

## Order list for PCB 10.4, PCB 12.3, PCB 13.1, PCB 14.1 from 4. 5. 2014

### PCB 10.4 (Controller)

| No         | Vendor                  | Part No              | Description                                      | Quantity | Price  | Total price |
|------------|-------------------------|----------------------|--|----------|--------|-------------|
| 1          | Blitzortung             | PCB-10.5             | Controler board PCB 10 Version 5                 | 1        | 7,50€  | 7,50€       |
| 2          | Mouser                  | 511-STM32F4DISCOVERY | STM32F4DISCOVERY                                 | 1        | 20,00€ | 20,00€      |
| 3          | http://www.mirifica.eu/ | 24432                | GlobalTop PA6H, GPS receiver (MediaTek MT3339)   | 1        | 20,00€ | 20,00€      |
| 4          | eBay                    |                      | GPA external antenna (SMA, 3,6 Volt, 5 m)        | 1        | 20,00€ | 20,00€      |
| 5          | eBay                    |                      | HanRun RJ45 connector with integrated magnetics  | 1        | 2,00€  | 2,00€       |
| 6          | Reichelt                | LCD 122DIP           | Grafikmodul Anschluss an 8-bit Datenbus          | 1        | 22,00€ | 22,00€      |
| 7          | Reichelt                | ENC 28J60-I/SP       | Ethernet Controller, Stand-Alone, S-DIL-28       | 1        | 3,20€  | 3,20€       |
| 8          | Reichelt                | LF 33 CV             | Festspannungsregler, +3,3V, TO-220               | 1        | 0,80€  | 0,80€       |
| 9          | Reichelt                | 1N 4148              | Planar Epitaxial Schaltdiode, DO35, 100V, 0,15A  | 12       | 0,05€  | 0,60€       |
| 10         | Reichelt                | 1N 5818              | Schottky Diode, DO41, 30V, 1A                    | 8        | 0,10€  | 0,80€       |
| 11         | Reichelt                | LED 3MM GN           | LED, 3mm, Low Cost, grün                         | 1        | 0,10€  | 0,10€       |
| 12         | Reichelt                | BC 338-25            | Transistor NPN TO-92 25V 0,5A 0,625W             | 2        | 0,10€  | 0,20€       |
| 13         | Reichelt                | RAD FC 470/16        | Elko radial, 105°C, low ESR, 470uF/16V, RM 5,0mm | 1        | 0,30€  | 0,30€       |
| 14         | Reichelt                | RAD FC 100/25        | Elko radial, 105°C, low ESR, 100uF/25V, RM 2,5mm | 4        | 0,15€  | 0,60€       |
| 15         | Reichelt                | Z5U-2,5 220N         | Vielschicht-Keramikkondensator 220N, 20%         | 6        | 0,15€  | 0,90€       |
| 16         | Reichelt                | Z5U-2,5 100N         | Vielschicht-Keramikkondensator 100N, 20%         | 12       | 0,10€  | 1,20€       |
| 17         | Reichelt                | KERKO 18P            | Keramik-Kondensator 18P                          | 2        | 0,10€  | 0,20€       |
| 18         | Reichelt                | L-HBCC 10µ           | Festinduktivität, axial, HBCC, Ferrit 10µ        | 3        | 0,30€  | 0,90€       |
| 19         | Reichelt                | METALL 10,0K         | Metallschichtwiderstand 10,0 K-Ohm               | 4        | 0,10€  | 0,40€       |
| 20         | Reichelt                | METALL 2,20K         | Metallschichtwiderstand 2,20 K-Ohm               | 4        | 0,10€  | 0,40€       |
