



**Bezeichnung: Eload**

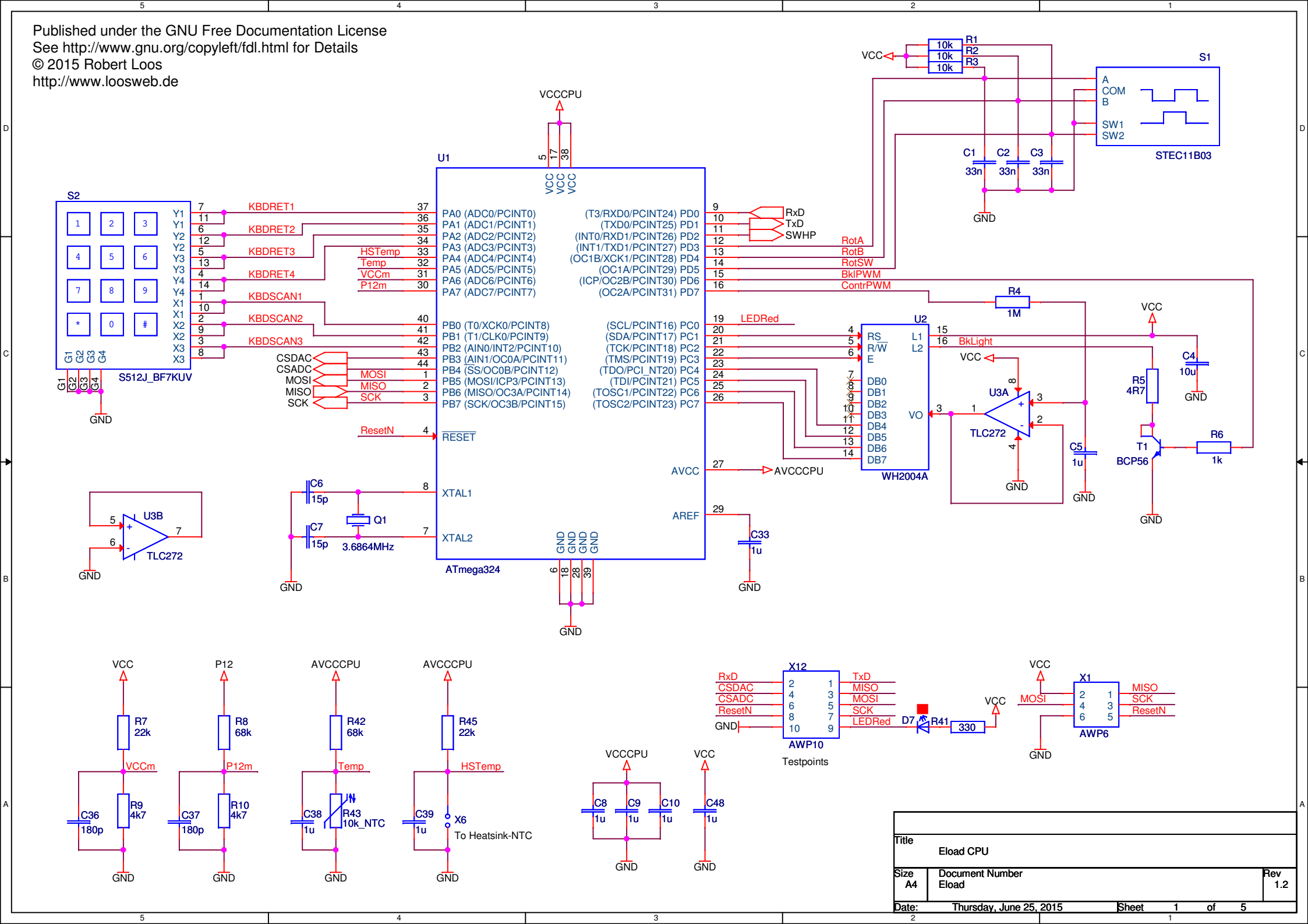
Artikelnummer: 12677

