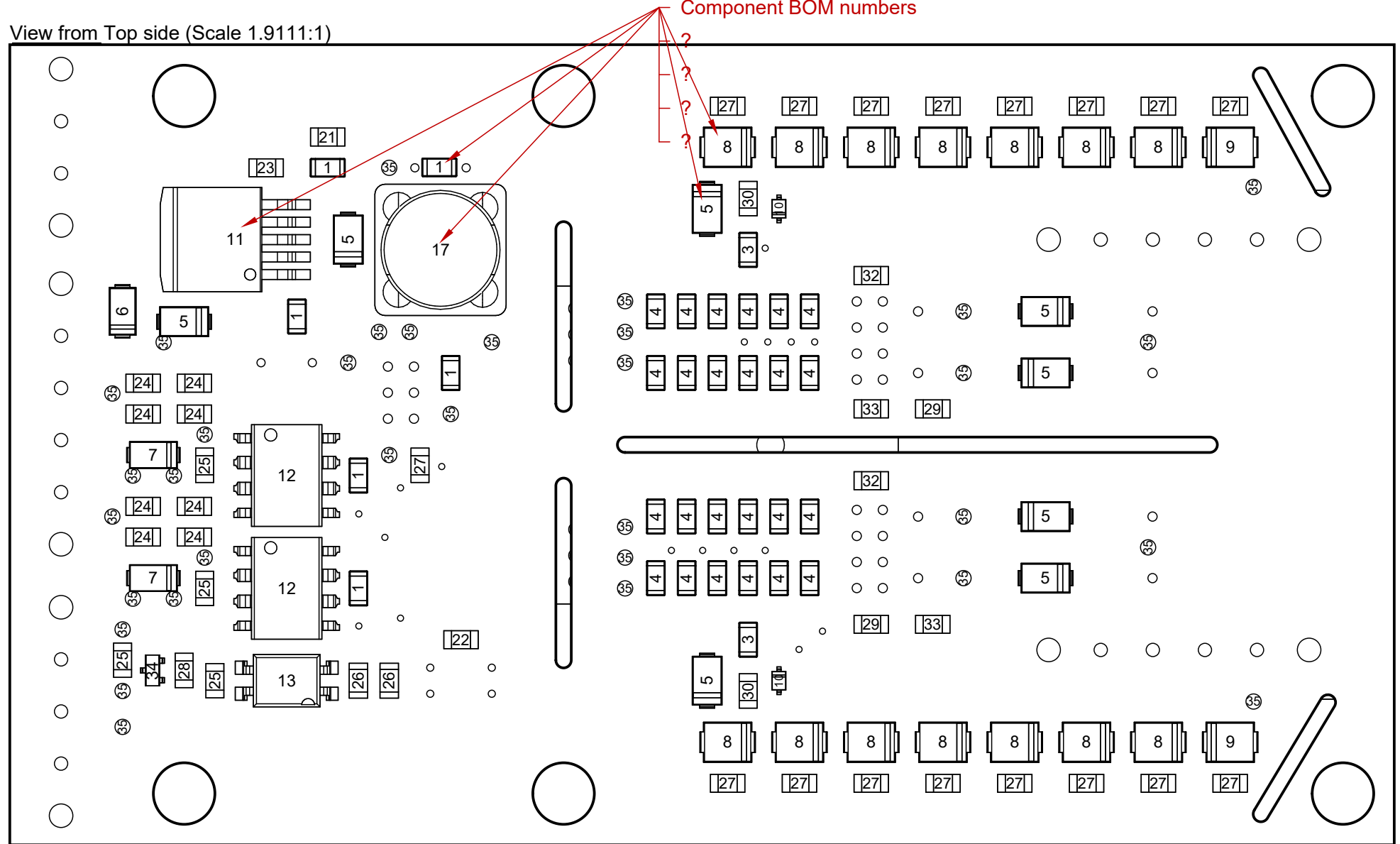


# View from Top side

## Component BOM numbers

View from Top side (Scale 1.9111:1)



