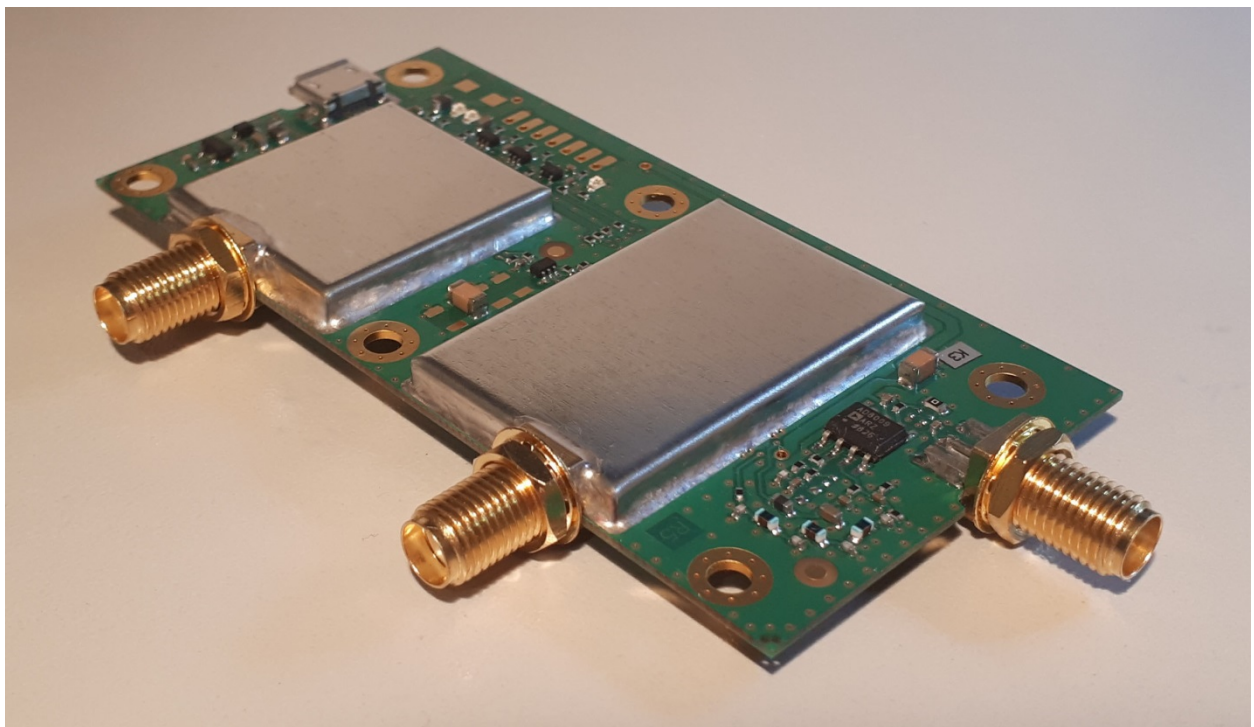
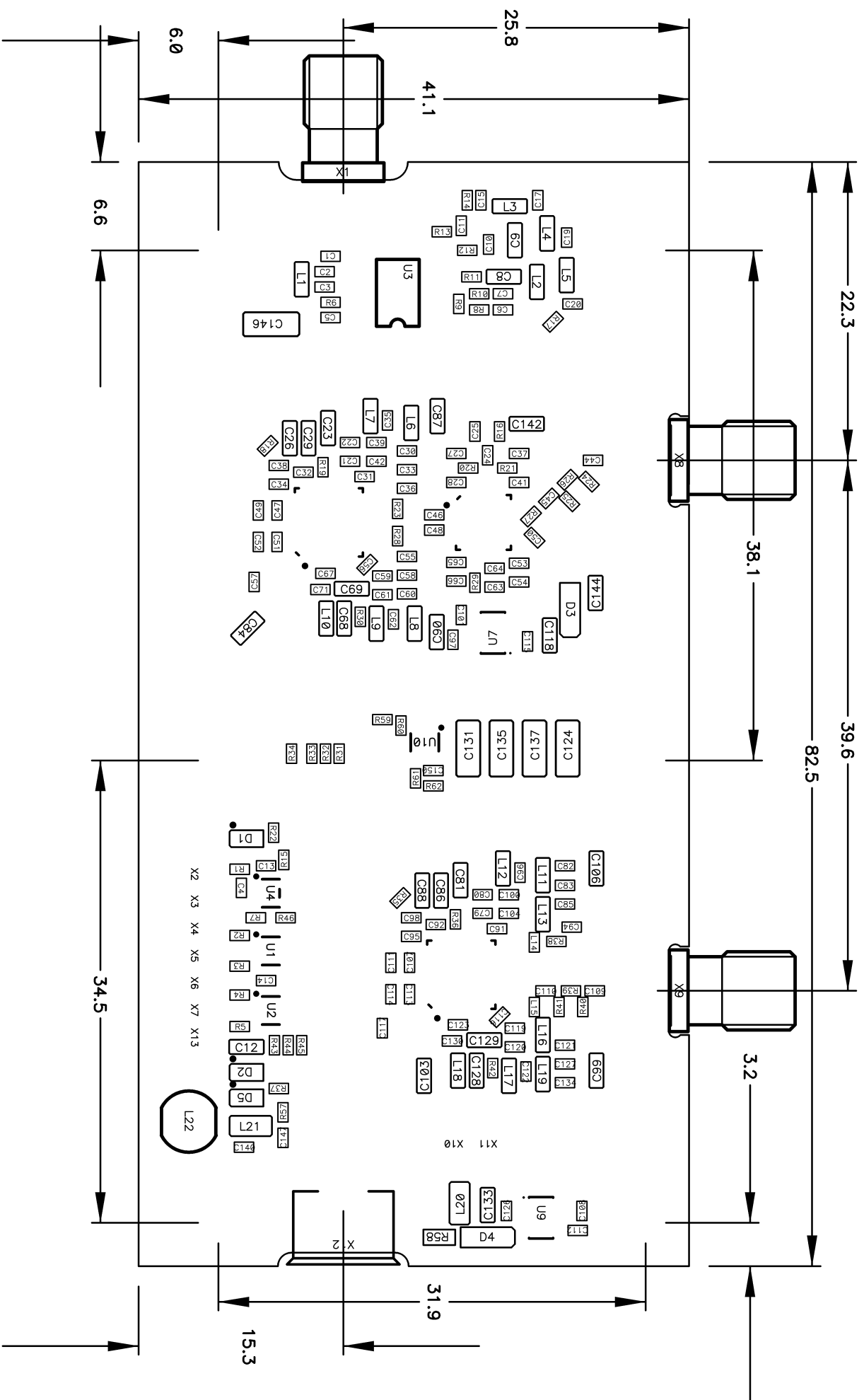