| 21         | Reichelt                | METALL 1,00K         | Metallschichtwiderstand 1,00 K-Ohm               | 3        | 0,10€  | 0,30€       |
| 22         | Reichelt                | METALL 680           | Metallschichtwiderstand 680 Ohm                  | 3        | 0,10€  | 0,30€       |
| 23         | Reichelt                | METALL 470           | Metallschichtwiderstand 470 Ohm                  | 1        | 0,10€  | 0,10€       |
| 24         | Reichelt                | METALL 330           | Metallschichtwiderstand 330 Ohm                  | 4        | 0,10€  | 0,40€       |
| 25         | Reichelt                | METALL 49,9          | Metallschichtwiderstand 49,9 Ohm                 | 4        | 0,10€  | 0,40€       |
| 26         | Reichelt                | METALL 47,0          | Metallschichtwiderstand 47,0 Ohm                 | 1        | 0,10€  | 0,10€       |
| 27         | Reichelt                | METALL 10,0          | Metallschichtwiderstand 10,0 Ohm                 | 2        | 0,10€  | 0,20€       |
| 28         | Reichelt                | SIL 9-8 100          | Widerstands-Netzwerk, 8Wid./9Pins, 100 Ohm       | 1        | 0,15€  | 0,15€       |
| 29         | Reichelt                | SIL 9-8 10K          | Widerstands-Netzwerk, 8Wid./9Pins, 10 K-Ohm      | 1        | 0,15€  | 0,15€       |
| 30         | Reichelt                | SIL 6-3 1,0K         | Widerstands-Netzwerk, 3Wid./6Pins, 1 K-Ohm       | 2        | 0,15€  | 0,30€       |
| 31         | eBay                    |                      | SMA Einbaubuchse 90° 50 Ohm Vergoldet            | 1        | 1,50€  | 1,50€       |
| 32         | Reichelt                | USB BWM              | USB-Einbaubuchse, B-Mini, gew., Printmontage     | 1        | 1,10€  | 1,10€       |
| 33         | Reichelt                | MEBP 8-8G            | Modular-Einbaubuchse 8/8, geschirmt              | 2        | 0,60€  | 1,20€       |
| 34         | Reichelt                | GS 28P-S             | IC-Sockel, 28-polig, superflach, gedreht, schmal | 1        | 0,50€  | 0,50€       |
| 35         | Reichelt                | SL 1X36W 2,54        | 36pol. Stiftleiste, gewinkelt, RM 2,54           | 1        | 0,35€  | 0,35€       |
| 36         | Reichelt                | SUMMER EPM 121       | Piezo-Schallwandler                              | 1        | 0,80€  | 0,80€       |
| 37         | Reichelt                | 25,0000-HC49U-S      | Standardquarz, 3. Oberton, 25,0 MHz              | 1        | 0,25€  | 0,25€       |
| 38         | Reichelt                | BL 2X25G8 2,54       | 2x25pol. Buchsenl., gerade, RM 2,54, H.: 8,5mm   | 2        | 1,00€  | 2,00€       |
| 39         | Reichelt                | MPE 156-1-010        | Buchsenleisten 2,00 mm, 1X10, gerade             | 2        | 0,50€  | 1,00€       |
| 40         | Reichelt                | AKL 101-02           | Anschlussklemme 2-polig, RM 5,08                 | 1        | 0,40€  | 0,40€       |
| 41         | Reichelt                | JUMPER 2,54 SW       | Kurzschlussbrücke, schwarz, RM 2,54              | 4        | 0,10€  | 0,40€       |
| <b>Sum</b> |                         |                      |  |          |        | 114,00€     |

