

Capacitors / condensatoren:

6 x 100nf Capacitor C1, C2, C6, C7, C8, C26

11 x 1nF Capacitor C3, C9, C21, C24, C35, C40, C41, C42, C43, C44, C45

1 x 100pF Capacitor C4

1 x 10nF Capacitor C10

1 x 10pF Capacitor C11

5 x 68pF Capacitor C14, C22, C28, C30, C31

1 x 15pF Capacitor C16

1 x 22nF Capacitor C17

2 x 30pF Capacitor C27, C29

3 x 100nF Capacitor C34, C37, C39

1 x 22pF Capacitor C46

1 x 33pF Capacitor C47

1 x 470pF Capacitor C48

Elco:

1 x 220uF/16V Polarized Capacitor (Radial) C5

2 x 22uF/16v Polarized Capacitor (Radial) C12, C32

3 x 47uF/16V Polarized Capacitor (Radial) C13, C25, C49

1 x 10uF/16v Polarized Capacitor (Radial) C38

1 x 100uF/16v Polarized Capacitor (Radial) C33

Trimmer capacitor:

1 x 20pF Murata Trimmer Capacitor C23

Zener:

1x 6V2 Zener Diode 0,5w D1

1x 5V1 Zener Diode 0,5w D2

Diode:

1 x LED 3mm green PLL Lock D3

2 x BB809 Varicap D4, D9

2 x BAT21 Schottky Diode D5, D6

2 x BB809 Varicap D7, D8

Coil / spoelen:

2 x VK200 (ferrietkraal) L1, L5

2 x 2,2uH 1/4 Watt L 11, L12

3 x 2.2uH 1/4 Watt L13, L14, L16

1 x 7win om 6mm dia 0.8mm L2

1 x 3win om 4.5mm dia 0.8mm L3

1 x 4win om 5 dia 0.8mm L4

1 x 5win om 5mm dia 0.8mm L6

2 x 4win om 6mm dia 1mm L7, L10

2 x 4win om 6mm dia 1mm L8, L9

1 x 4win om 6,5mm dia 1mm L15

Header single row:

1 x 11-Pin P1 transmitter to display connection

1 x Plug single header pin P2 +12,5V

1 x 14-Pin P2 display board to transmitter board

1 x 16-Pin P3 display board LCD connection

1 x Plug single header pin P4 audio input

1 x 3-Pin PWR use only for external PWR adj.

Transistors / transistoren:

3 x BC547 NPN Q1, Q3, Q5

1 x RD06HVF01 N-Channel JFET Q2

1 x BC327 PNP Q4

1 x BC557 PNP Q6

1 x J310 N-Channel JFET Q7

Resistors / weerstanden:

6 x 10K Resistor R1, R2, R3, R6, R7, R17,

1 x 1k5 Resistor R37

1 x 5K6 Resistor R4

1 x 22 Ohm Resistor R5

1 x 82 Ohm Resistor R8

4 x 22K Resistor R9, R10, R12, R25
4 x 220 Ohm Resistor R11, R13, R23, R24
7 x 100 Ohm Resistor R11, R22, R27, R32, R33, R35, R39
2 x 330 Ohm Resistor R14, R19
2 x 1K Resistor R15, R31
4 x 75 Ohm Resistor R16, R29, R34, R40
1 x 2K2 Resistor R18
1 x 2k7 Resistor R20
1 x 100K Resistor R21
1 x 56 Ohm Resistor R30
1 x 150 Ohm metaalfilm R26

Switch / schakelaar:

2 x small tac switch sw1, sw1_D UP
2 x small tac switch sw2, sw2_D SET
2 x small tac switch sw3, sw3_D DOWN

Trim pot / Potmeter:

1 x 10K Potentiometer (mono) R28 Power adj.(display board)
1 x 10K Instel Potmeter type 3296W POT CONTRAST (display board)
1 x 10K Instel Potmeter type 3296W PWR POWER ADJ (transmitter board)
1 x 10K Instel potmeter type 3296W BIAS adj. 800mA (transmitter board)
1 x 5K Instel Potmeter type 3296W P3 AUDIO DEV. (transmitter board)

IC:

1 x PIC16F628 (programmed) U1

1 x TSA5511 U2

MMIC:

1 x SGA6489Z Monolithic Amplifier +20dB U3

1 x MSA0886 Monolithic Amplifier 33dB U4

Xtal / kristal:

1 x 3.2MHz Crystal Oscillator Y1

Display:

1 x LCD 16X2 blue or green LCD1