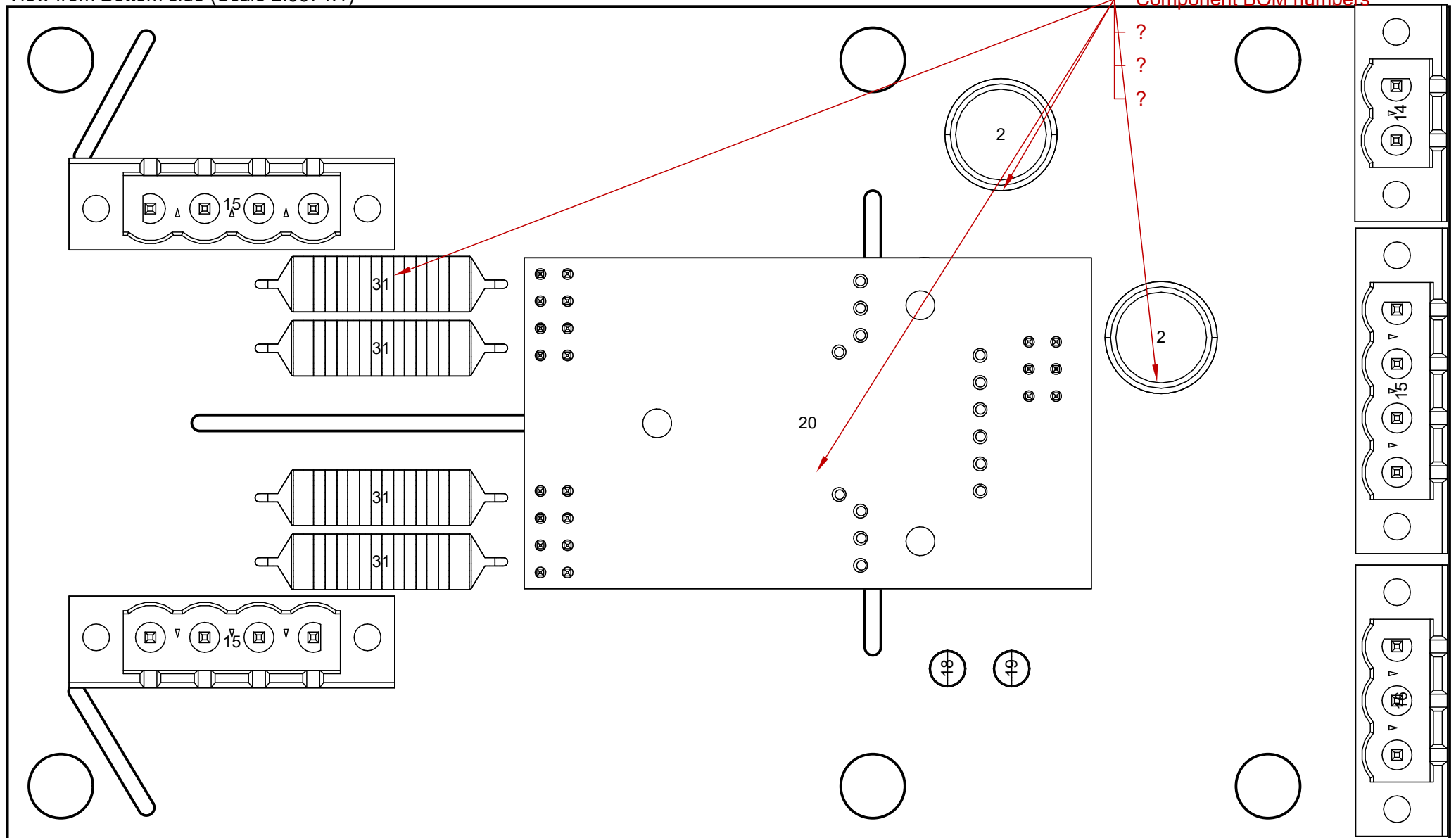
Project: IGBT Gate Driver 15A

Mail: [avxusi@gmail.com](mailto:avxusi@gmail.com)