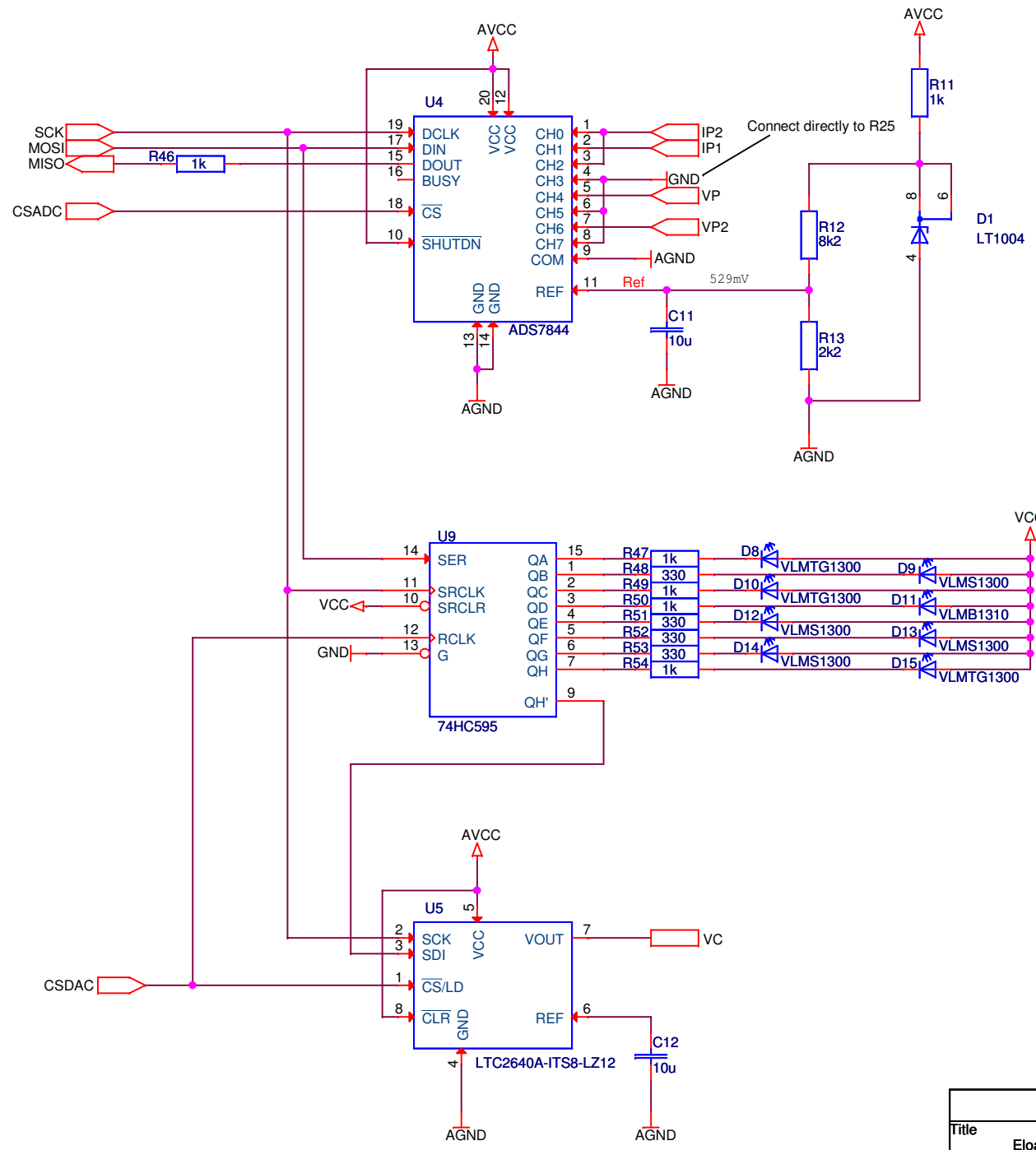
Revision: 1.2

Datum: 16.07.2015

Bearbeiter: Loos

Bemerkung:

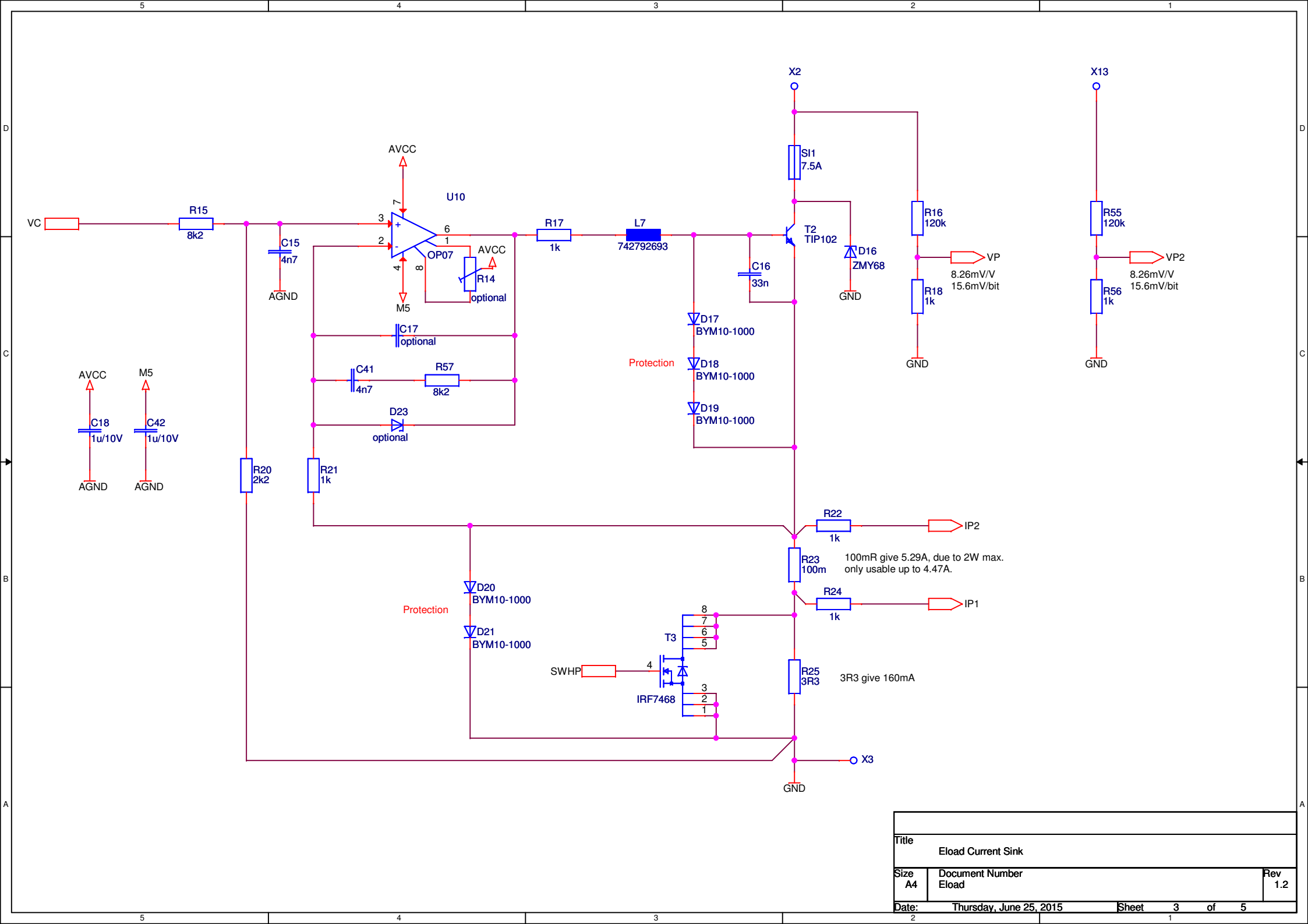




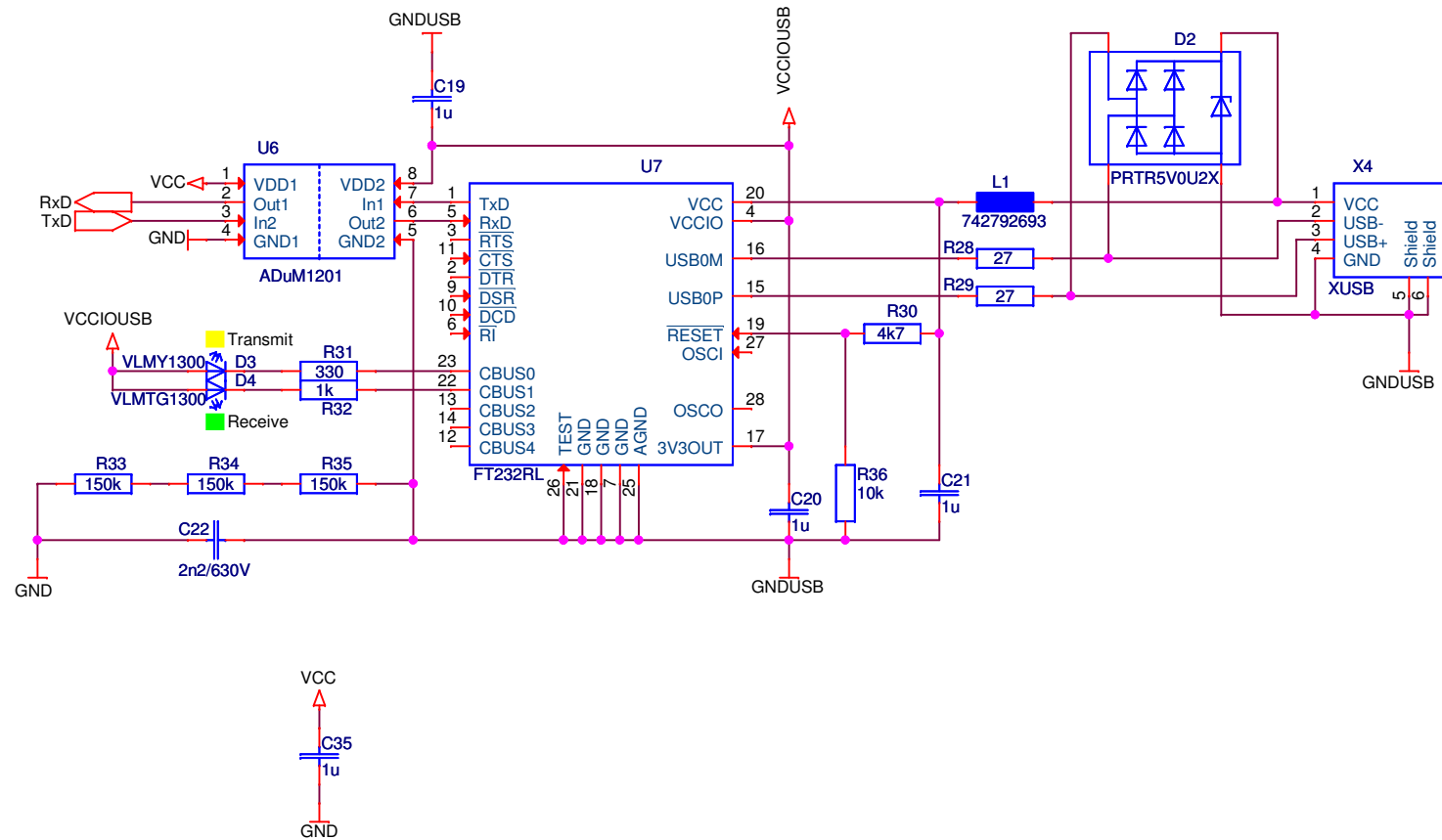
- Power Green
- Power Red
- Range Green
- Range Blue
- Overtemp
- SOA
- Fuse
- Spare

