

| Component nummer                        | Waarde        | Omschrijving           | Aantal | Leverancier     | Component code            |
|---|---------------|------------------------|--------|-----------------|---------------------------|
| C9                                      | 1pF           | Keramisch steek 2,54   | 1      | 1,2,3,4         | 1                         |
| C15                                     | 3,9pF         | Keramisch steek 5,08   | 1      | 1,2,3,4         | 3.3                       |
| C8,C12,C13,C20                          | 10pF          | Keramisch steek 2,54   | 4      | 1,2,3,4         | 10                        |
| C2                                      | 18pF          | Keramisch steek 2,54   | 1      | 1,2,3,4         | 18                        |
| C10,C21                                 | 22pF          | Keramisch steek 2,54   | 2      | 1,2,3,4         | 22                        |
| C1,C11,C14,C22,C34,C35,C51,C52          | 47pF          | Keramisch steek 2,54   | 8      | 1,2,3,4         | 47                        |
| C24,C29                                 | 1nF           | Keramisch steek 2,54   | 2      | 1,2,3,4         | 102                       |
| C58,C60                                 | 4,7nF         | Keramisch steek 2,54   | 2      | 1,2,3,4         | 472                       |
| C4,C42                                  | 10nF          | Keramisch steek 2,54   | 2      | 1,2,3,4         | 103                       |
| C3,C5,C6,C39,C47,C48                    |               |                        |        |                 |                           |
| C53,C54,C59                             | 22nF          | Keramisch steek 2,54   | 9      | 1,2,3,4         | 223                       |
| C37                                     | 47nF          | Keramisch steek 2,54   | 1      | 1,2,3,4         | 473                       |
| C16,C17,C18,C19,C23,C25,C27,C28,C30,C32 |               |                        |        |                 |                           |
| C33,C40,C43,C45,C55,C57,C63,C64         | 100nF         | Keramisch steek 2,54   | 18     | 1,2,3,4         | 104                       |
| C26,C38,C41,C56,C62                     | 1µF           | Elko, Rad, 2,54mm      | 5      | 1,2,3,4         |                           |
| C36,C44,C46,C49,C50                     | 10µF          | Elko, Rad, 2,54mm      | 5      | 1,2,3,4         |                           |
| C7,C31                                  | 100µF         | Elko, Rad, 5mm         | 2      | 1,2,3,4         |                           |
| R21                                     | 10Ω           | Metaalfilm 0,25W       | 1      | 1,2,3,4         | bruin-zwart-zwart         |
| R1                                      | 18Ω           | Vermogen R 5W          | 1      | 1,2,3,4         | bruin-grijs-zwart         |
| R4,R12,R13                              | 33Ω           | Metaalfilm 0,25W       | 3      | 1,2,3,4         | oranje-oranje-zwart       |
| R39                                     | 82Ω           | Metaalfilm 0,25W       | 1      | 1,2,3,4         | grijs-rood-zwart          |
| R34                                     | 100Ω          | Metaalfilm 0,25W       | 1      | 1,2,3,4         | bruin-zwart-zwart-zwart   |
| R8                                      | 150Ω          | Metaalfilm 0,25W       | 1      | 1,2,3,4         | bruin-groen-zwart-zwart   |
| R38                                     | 220Ω          | Metaalfilm 0,25W       | 1      | 1,2,3,4         | rood-rood-zwart-zwart     |
| R14,R30                                 | 2,7KΩ         | Metaalfilm 0,25W       | 2      | 1,2,3,4         | rood-violet-zwart-bruin   |
| R9,R28,R29                              | 3,3KΩ         | Metaalfilm 0,25W       | 3      | 1,2,3,4         | oranje-oranje-zwart-bruin |
| R17,R24,R27,R31,R35                     | 4,7KΩ         | Metaalfilm 0,25W       | 5      | 1,2,3,4         | geel-violet-zwart-bruin   |
| R11                                     | 8,2KΩ         | Metaalfilm 0,25W       | 1      | 1,2,3,4         | grijs-rood-zwart-bruin    |
| R,R10,R16,R23,R33,R36,R37               | 10kΩ          | Metaalfilm 0,25W       | 7      | 1,2,3,4         | bruin-zwart-zwart-rood    |
| R18,R25                                 | 18KΩ          | Metaalfilm 0,25W       | 2      | 1,2,3,4         | bruin-rood-zwart-grijs    |
| R2,R3,R6,R7,R19                         | 22KΩ          | Metaalfilm 0,25W       | 5      | 1,2,3,4         | rood-rood-zwart-rood      |
| R5,R32                                  | 27KΩ          | Metaalfilm 0,25W       | 2      | 1,2,3,4         | rood-violet-zwart-rood    |
| R26                                     | 33KΩ          | Metaalfilm 0,25W       | 1      | 1,2,3,4         | oranje-oranje-zwart-rood  |
| R22                                     | 100KΩ         | Metaalfilm 0,25W       | 1      | 1,2,3,4         | bruin-zwart-zwart-oranje  |
| R15                                     | 270KΩ         | Metaalfilm 0,25W       | 1      | 1,2,3,4         | rood-violet-zwart-oranje  |
| R20                                     | 560KΩ         | Metaalfilm 0,25W       | 1      | 1,2,3,4         | groen-blauw-zwart-oranje  |
| F1                                      | 170mA         | Zelfherst. Zekering    | 1      | 1,2,3,4         | R017                      |