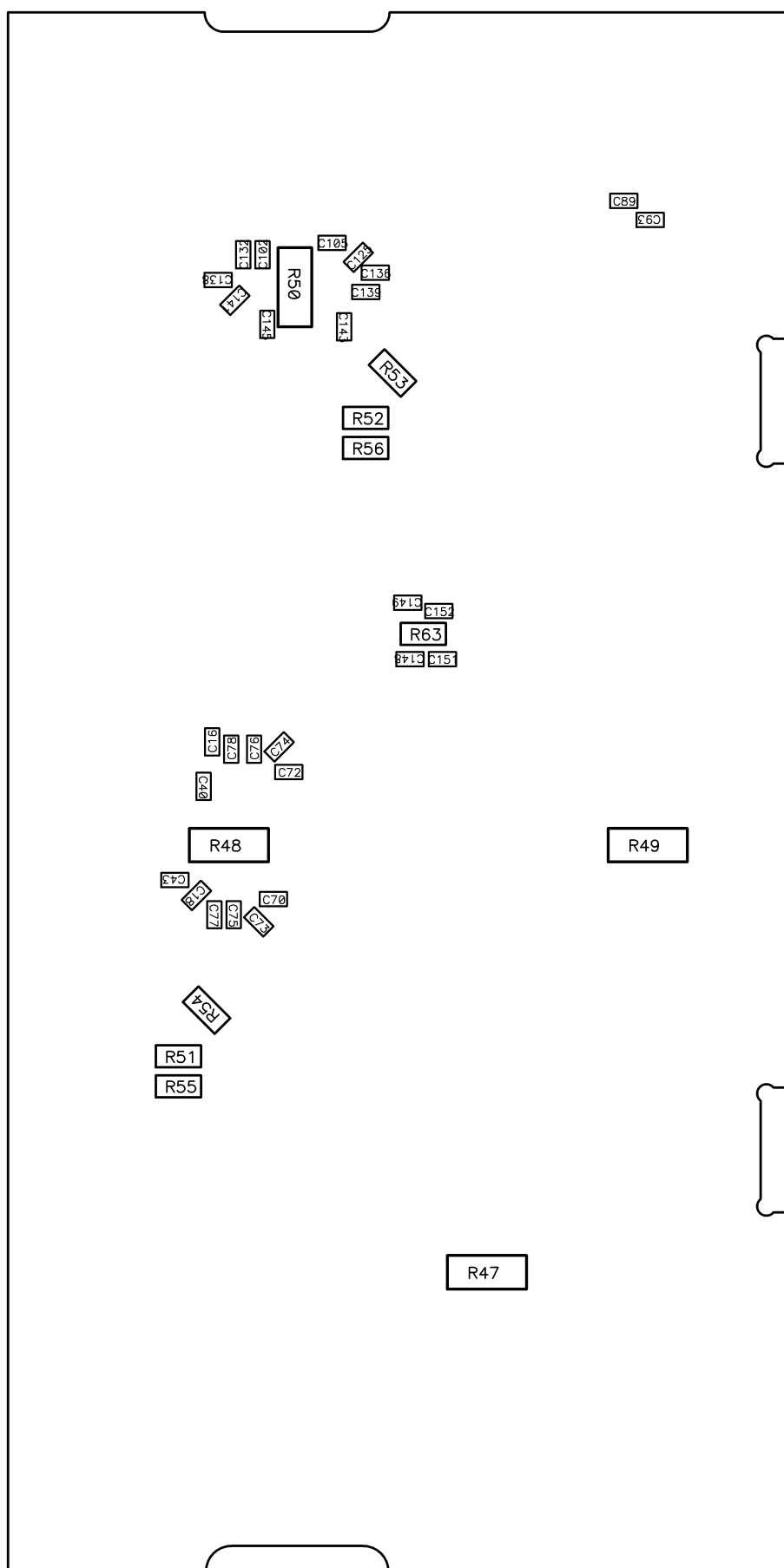