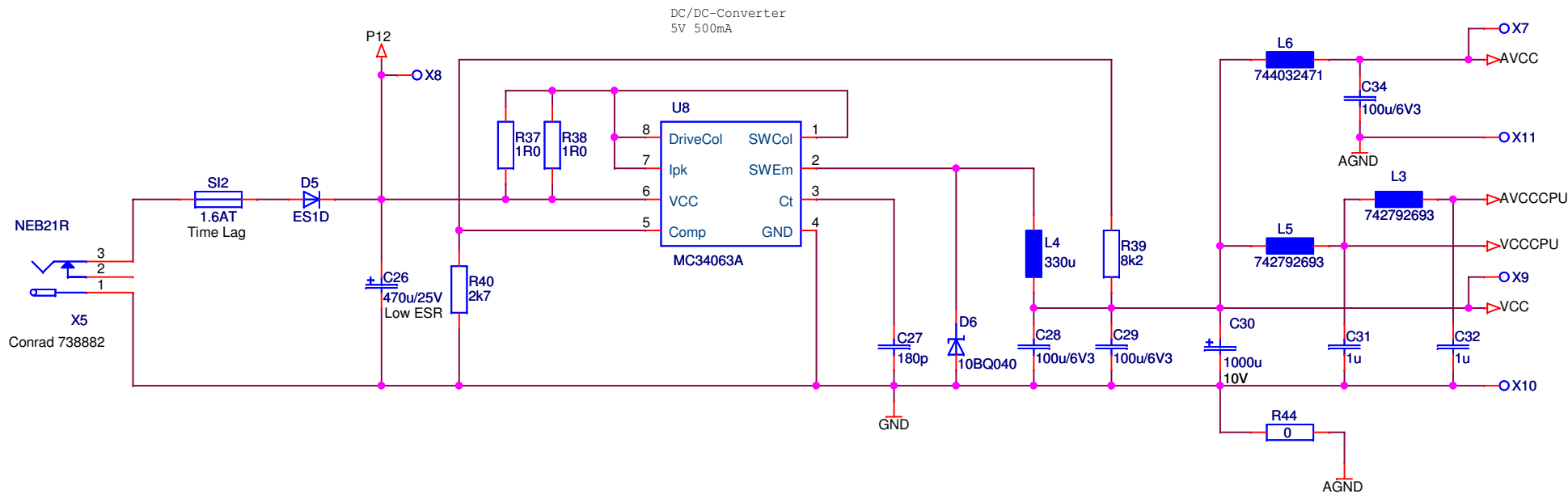
A1  
Mentor 1272.1026  
Lightpipe 5-fold

|               |                         |              |
|---------------|-------------------------|--------------|
| Title         |                         |              |
| Eload ADC/DAC |                         |              |
| Size          | Document Number         | Rev          |
| A4            | Eload                   | 1.2          |
| Date:         | Thursday, June 25, 2015 | Sheet 2 of 5 |

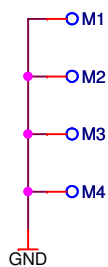


|                    |                         |  |              |
|--------------------|-------------------------|--|--------------|
| Title              |                         |  |              |
| Eload Current Sink |                         |  |              |
| Size               | Document Number         |  | Rev          |
| A4                 | Eload                   |  | 1.2          |
| Date:              | Thursday, June 25, 2015 |  | Sheet 3 of 5 |