# View from Bottom

## Component BOM numbers

View from Bottom side (Scale 2.0074:1)



Project: IGBT Gate Driver 15A

Mail: avxusi@gmail.com

## Top side

### Bill Of Materials

| Line # | Designator  | Comment      | Quantity |
|--------|---|--------------|----------|
| 1      | C1, C3, C5, C6, C7, C8  | 100nF        | 6        |
| 3      | C101, C201  | 27pF         | 2        |
| 4      | C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C202, C203, C204, C205, C206, C207, C208, C209, C210, C211, C212, C213  | 10uF         | 24       |
| 5      | D1, D3, D101, D102, D112, D201, D202, D212  | SS16         | 8        |
| 6      | D2  | SMAJ24A      | 1        |
| 7      | D4, D5  | 1SMA5918BT3G | 2        |
| 8      | D103, D104, D105, D106, D107, D108, D109, D203, D204, D205, D206, D207, D208, D209  | SMBJ150A     | 14       |
| 9      | D110, D210  | SMBJ150CA    | 2        |
| 10     | D111, D211  | BAS416       | 2        |
| 11     | IC1   | LM2596R-ADJ  | 1        |
| 12     | IC2, IC3  | FOD3182SDV   | 2        |
| 13     | IC4   | PC817        | 1        |
| 17     | L1  | 33uH         | 1        |
| 21     | R1  | 20k          | 1        |
| 22     | R2  | 2k           | 1        |
| 23     | R3  | 1k8          | 1        |
| 24     | R4, R5, R6, R7, R9, R10, R11, R12   | 1k           | 8        |
| 25     | R8, R13, R14, R15   | 4k7          | 4        |
| 26     | R16, R18  | 2k           | 2        |
| 27     | R17, R103, R104, R105, R106, R107, R108, R109, R110, R203, R204, R205, R206, R207, R208, R209, R210   | 150k         | 17       |
| 28     | R19   | 100k         | 1        |
| 29     | R101, R201  | 20           | 2        |
| 30     | R102, R202  | 120k         | 2        |
| 32     | R112, R212  | 10k          | 2        |
| 33     | R113, R213  | 6k8          | 2        |
| 34     | T1  | BC817        | 1        |
| 35     | TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP101, TP102, TP103, TP104, TP105, TP106, TP107, TP201, TP202, TP203, TP204, TP205, TP206, TP207 | Test_point   | 33       |

## Bottom side

### Bill Of Materials

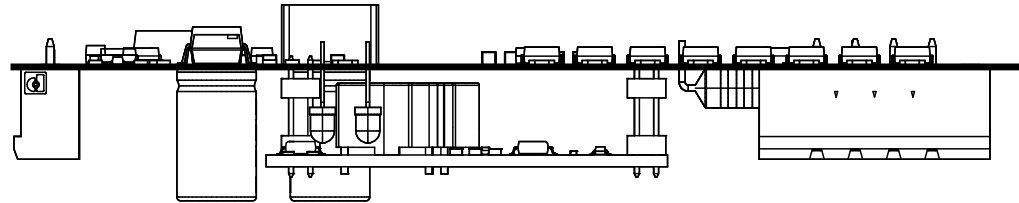
| Line # | Designator             | Comment        | Quantity     |
|--------|------------------------|----------------|--------------|
| 2      | C2, C4                 | 220uF          | 2            |
| 14     | J1                     |                | 1            |
| 15     | J2, J3, J5             |                | 3            |
| 16     | J4                     |                | 1            |
| 18     | LD1                    | Yellow         | 1            |
| 19     | LD2                    | Red            | 1            |
| 20     | M1                     | 2SC0115T       | 1            |
| 31     | R111, R114, R211, R214 | <del>5R6</del> | <del>4</del> |

31  
!!! R111, R114, R211, R214 is won't install !!!