## OSA-6G Module

*PCB layout and schematic diagram (PCB revision 5)*









|    |         |      |    |   |
|----|---------|------|----|---|
| 1  | 0       | 0603 | 8  | R51 R52 R53 R54 R55 R56 R58 L1          |
| 2  | 0       | 1206 | 4  | R47 R48 R49 R50                         |
| 3  | 0       | 0402 | 2  | L15 L14                                 |
| 4  | 15      | 0402 | 4  | R15 R17 R26 R62                         |
| 5  | 24.9 1% | 0402 | 1  | R27                                     |
| 6  | 49.9 1% | 0402 | 6  | R6 R20 R21 R23 R28 R39                  |
| 7  | 68      | 0402 | 1  | R38                                     |
| 8  | 75      | 0402 | 3  | R8 R14 R16                              |
| 9  | 100     | 0402 | 1  | R40                                     |
| 10 | 130     | 0402 | 10 | R31 R32 R33 R34 R41 R43 R44 R45 R46 R61 |
| 11 | 150     | 0402 | 1  | R10                                     |
| 12 | 240     | 0402 | 10 | R1 R2 R3 R4 R5 R18 R30 R35 R42 R59      |
| 13 | 330     | 0402 | 3  | R12 R24 R25                             |
| 14 | 1k      | 0402 | 3  | R13 R29 R57                             |
| 15 | 2k      | 0402 | 1  | R9                                      |
| 16 | 5.11k   | 0402 | 6  | R7 R19 R22 R36 R37 R60                  |
|    | не уст. |      | 1  | R11                                     |