### PCB 12.3c (two channel amplifier for magnetic antennas)

| No | Vendor      | Part No             | Description                                     | Quantity | Price | Total price |
|----|-------------|---------------------|---|----------|-------|-------------|
| 1. | Blitzortung | PCB-12.3c           | Amplifier board PCB 12 Version 3c               | 1        | 7,50€ | 7,50€       |
| 2. | Mouser      | 579-MCP6S91-E/SN    | 579-MCP6S91-E/SN SOIC-8                         | 4        | 1,00€ | 4,00€       |
| 3. | Mouser      | 579-MCP6292-E/SN    | 579-MCP6292-E/SN SOIC-8                         | 2        | 1,00€ | 2,00€       |
| 4. | Mouser      | 926-LMH6642MAX/NOPB | 926-LMH6642MAX/NOPB SOIC-8 Narrow               | 2        | 1,50€ | 3,00€       |
| 5. | Reichelt    | ATMEGA 8-16 DIP     | ATMega AVR-RISC-Controller, PDIP-28             | 1        | 2,00€ | 2,00€       |
| 6. | Reichelt    | 1N 4148             | Planar Epitaxial Schaltdiode, DO35, 100V, 0,15A | 4        | 0,05€ | 0,20€       |
| 7. | Reichelt    | LED 3MM GE          | LED, 3mm, Low Cost, gelb                        | 4        | 0,10€ | 0,40€       |
| 8. | Reichelt    | LED 3MM GN          | LED, 3mm, Low Cost, grün                        | 1        | 0,10€ | 0,10€       |

|            |          |               |  |    |       |        |
|------------|----------|---------------|--|----|-------|--------|
| 9.         | Reichelt | LED 3MM RT    | LED, 3mm, Low Cost, rot                          | 1  | 0,10€ | 0,10€  |
| 10.        | Reichelt | RAD FC 470/16 | Elko radial, 105°C, low ESR, 470uF/16V, RM 5,0mm | 2  | 0,30€ | 0,60€  |
| 11.        | Reichelt | RAD FC 2,2/50 | Elko radial, 105°C, low ESR, 2,2uF/50V, RM 2,0mm | 2  | 0,10€ | 0,20€  |
| 12.        | Reichelt | Z5U-2,5 100N  | Vielschicht-Keramikkondensator 100N, 20%         | 17 | 0,10€ | 1,70€  |
| 13.        | Reichelt | Z5U-2,5 22N   | Vielschicht-Keramikkondensator 22N, 20%          | 2  | 0,10€ | 0,20€  |
| 14.        | Reichelt | Z5U-2,5 10N   | Vielschicht-Keramikkondensator 10N, 20%          | 4  | 0,10€ | 0,40€  |
| 15.        | Reichelt | X7R-2,5 4,7N  | Vielschicht-Keramikkondensator 4,7N, 10%         | 2  | 0,10€ | 0,20€  |
| 16.        | Reichelt | X7R-2,5 6,8N  | Vielschicht-Keramikkondensator 6,8N, 10%         | 2  | 0,10€ | 0,20€  |
| 17.        | Reichelt | X7R-2,5 2,2N  | Vielschicht-Keramikkondensator 2,2N, 10%         | 2  | 0,10€ | 0,20€  |