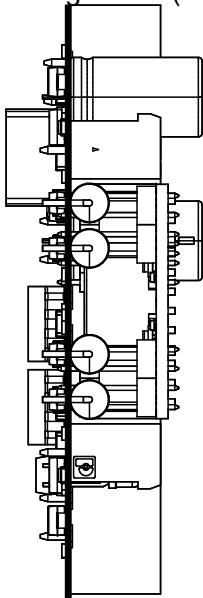
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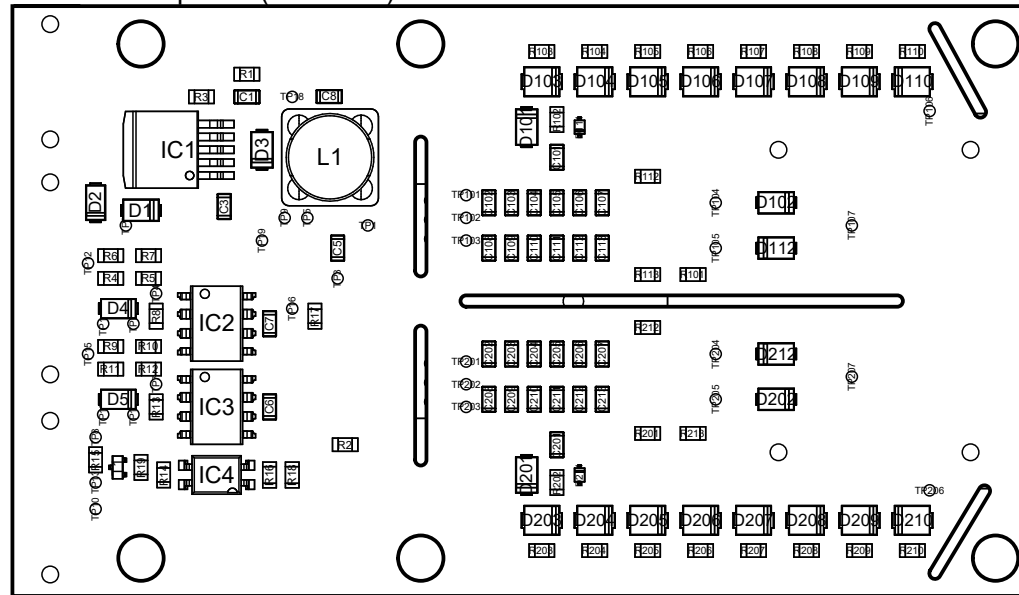
View from Front side (Scale 1:1)



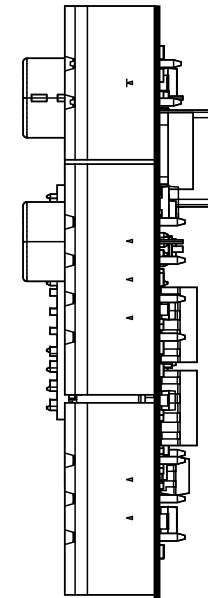
View from Right side (Scale 1:1)



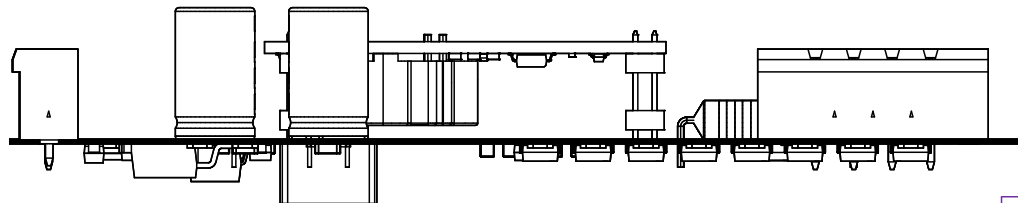
View from Top side (Scale 1:1)



View from Left side (Scale 1:1)