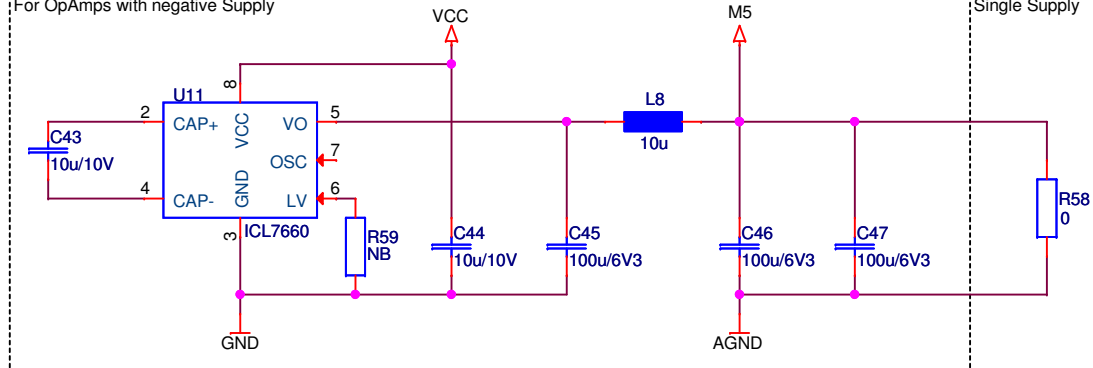




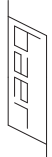
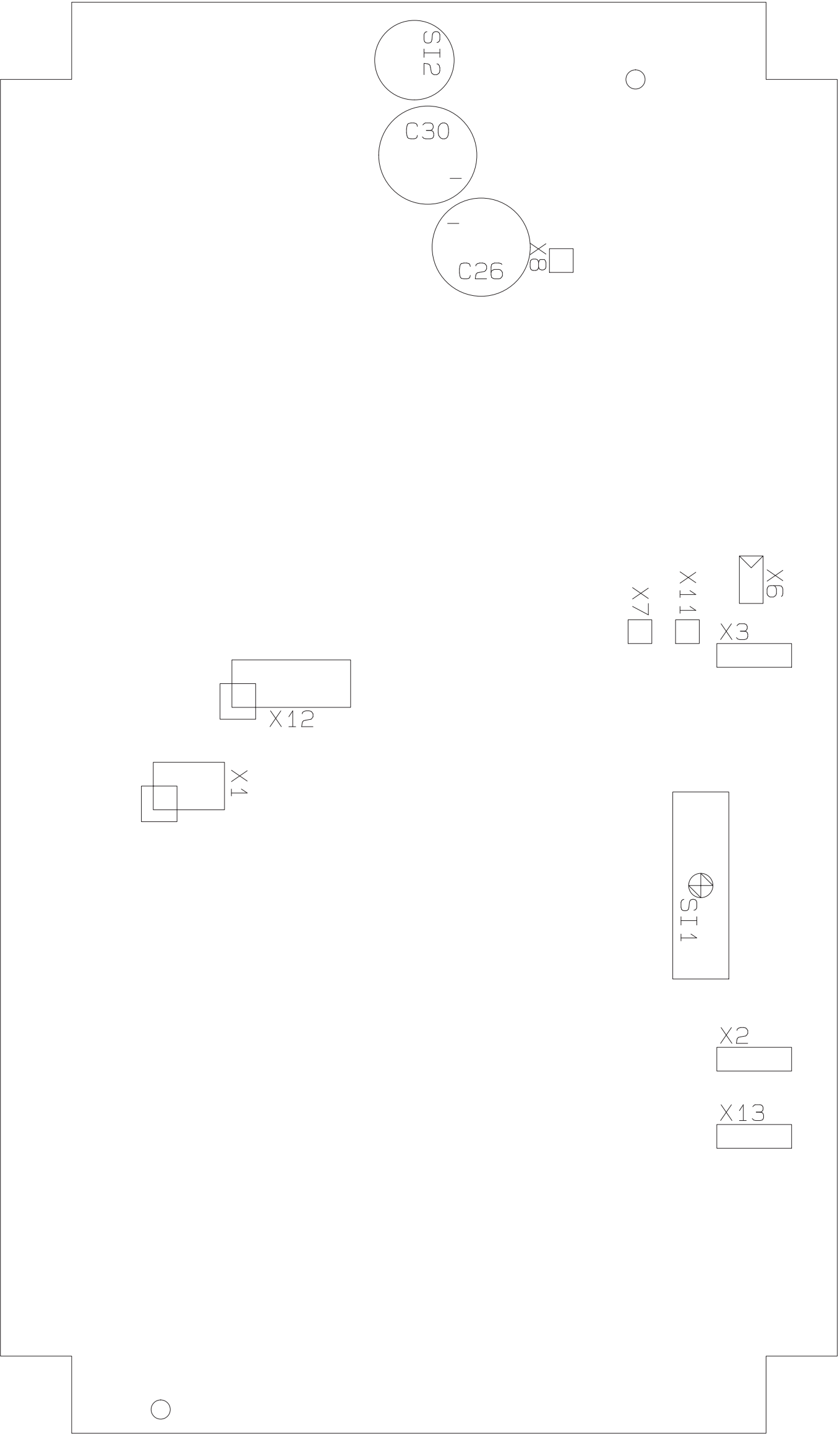
Mounting Holes