| 18.        | Reichelt | NPO-2,5 470P  | Vielschicht-Keramikkondensator 470P, 5%          | 2  | 0,10€ | 0,20€  |
| 19.        | Reichelt | L-07HCP 470µ  | Stehende-Induktivität, 07HCP, Ferrit, 470µ       | 1  | 0,40€ | 0,40€  |
| 20.        | Reichelt | SMCC 1,5M     | Drosselspule, Festinduktivität, axial, 1,5M      | 2  | 0,25€ | 0,50€  |
| 21.        | Reichelt | SMCC 3,3M     | Drosselspule, Festinduktivität, axial, 3,3M      | 2  | 0,30€ | 0,60€  |
| 22.        | Reichelt | METALL 100K   | Metallschichtwiderstand 100 K-Ohm                | 4  | 0,10€ | 0,40€  |
| 23.        | Reichelt | METALL 68,0K  | Metallschichtwiderstand 68,0 K-Ohm               | 2  | 0,10€ | 0,20€  |
| 24.        | Reichelt | METALL 22,0K  | Metallschichtwiderstand 22,0 K-Ohm               | 6  | 0,10€ | 0,60€  |
| 25.        | Reichelt | METALL 10,0K  | Metallschichtwiderstand 10,0 K-Ohm               | 7  | 0,10€ | 0,70€  |
| 26.        | Reichelt | METALL 6,80K  | Metallschichtwiderstand 6,80 K-Ohm               | 2  | 0,10€ | 0,20€  |
| 27.        | Reichelt | METALL 2,20K  | Metallschichtwiderstand 2,20 K-Ohm               | 6  | 0,10€ | 0,60€  |
| 28.        | Reichelt | METALL 1,00K  | Metallschichtwiderstand 1,00 K-Ohm               | 4  | 0,10€ | 0,40€  |
| 29.        | Reichelt | METALL 330    | Metallschichtwiderstand 330 Ohm                  | 2  | 0,10€ | 0,20€  |
| 30.        | Reichelt | METALL 47,0   | Metallschichtwiderstand 47,0 Ohm                 | 2  | 0,10€ | 0,20€  |
| 31.        | Reichelt | 76-10 50K     | Cermet-Trimmer, liegend, 10mm, 50 K-Ohm          | 1  | 0,40€ | 0,40€  |
| 32.        | Reichelt | SIL 7-6 1,0K  | Widerstands-Netzwerk, 6Wid./7Pins, 1,0 K-Ohm     | 1  | 0,15€ | 0,15€  |
| 33.        | Reichelt | GS 28P-S      | IC-Sockel, 28-polig, superflach, gedreht, schmal | 1  | 0,50€ | 0,50€  |
| 34.        | Reichelt | TASTER 3301   | Kurzhubtaster 6x6mm, Höhe: 4,3mm, 12V, vertikal  | 1  | 0,30€ | 0,30€  |
| 35.        | Reichelt | MEBP 8-8G     | Modular-Einbaubuchse 8/8, geschirmt              | 1  | 0,60€ | 0,60€  |
| 36.        | Reichelt | AKL 101-04    | Anschlussklemme 4-polig, RM 5,08                 | 1  | 0,50€ | 0,50€  |
| 37.        | Reichelt | USB BWM       | USB-Einbaubuchse, B-Mini, gew., Printmontage     | 1  | 1,10€ | 1,10€  |
| 38.        | Reichelt | SL 1X36G 2,54 | 36pol. Stifteleiste, gerade, RM 2,54             | 1  | 0,20€ | 0,20€  |
| <b>Sum</b> |          |               |  |    |       | 31,95€ |

