

# Bill of Materials

Bill of Materials For Variant [0460 0112 02] of Project [0216 0112.PrjPcb] (No PCB Doc

Source Data From: 0216 0112.PrjPcb  
 Project: 0216 0112.PrjPcb  
 Variant: 0460 0112 02

Creation Date: 27.04.2017 14:52:13  
 Print Date: 27-Apr-17 2:52:16 PM

| Footprint    | Comment        | LibRef     | Designator  | Description                                  | Quantity |
|--------------|----------------|------------|---|--|----------|
| Constrains   | Constrains     | Constrains |   |  | 1        |
| AOI_Label63  | AOI Label      | 815        | AOI_BOT, AOI_TOP  | AOI Label 6,3x6,3mm                          | 2        |
| C0805_keme   | 1uF            | 183        | C13   | Chip capacitor                               | 1        |
| C0603        | 100nF          | 190        | C14, C33, C34, C43  | Cap;100nF;50V;C0603;X7R;10%;, Chip capacitor | 4        |
| C0402        | 100nF          | 193        | C15, C16, C17, C18, C19, C24, C31, C36, C40, C41, C42                           | Chip capacitor                               | 11       |
| C0402        | 10pF           | 203        | C25, C26  | Chip capacitor                               | 2        |
| C0603        | 10uF           | 201        | C35   | Chip capacitor                               | 1        |
| C0402        | 10nF           | 197        | C37, C38  | Chip capacitor                               | 2        |
| C1210_320X2  | 10uF           | 215        | C39   | Chip capacitor                               | 1        |
| 50X270       |                |            |   |  |          |
| TANTAL_SIZ   | 330uF          | 228        | C44   | Cap;330uF;10V;SIZE_D;tantal;20%;             | 1        |
| E_D          |                |            |   |  |          |
| MELF_DIO19   | MCL4148        | 373        | D6  | Fast Switching Diode                         | 1        |
| 12           |                |            |   |  |          |
| SOT23_3_13   | BAT54C         | 586        | D7  | Schottky Dioden, Gemeinsame Kathode          | 1        |
| 2            |                |            |   |  |          |
| SOD123W      | PMEG4030       | 374        | D8  | Schottky barrier rectifier                   | 1        |
| SOD323       | PESD12VL1BA    | 1099       | D9, D10, D12, D13   | Diode,bidirect,ESD,PESD12VL1BA,SOD323        | 4        |
|              | Firmware       | 1275       | FW1   | Firmware for 0460 0112 01                    | 1        |
| LQFP50P120   | MK20DX128VLK   | 321        | IC2_  | CPU  | 1        |
| DX1200-80N   |                |            |   |  |          |
| 7            |                |            |   |  |          |
| MLF127P600   | AT45DB081E     | 406        | IC3   | Serial-Interface Flash Memory                | 1        |
| X500-8N      |                |            |   |  |          |
| SOT89_3      | S-812C33       | 290        | IC4   | LDO voltage regulator                        | 1        |
| L_BLE110P1   | BLUETOOTH      | 989        | IC6   | Bluetooth module, L series, Lierda           | 1        |
| 038X1451_33  | MODULE_hierda  |            |   |  |          |
| N            |                |            |   |  |          |
| Wuerth_631_  | Wuerth 631 008 | 803        | J2  | Mini DIN Connector 8pin                      | 1        |
| 008_110_21   |                |            |   |  |          |
| JAWS_F2MD    | F2MD43D08GF    | 491        | J4  | Female Header 8p. Straight Dual Row          | 1        |
| 43D08GFDA    | DA62000S       |            |   |  |          |
| 62000S       |                |            |   |  |          |
| LED_300X25   | WU-4-403RGC    | 660        | LED1, LED2  | 2 fach Leds, Green/Rot                       | 2        |
| DX130        |                |            |   |  |          |
| battery      | 0173 0288      | 1269       | M2, P2  | BATTERYCONTACT                               | 2        |
| contact_0173 |                |            |   |  |          |
| 0288         |                |            |   |  |          |
| SOT23_3_21   | BC849B         | 607        | Q1, Q2, Q5, Q6, Q8, Q9, Q10, Q11, Q12   | NPN Transistor                               | 9        |
| 3            |                |            |   |  |          |
| SOT23_3_13   | PMV65XP        | 400        | Q3, Q4, Q7  | P Channel MOSFET                             | 3        |
| 2            |                |            |   |  |          |
| SOT23_3_13   | 2N7002K        | 605        | Q13   | MOSFET N Kanal                               | 1        |
| 2            |                |            |   |  |          |
| R0402        | 100k           | 59         | R3, R6, R7, R8, R14, R17, R22, R23, R24, R25, R28, R30, R31, R32, R47, R50, R52 | chip resistor, Res.;100k;R0402;1%;100ppm/K   | 17       |
| R0402        | 10K            | 46         | R4, R5, R9, R10, R11, R12, R13, R15, R21, R39, R40                              | chip resistor, Res.;10K;R0402;1%;100ppm/K    | 11       |
| R0402        | 432            | 28         | R18, R34  | Res.;432;R0402;1%;100ppm/K                   | 2        |
| R0402        | 1K             | 33         | R19   | chip resistor                                | 1        |
| R0402        | 261            | 25         | R29, R36  | Res.;261;R0402;1%;100ppm/K                   | 2        |
| R0402        | 487            | 29         | R37, R38  | Res.;487;R0402;1%;100ppm/K                   | 2        |
| R0402        | 1Meg           | 63         | R41   | chip resistor                                | 1        |
| R0402        | 0              | 10         | R42, R43, R44, R45, R46   | chip resistor                                | 5        |
| R0402        | 20K            | 51         | R48, R51  | chip resistor, Res.;20K;R0402;1%;100ppm/K    | 2        |
| R0402        | 4.32K          | 41         | R49   | chip resistor                                | 1        |
| TS-A87-S100  | TS-A87-S100    | 852        | SW3   | Tact Switch Straight                         | 1        |
| QUARTZ-      | 32.768kHz      | 665        | Y2  | Quartz, FC-135                               | 1        |
| JTX310       |                |            |   |  |          |

| Approved | Notes |
|----------|-------|
|          |       |
|          |       |
|          |       |