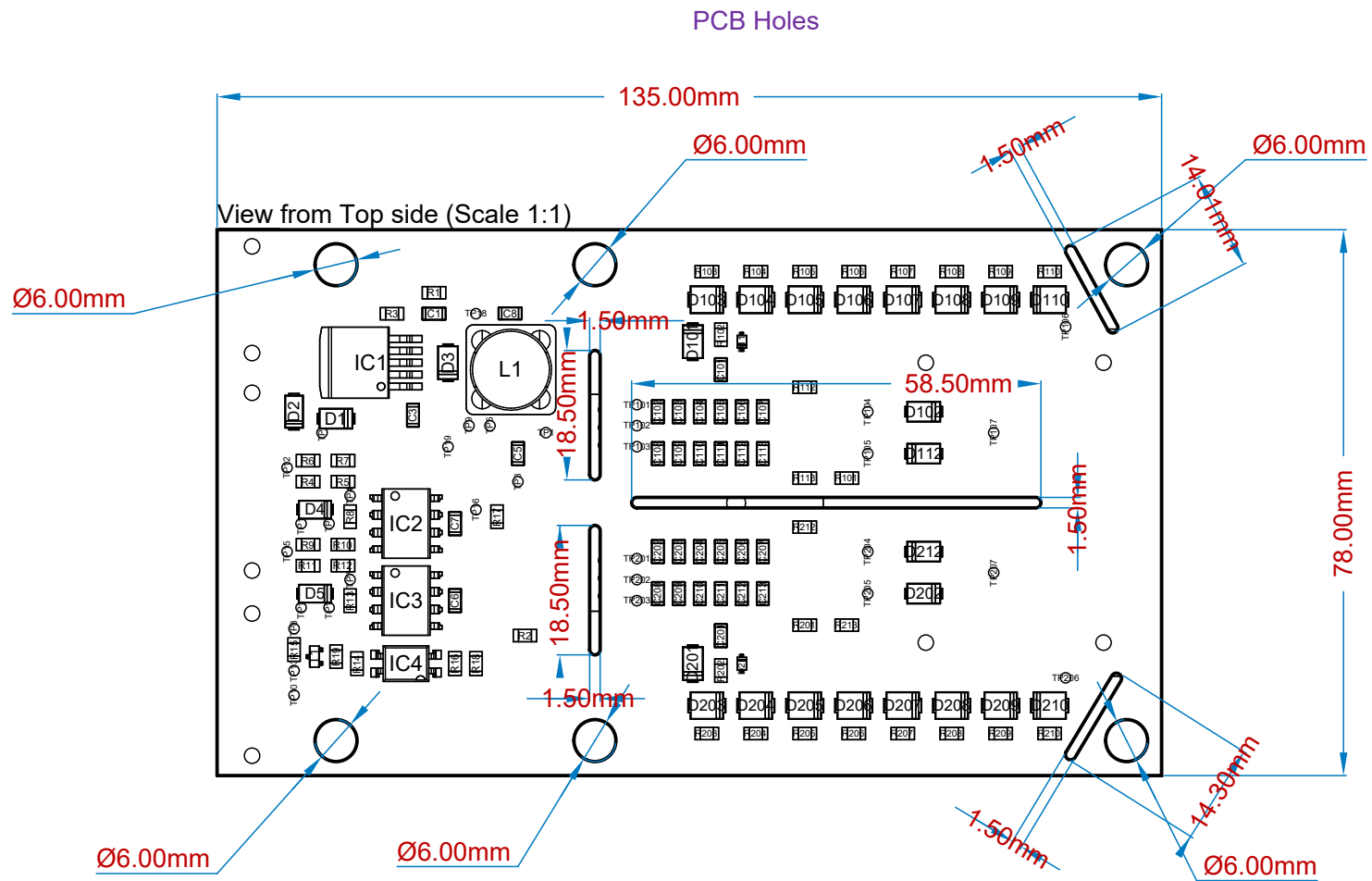


View from Back side (Scale 1:1)