#### PCB 13.1b (one channel three low pass filter amplifier for electrical antennas)

| No  | Vendor      | Part No             | Description                                      | Quantity | Price | Total price |
|-----|-------------|---------------------|--|----------|-------|-------------|
| 1.  | Blitzortung | PCB-13.1b           | Amplifier board PCB 13 Version 1b                | 1        | 7,50€ | 7,50€       |
| 2.  | Mouser      | 579-MCP6S91-E/SN    | 579-MCP6S91-E/SN SOIC-8                          | 4        | 1,00€ | 4,00€       |
| 3.  | Mouser      | 579-MCP6292-E/SN    | 579-MCP6292-E/SN SOIC-8                          | 1        | 1,00€ | 1,00€       |
| 4.  | Mouser      | 926-LMH6642MAX/NOPB | 926-LMH6642MAX/NOPB SOIC-8 Narrow                | 3        | 1,50€ | 4,50€       |
| 5.  | Mouser      | 595-TLE2426CLPR     | Voltage References Rail Splitter Transistor      | 1        | 2,00€ | 2,00€       |
| 6.  | Reichelt    | ATMEGA 8-16 DIP     | ATMega AVR-RISC-Controller, PDIP-28              | 1        | 2,00€ | 2,00€       |
| 7.  | Reichelt    | LED 3MM GE          | LED, 3mm, Low Cost, gelb                         | 4        | 0,10€ | 0,40€       |
| 8.  | Reichelt    | LED 3MM GN          | LED, 3mm, Low Cost, grün                         | 1        | 0,10€ | 0,10€       |
| 9.  | Reichelt    | LED 3MM RT          | LED, 3mm, Low Cost, rot                          | 1        | 0,10€ | 0,10€       |
| 10. | Reichelt    | RAD FC 470/16       | Elko radial, 105°C, low ESR, 470uF/16V, RM 5,0mm | 2        | 0,30€ | 0,60€       |
| 11. | Reichelt    | RAD FC 2,2/50       | Elko radial, 105°C, low ESR, 2,2uF/50V, RM 2,0mm | 3        | 0,15€ | 0,45€       |
| 12. | Reichelt    | Z5U-2,5 220N        | Vielschicht-Keramikkondensator 220N, 20%         | 1        | 0,15€ | 0,15€       |
| 13. | Reichelt    | Z5U-2,5 100N        | Vielschicht-Keramikkondensator 100N, 20%         | 19       | 0,10€ | 1,90€       |
| 14. | Reichelt    | X7R-2,5 68N         | Vielschicht-Keramikkondensator 68N, 10%          | 2        | 0,10€ | 0,20€       |
| 15. | Reichelt    | X7R-2,5 33N         | Vielschicht-Keramikkondensator 33N, 10%          | 3        | 0,10€ | 0,30€       |
| 16. | Reichelt    | X7R-2,5 22N         | Vielschicht-Keramikkondensator 22N, 10%          | 1        | 0,10€ | 0,10€       |
| 17. | Reichelt    | Z5U-2,5 15N         | Vielschicht-Keramikkondensator 15N, 10%          | 1        | 0,10€ | 0,10€       |
| 18. | Reichelt    | X7R-2,5 10N         | Vielschicht-Keramikkondensator 10N, 10%          | 1        | 0,10€ | 0,10€       |
| 19. | Reichelt    | X7R-2,5 6,8N        | Vielschicht-Keramikkondensator 6,8N, 10%         | 2        | 0,10€ | 0,20€       |
| 20. | Reichelt    | X7R-2,5 4,7N        | Vielschicht-Keramikkondensator 4,7N, 10%         | 1        | 0,10€ | 0,10€       |
| 21. | Reichelt    | X7R-2,5 3,3N        | Vielschicht-Keramikkondensator 3,3N, 10%         | 1        | 0,10€ | 0,10€       |
| 22. | Reichelt    | X7R-2,5 2,2N        | Vielschicht-Keramikkondensator 2,2N, 10%         | 2        | 0,10€ | 0,20€       |