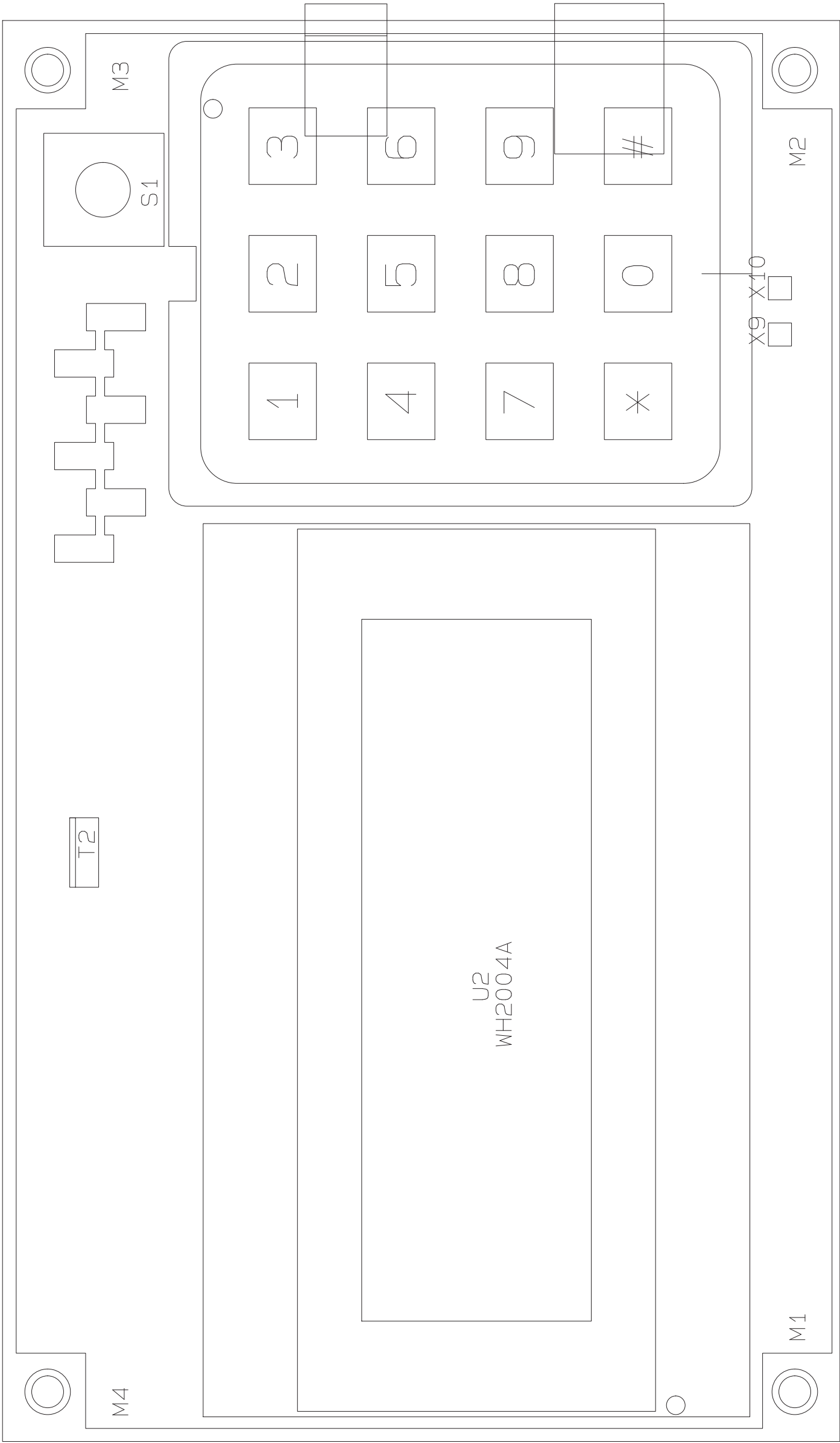


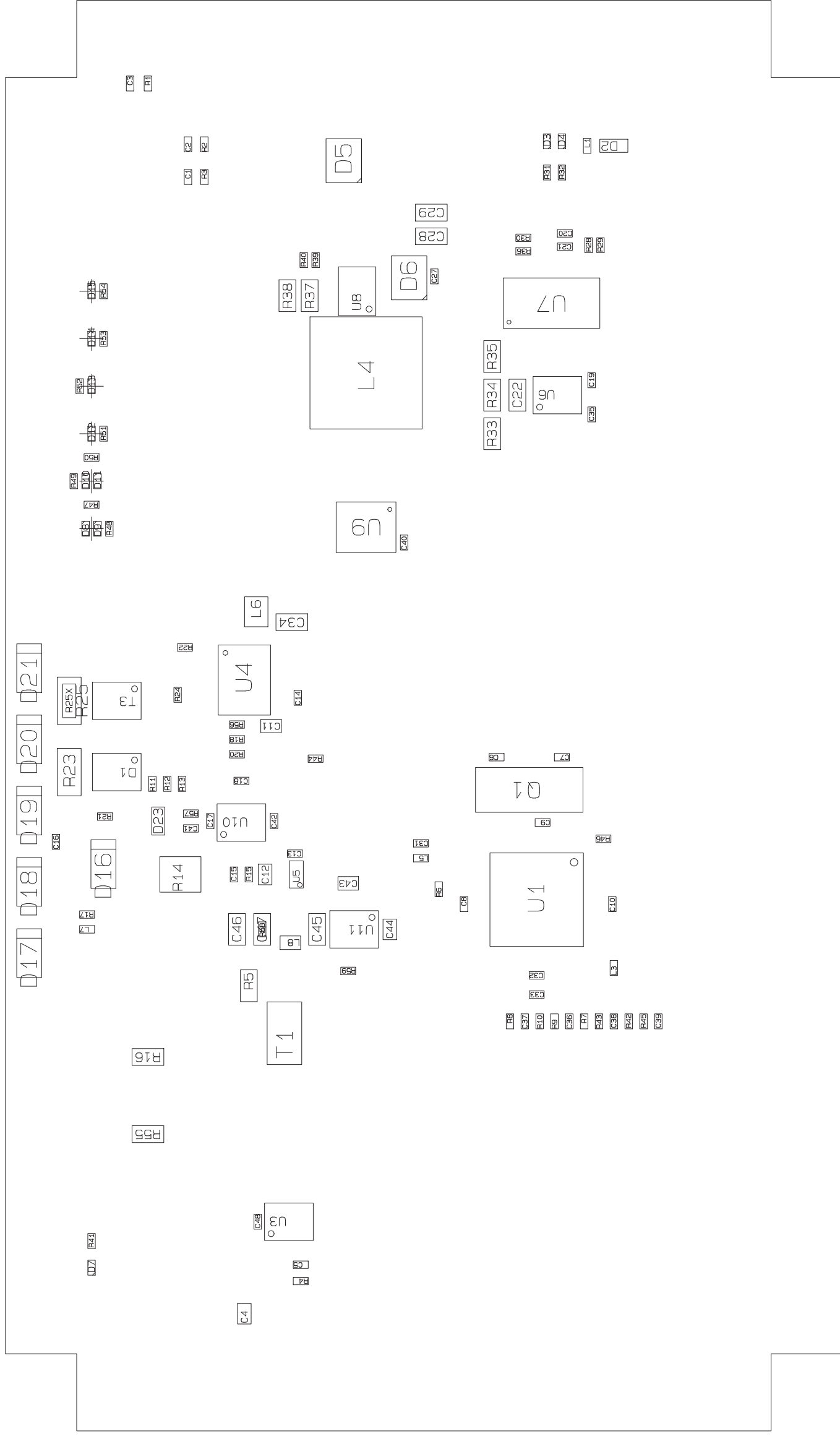
For OpAmps with negative Supply



|                    |                         |  |              |
|--------------------|-------------------------|--|--------------|
| Title              |                         |  |              |
| Eload Power Supply |                         |  |              |
| Size               | Document Number         |  | Rev          |
| A4                 | Eload                   |  | 1.2          |
| Date:              | Thursday, June 25, 2015 |  | Sheet 5 of 5 |