|    |         |      |    |  |
|----|---------|------|----|--|
| 1  | 10p     | 0402 | 27 | C16 C18 C40 C43 C70 C72 C73 C74 C75 C76 C77 C78 C89 C102 C105 C125 C132 C136 C138 C139 C141 C143 C145 C148 C149 C151 C152              |
| 2  | 39p     | 0402 | 1  | C6   |
| 3  | 100p    | 0402 | 32 | C15 C20 C21 C28 C31 C32 C34 C36 C41 C42 C47 C51 C53 C55 C56 C59 C64 C65 C67 C79 C85 C91 C92 C93 C95 C104 C107 C113 C116 C119 C121 C123 |
| 4  | 220p    | 0402 | 2  | C17 C19  |
| 5  | 820p    | 0603 | 2  | C23 C81  |
| 6  | 1n      | 0402 | 5  | C46 C48 C94 C109 C110  |
| 7  | 10n     | 0603 | 2  | C69 C129   |
| 8  | 10n     | 0402 | 19 | C33 C39 C44 C45 C49 C50 C52 C57 C58 C61 C83 C100 C101 C111 C112 C114 C117 C120 C127  |
| 9  | 0.1u    | 0603 | 2  | C68 C128   |
| 10 | 0.1u    | 0402 | 23 | C1 C4 C5 C7 C10 C11 C13 C14 C24 C25 C27 C37 C54 C63 C66 C71 C97 C108 C115 C126 C130 C140 C147  |
| 11 | 1u      | 0603 | 2  | C29 C86  |
| 12 | 1u      | 0402 | 13 | C22 C30 C35 C38 C60 C62 C80 C82 C96 C98 C122 C134 C150   |
| 13 | 10u     | 0603 | 12 | C9 C12 C84 C87 C90 C99 C103 C106 C118 C133 C142 C144   |
| 14 | 100u    | 1206 | 2  | C137 C146  |
|    | не уст. |      | 8  | C2 C3 C8 C26 C88 C124 C131 C135  |

|   |                |      |    |  |
|---|----------------|------|----|--|
| 1 | BLM21AG102     | 0805 | 2  | L20 L21                                |
| 2 | BLM18PG221     | 0603 | 11 | L2 L6 L7 L8 L9 L10 L11 L12 L17 L18 L19 |
| 3 | LQW18ANR47G00D | 0603 | 5  | L3 L4 L5 L13 L16                       |
| 4 | не уст.        |      | 1  | L22                                    |

|   |             |         |   |       |
|---|-------------|---------|---|-------|
| 1 | LED зелёный | 0603    | 1 | D5    |
| 2 | LED красный | 0603    | 2 | D1 D2 |
| 3 | 1N4148WS    | SOD_323 | 2 | D3 D4 |

|   |          |         |   |       |
|---|----------|---------|---|-------|
| 1 | TPS79333 | sot23-5 | 2 | U7 U9 |
| 2 | AD8009   | SOIC-8  | 1 | U3    |

|   |           |          |   |           |
|---|-----------|----------|---|-----------|
| 3 | ADL5801   | LFCSP_VQ | 1 | U5        |
| 4 | MAX2871   |          | 2 | U6 U8     |
| 5 | 74LVC1G04 | SOT353   | 1 | U4        |
| 6 | nc7wz16p6 | SOT353   | 3 | U1 U2 U10 |