|            |          |               |  |   |       |        |
|------------|----------|---------------|--|---|-------|--------|
| 23.        | Reichelt | X7R-2,5 1,5N  | Vielschicht-Keramikkondensator 1,5N, 10%         | 1 | 0,10€ | 0,10€  |
| 24.        | Reichelt | X7R-2,5 1,0N  | Vielschicht-Keramikkondensator 1,0N, 10%         | 2 | 0,10€ | 0,20€  |
| 25.        | Reichelt | NPO-2,5 470P  | Vielschicht-Keramikkondensator 470P, 5%          | 1 | 0,10€ | 0,10€  |
| 26.        | Reichelt | L-07HCP 470µ  | Stehende-Induktivität, 07HCP, Ferrit, 470µ       | 1 | 0,40€ | 0,40€  |
| 27.        | Reichelt | 09P 1,0M      | Stehende Induktivität, 09P, 1,0mH                | 2 | 0,40€ | 0,80€  |
| 28.        | Reichelt | SMCC 1,5M     | Drosselspule, Festinduktivität, axial, 1,5M      | 1 | 0,25€ | 0,25€  |
| 29.        | Reichelt | 09P 1,5M      | Stehende Induktivität, 09P, 1,5mH                | 1 | 0,40€ | 0,40€  |
| 30.        | Reichelt | 09P 2,2M      | Stehende Induktivität, 09P, 2,2mH                | 1 | 0,40€ | 0,40€  |
| 31.        | Reichelt | SMCC 3,3M     | Drosselspule, Festinduktivität, axial, 3,3M      | 1 | 0,30€ | 0,30€  |
| 32.        | Reichelt | 09P 4,7M      | Stehende Induktivität, 09P, 4,7mH                | 1 | 0,40€ | 0,40€  |
| 33.        | Reichelt | METALL 100K   | Metallschichtwiderstand 100 K-Ohm                | 4 | 0,10€ | 0,40€  |
| 34.        | Reichelt | METALL 39,0K  | Metallschichtwiderstand 39,0 K-Ohm               | 2 | 0,10€ | 0,20€  |
| 35.        | Reichelt | METALL 27,0K  | Metallschichtwiderstand 27,0 K-Ohm               | 1 | 0,10€ | 0,10€  |
| 36.        | Reichelt | METALL 22,0K  | Metallschichtwiderstand 22,0 K-Ohm               | 3 | 0,10€ | 0,30€  |
| 37.        | Reichelt | METALL 12,0K  | Metallschichtwiderstand 12,0 K-Ohm               | 1 | 0,10€ | 0,10€  |
| 38.        | Reichelt | METALL 10,0K  | Metallschichtwiderstand 10,0 K-Ohm               | 5 | 0,10€ | 0,50€  |
| 39.        | Reichelt | METALL 1,00K  | Metallschichtwiderstand 1,00 K-Ohm               | 4 | 0,10€ | 0,40€  |
| 40.        | Reichelt | METALL 330    | Metallschichtwiderstand 330 Ohm                  | 2 | 0,10€ | 0,20€  |
| 41.        | Reichelt | METALL 220    | Metallschichtwiderstand 220 Ohm                  | 1 | 0,10€ | 0,20€  |
| 42.        | Reichelt | METALL 180    | Metallschichtwiderstand 180 Ohm                  | 1 | 0,10€ | 0,20€  |
| 43.        | Reichelt | METALL 75,0   | Metallschichtwiderstand 75,0 Ohm                 | 1 | 0,10€ | 0,10€  |
| 44.        | Reichelt | METALL 47,0   | Metallschichtwiderstand 47,0 Ohm                 | 3 | 0,10€ | 0,30€  |
| 45.        | Reichelt | 76-10 50K     | Cermet-Trimmer, liegend, 10mm, 50 K-Ohm          | 1 | 0,40€ | 0,40€  |
| 46.        | Reichelt | SIL 7-6 1,0K  | Widerstands-Netzwerk, 6Wid./7Pins, 1,0 K-Ohm     | 1 | 0,15€ | 0,15€  |
| 47.        | Reichelt | GS 28P-S      | IC-Sockel, 28-polig, superflach, gedreht, schmal | 1 | 0,50€ | 0,50€  |
| 48.        | Reichelt | TASTER 3301   | Kurzhubtaster 6x6mm, Höhe: 4,3mm, 12V, vertikal  | 1 | 0,30€ | 0,30€  |
| 49.        | Reichelt | MEBP 8-8G     | Modular-Einbaubuchse 8/8, geschirmt              | 1 | 0,60€ | 0,60€  |
| 50.        | Reichelt | FB EPW        | F-Steckverbinder, Buchse, Printmontage, winkel   | 1 | 1,00€ | 1,00€  |
| 51.        | Reichelt | USB BWM       | USB-Einbaubuchse, B-Mini, gew., Printmontage     | 1 | 1,10€ | 1,10€  |
| 52.        | Reichelt | SL 1X36G 2,54 | 36pol. Stiftleiste, gerade, RM 2,54              | 1 | 0,20€ | 0,20€  |
| <b>Sum</b> |          |               |  |   |       | 36,70€ |