Project: IGBT Gate Driver 15A

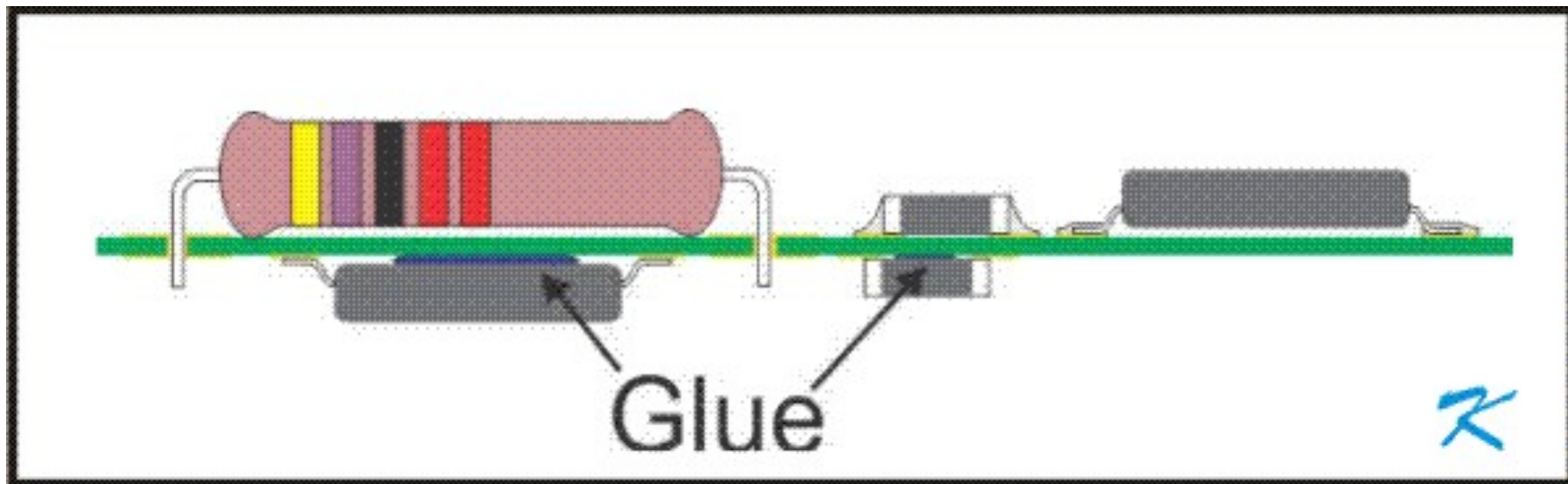
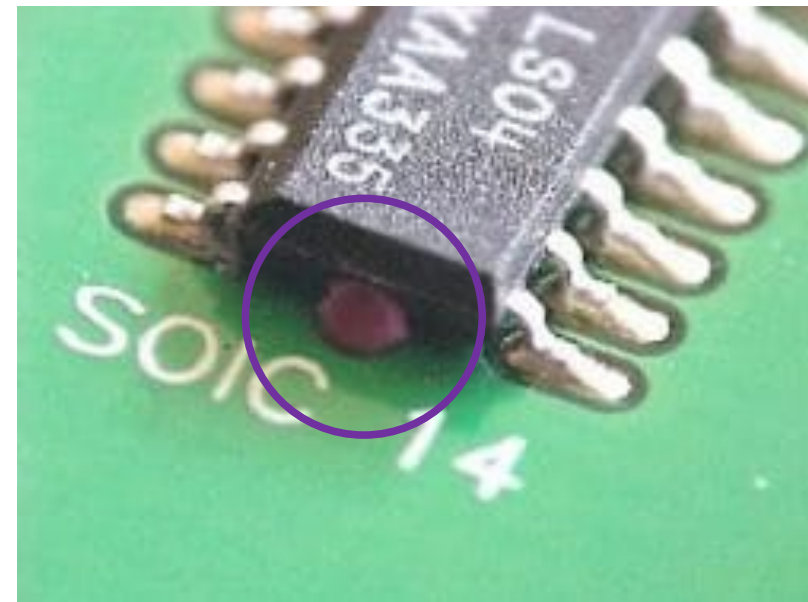
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Project: IGBT Gate Driver 15A

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BOM number : 5, 6,  
7, 8, 11, 12, 13  
components all is  
additionally glued  
from the bottom



Project: IGBT Gate Driver 15A

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