| D1                                      | 1A type       | Diode                  | 1      | 1,2,3,4         | 1N4002                    |
| D2                                      | BB833         | Varicap diode          | 1      | 1,4,8           |                           |
| D3                                      | 1N60          | Schottky diode         | 1      | 1,5,5,7         |                           |
| D4                                      | 1N4738A       | Zener diode 8V2 - 1,5W | 1      | 1,2,3,4,8       | Z8.2                      |
| IV1                                     | DIL-28        | IC-voet                | 1      | 1,2,3,4,8       |                           |
| X1                                      | 10.245MHz     | Kristal                | 1      | 1,2,3,8         | 10.245                    |
| X2                                      | 16.000MHz     | Kristal                | 1      | 1,2,3,8         | 16.000                    |
| XF1,XF2                                 | 10F20B        | Kristalfilter          | 2      | 1,6             |                           |
| J1,J2,J3,J5                             | Header 2      | Printsteker 2p 2,54mm  | 4      | 1,2,3           |                           |
| J4                                      | BNC           | BNC Female Chassis     | 1      | 1,2,3,4,5,6,7,8 |                           |
| A1...16                                 | Header 8      | Printsteker 8p 2,54mm  | 2      | 1,2,3           |                           |
| V1...3                                  | Header 3      | Printsteker 3p 2,54mm  | 1      | 1,2,3           |                           |
| B1...5, S1...5                          | Header 5      | Printsteker 5p 2,54mm  | 2      | 1,2,3           |                           |
| ICSP                                    | Header 6      | Printpen 6p, 2,54mm    | 1      | 1,2,3,4,8       |                           |
| L1,L2,L3,L4                             | 5118.30       | Neosid 7.1E spoel      | 4      | 1,6,7           |                           |
| L5,L6,L7                                | 10µH          | Spoel                  | 3      | 1,2,3,4,8       |                           |
| T1                                      | 119FCS16714N  | 10,7MHz filter         | 1      | 1,6,7           | 1139 16714                |
| T2,T3,T4                                | 42IF202       | 455kHz filter          | 3      | 1,6,7           | IF202-H.K.K712            |
| VR1                                     | 10KΩ lin      | Potmeter               | 1      | 1,2,3,4,8       |                           |
| VR2                                     | 10KΩ          | Instelpotmeter 10mm    | 1      | 1,2,3,4,8       |                           |
| Q1,Q2                                   | BF981         | Dual gate Mosfet       | 2      | 1,3,5,7         |                           |
| Q3,Q4                                   | BC54x         | Transistor NPN         | 2      | 1,2,3,4,5,6,7,8 |                           |
| U1                                      | TCA440        | IF amplifier           | 1      | 1,5,7           |                           |
| U2                                      | ADF4110       | PLL Synthesizer        | 1      | 1,4,8           |                           |
| U3                                      | 76620/TBA120S | Demodulator            | 1      | 1,5,7           |                           |
| U4                                      | TDA7052A      | AF amplifier           | 1      | 1,2,3,8         |                           |
| U5                                      | 16F1783       | Microprocessor         | 1      | 1,3,4,8         |                           |
| U6                                      | LP2950        | Lowdrop Regulator 5V   | 1      | 1,2,3,4,8       | 2950C                     |
| U7                                      | HD44780       | LCD display 2x 16      | 1      | 1,2,3,4,8       |                           |
| S5                                      | Rotary enc    | Rotary met druktoets   | 1      | 1,2,3,4,8       |                           |
| Jack 3,5                                | 3,5mm chassis | Geisoleerde GND!       | 1      | 1,2             |                           |
| PCB                                     | Printplaat    | PSD - Roosendaal       | 1      | 1,9             |                           |

| Leveranciers                 |  |
|------------------------------|--|
| 1 = PA1OKZ                   | <a href="http://www.peildoos.nl">www.peildoos.nl</a>                   |
| 2 = Conrad                   | <a href="http://www.conrad.nl">www.conrad.nl</a>                       |
| 3 = Reichelt                 | <a href="http://www.reichelt.nl">www.reichelt.nl</a>                   |
| 4 = RS Components            | <a href="http://nl.rs-online.com">nl.rs-online.com</a>                 |
| 5 = F. Bakelaar              | <a href="http://home.kpn.nl/fbakelaar">home.kpn.nl/fbakelaar</a>       |
| 6 = Eisch-Kafka              | <a href="http://www.eisch-electronic.com">www.eisch-electronic.com</a> |
| 7 = Funk Amateur             | <a href="http://www.funkamateurl.de">www.funkamateurl.de</a>           |
| 8 = Farnell                  | <a href="http://nl.farnell.com">nl.farnell.com</a>                     |
| 9 = Print Service Roosendaal | <a href="http://www.psd.nl">www.psd.nl</a>                             |