#### PCB 14.1b (one channel pre-amplifier for electrical antennas)

| No         | Vendor      | Part No             | Description                                     | Quantity | Price | Total price |
|------------|-------------|---------------------|---|----------|-------|-------------|
| 1.         | Blitzortung | PCB-14.1b           | Amplifier board PCB 14 Version 1b               | 1        | 2,50€ | 2,50€       |
| 2.         | Mouser      | 584-ADA4891-1ARZ-R7 | High Speed Operational Amplifiers CMOS          | 1        | 1,50€ | 1,50€       |
| 3.         | Reichelt    | 1N 4148             | Planar Epitaxial Schaltdiode, DO35, 100V, 0,15A | 2        | 0,05€ | 0,10€       |
| 4.         | Reichelt    | LED 3MM GN          | LED, 3mm, Low Cost, grün                        | 1        | 0,10€ | 0,10€       |
| 5.         | Reichelt    | RAD FC 220/10       | Elko radial, 105°C, low ESR, RM 2,5mm           | 2        | 0,30€ | 0,60€       |
| 6.         | Reichelt    | Z5U-2,5 220N        | Vielschicht-Keramikkondensator 220N, 20%        | 1        | 0,15€ | 0,15€       |
| 7.         | Reichelt    | Z5U-2,5 100N        | Vielschicht-Keramikkondensator 100N, 20%        | 2        | 0,10€ | 0,20€       |
| 8.         | Reichelt    | KERKO 22P           | Keramik-Kondensator 22P                         | 1        | 0,10€ | 0,10€       |
| 9.         | Reichelt    | KERKO 10P           | Keramik-Kondensator 10P                         | 1        | 0,10€ | 0,10€       |
| 10.        | Reichelt    | 09P 4,7M            | Stehende Induktivität, 09P, 4,7mH               | 1        | 0,40€ | 0,40€       |
| 11.        | Reichelt    | METALL 6,80M        | Metallschichtwiderstand 6,80 M-Ohm              | 1        | 0,10€ | 0,10€       |
| 12.        | Reichelt    | METALL 4,70M        | Metallschichtwiderstand 4,70 M-Ohm              | 1        | 0,10€ | 0,10€       |
| 13.        | Reichelt    | METALL 10,0K        | Metallschichtwiderstand 10,0 K-Ohm              | 1        | 0,10€ | 0,10€       |
| 14.        | Reichelt    | METALL 4,70K        | Metallschichtwiderstand 4,70 K-Ohm              | 1        | 0,10€ | 0,10€       |
| 15.        | Reichelt    | METALL 75,0         | Metallschichtwiderstand 75,0 Ohm                | 1        | 0,10€ | 0,10€       |
| 16.        | Reichelt    | AKL 101-02          | Anschlussklemme 2-polig, RM 5,08                | 1        | 0,40€ | 0,40€       |
| 17.        | Reichelt    | FB EPW              | F-Steckverbinder, Buchse, Printmontage, winkel  | 1        | 1,00€ | 1,00€       |
| <b>Sum</b> |             |                     |   |          |       | 7,65€       |

#### Additional Parts

| No | Vendor   | Part No          | Description                           | Quantity | Price | Total price |
|----|----------|------------------|---------------------------------------|----------|-------|-------------|
| 1. | Reichelt | USB PA 230V 5V1A | USB-Netzteil 5V / 1000mA / USB-Buchse | 1        | 5,00€ | 5,00€       |

|    |           |                  |  |   |        |         |
|----|-----------|------------------|--|---|--------|---------|
| 2. | Reichelt  | PATCHKABEL 05 GR | 5m Cat.5-Kabel, grau                           | 2 | 2,50€  | 5,00€   |
| 3. | Reichelt  | AK 673-A         | USB-Kabel 2.0, A-Stecker/Mini-B-USB-5P-St,1,5m | 1 | 1,00€  | 1,00€   |
| 4. | W. Friese | SKS120N          | 12cm ferrite rod antennas                      | 2 | 22,50€ | 45,00€  |
|    |           |                  | <b>Sum</b>                                     |   |        | 56,00€  |
|    |           |                  | <b>Total</b>                                   |   |        | 246,30€ |