**baen** Eload Rev 1.2  
Industrietechnik GmbH Nürnberg  
Bestückung SMD Bauteilseite

Eload CPU Revised: Thursday, June 25, 2015

Eload Revision: 1.2

Bill Of Page1

| Item | Quantity | Reference                                                            | Part             | BaerNo. |
|------|----------|----------------------------------------------------------------------|------------------|---------|
| 1    | 1        | A1                                                                   | Mentor 1272.1026 | #12773  |
| 2    | 4        | C1,C2,C3,C16                                                         | 33n              | #11291  |
| 3    | 3        | C4,C11,C12                                                           | 10u              | #11521  |
| 4    | 17       | C5,C8,C9,C10,C13,C14,C19,C20,C21,<br>C31,C32,C33,C35,C38,C39,C40,C48 | 1u               | #11161  |
| 5    | 2        | C6,C7                                                                | 15p              | #12136  |
| 6    | 2        | C15,C41                                                              | 4n7              | #12189  |
| 7    | 3        | R14,C17,D23                                                          | optional         | #       |
| 8    | 2        | C18,C42                                                              | 1u/10V           | #11161  |
| 9    | 1        | C22                                                                  | 2n2/630V         | #11614  |
| 10   | 1        | C26                                                                  | 470u/25V         | #9295   |
| 11   | 3        | C27,C36,C37                                                          | 180p             | #11188  |
| 12   | 6        | C28,C29,C34,C45,C46,C47                                              | 100u/6V3         | #12101  |
| 13   | 1        | C30                                                                  | 1000u            | #9296   |
| 14   | 2        | C43,C44                                                              | 10u/10V          | #11521  |
| 15   | 1        | D1                                                                   | LT1004           | #10593  |
| 16   | 1        | D2                                                                   | PRTR5V0U2X       | #12231  |
| 17   | 1        | D3                                                                   | VLMY1300         | #12232  |
| 18   | 4        | D4,D8,D10,D15                                                        | VLMTG1300        | #12639  |
| 19   | 1        | D5                                                                   | ES1D             | #9832   |
| 20   | 1        | D6                                                                   | 10BQ040          | #10088  |
| 21   | 5        | D7,D9,D12,D13,D14                                                    | VLMS1300         | #10760  |
| 22   | 1        | D11                                                                  | VLMB1310         | #12445  |
| 23   | 1        | D16                                                                  | ZMY68            | #12727  |
| 24   | 5        | D17,D18,D19,D20,D21                                                  | BYM10-1000       | #6541   |
| 25   | 4        | L1,L3,L5,L7                                                          | 742792693        | #9981   |
| 26   | 1        | L4                                                                   | 330u             | #10671  |
| 27   | 1        | L6                                                                   | 744032471        | #12086  |
| 28   | 1        | L8                                                                   | 10u              | #12188  |
| 29   | 4        | M1,M2,M3,M4                                                          | M2.5x15          | #968    |
| 30   | 1        | Q1                                                                   | 3.6864MHz        | #11620  |
| 31   | 4        | R1,R2,R3,R36                                                         | 10k              | #11164  |
| 32   | 1        | R4                                                                   | 1M               | #11162  |
| 33   | 1        | R5                                                                   | 4R7              | #12492  |
| 34   | 14       | R6,R11,R17,R18,R21,R22,R24,R32,<br>R46,R47,R49,R50,R54,R56           | 1k               | #11191  |
| 35   | 2        | R7,R45                                                               | 22k              | #11699  |
| 36   | 2        | R8,R42                                                               | 68k              | #12259  |
| 37   | 3        | R9,R10,R30                                                           | 4k7              | #12159  |
| 38   | 4        | R12,R15,R39,R57                                                      | 8k2              | #11194  |
| 39   | 2        | R13,R20                                                              | 2k2              | #11187  |
| 40   | 2        | R16,R55                                                              | 120k             | #7979   |

|    |                           |                    |                 |
|----|---------------------------|--------------------|-----------------|
| 41 | 1 R23                     | 100m               | #12772          |
| 42 | 1 R25                     | 3R3                | #12771          |
| 43 | 2 R28,R29                 | 27                 | #12109          |
| 44 | 6 R31,R41,R48,R51,R52,R53 | 330                | #11170          |
| 45 | 3 R33,R34,R35             | 150k               | #7981           |
| 46 | 2 R37,R38                 | 1R0                | #7975           |
| 47 | 1 R40                     | 2k7                | #11697          |
| 48 | 1 R43                     | 10k_NTC            | #11028          |
| 49 | 2 R44,R58                 | 0                  | #11172          |
| 50 | 1 R59                     | NB                 | #               |
| 51 | 1 SI1                     | 7.5A               | #12313+12682    |
| 52 | 1 SI2                     | 1.6AT              | #12354          |
| 53 | 1 S1                      | STEC11B03          | #12239+12689    |
| 54 | 1 S2                      | S512J_BF7KUV       | #12241          |
| 55 | 1 T1                      | BCP56              | #7968           |
| 56 | 1 T2                      | TIP102             | #12766          |
| 57 | 1 T3                      | IRF7468            | #11990          |
| 58 | 1 U1                      | ATmega324          | #11886          |
| 59 | 1 U2                      | WH2004A            | #7673+448+12770 |
| 60 | 1 U3                      | TLC272             | #7973           |
| 61 | 1 U4                      | ADS7844            | #12251          |
| 62 | 1 U5                      | LTC2640A-ITS8-LZ12 | #12783          |
| 63 | 1 U6                      | ADuM1201           | #12722          |
| 64 | 1 U7                      | FT232RL            | #11984          |
| 65 | 1 U8                      | MC34063A           | #11865          |
| 66 | 1 U9                      | 74HC595            | #12252          |
| 67 | 1 U10                     | OP07               | #               |
| 68 | 1 U11                     | ICL7660            | #765            |
| 69 | 1 X1                      | AWP6               | #3810           |
| 70 | 3 X2,X3,X13               | X_8196             | #5628           |
| 71 | 1 X4                      | XUSB               | #11987          |
| 72 | 1 X5                      | NEB21R             | #12244          |
| 73 | 1 X6                      | AWP2.1J            | #776            |
| 74 | 5 X7,X8,X9,X10,X11        | TERM               | #709            |
| 75 | 1 X12                     | AWP10              | #778            |