

## Component list PS – mtb – V2

### Voor enkele voeding:

<b>D1,3</b>	= 2 x ZD36 (RM 20 – montagehoogte min. 5 à 10mm)
D6	= 1 x ZD27 (RM 11,5)
D8,9	= 2 x 1N4007 (RM 11,5)
D11	= 1 x 1N4001 (RM 11,5)
D12	= 1 x ZD2,7 (RM 11,5)
D2,4,5,7,10,13	= 6 x 1N4448 (RM 11,5)
Br1	= 1 x B80C5000/3300
C2	= 2 x 3,3m 50V (Dia 18mm - RM 7,5)
C3	= 1 x 10 $\mu$ 35V (RM 2,5)
C5	= 2 x 10 $\mu$ 63V (RM 2,5)
C6	= 1 x 1000 $\mu$ 25V (RM 5)
C1	= 1 x 100n 100V (RM 10)
C4,7	= 2 x 100n 63V (RM 2,5)
C8,10	= 2 x 10 $\mu$ 25V (RM 2,5)
C9,11,12	= 3 x 100 $\mu$ 25V (RM 2,5)
<b>Cx</b>	= 1 x 10p (RM 2,5) { optioneel }
<b>Cy</b>	= 1 x 1p (RM 2,5) { optioneel }
R2	= 1 x 220 (RM 12,5)
R6	= 1 x 1M (RM 12,5)
R7	= 1 x 1k5 (RM 12,5)
R10	= 1 x 47k(Ch) (RM 12,5) { of 100k (Joy-it-display) }
<b>R11,Rz</b>	= 2 x 100 (1 x RM 12,5 en 1 x RM 7,5) { Rz optioneel }
R14	= 1 x 47k (RM 12,5)
R15	= 1 x 33k (RM 12,5)
R16	= 1 x 10 (RM 12,5)
R17	= 1 x 680 (RM 12,5)
<b>R20</b>	= 1 x 6k8 (RM 10)
R21	= 1 x 4k7 (RM 12,5)
R23	= 1 x 47 (RM 12,5)
R1,4,5,13,18,19	= 6 x 1k (RM 12,5)
R3,12,22	= 3 x 100k (RM 12,5)
R8,R9	= 2 x 10k (RM 12,5)
<b>Rx</b>	= 1 x 100M (RM 12,5) { optioneel }
Tr1	= 1 x 1k (20-turn) (RM 2,5 in-line)
Tr2	= 1 x 10k (20-turn) (RM 2,5 in-line)

P1,P2	= 2 x 1k (10-turn)
IC1	= 1 x LM350
IC2	= 1 x LM358
IC3	= 1 x 78L12
IC4	= 1 x TL431 CLPR
T3	= 1 x BC550C
T1,T2	= 2 x BC558
<b>Tz</b>	= 1 x BF256B { <b>optioneel</b> }
LED 1	= 1 x 5mm-red
F1	= 1 x 0,5 AT + printholder
Rel1	= 1 x FTR F1CL012R
TR1	= 1 x Block FL 30/12
Koelvin	= 1 x PR 118-94-SE (ALUTRONIC) - 3,2 K/W
Montage-clip	= 1 x MC 726 Montage-Clip = voor bevestiging LM350 tegen koelvin
230V	= 1 x AKL 101-03 <b>printkroonsteen</b> 3p (RM 5,08) middelste leeg
BL-ZW-RD	= 1 x AKL 101-03 <b>printkroonsteen</b> 3p (RM 5,08)
OUT + Rs	= 1 x AKL 101-04 <b>printkroonsteen</b> 4p (RM 5,08)
Pin Header	= 2 x 2p RND 205-00671 (RM 2,5) = aansluiting 12V display en overload-LED
Display	= 1 x TK1382 / ZC15400 (Ch) { of VAM10010 (Joy-it) via Conrad }

**Voor behuizing dubbele voeding:**

Switch	= 1 x on/off (doorverbinding +PS1 met -PS2)
Button	= 4 x draaiknop voor as 6,4mm
Bus 4mm	= 2 x 4mm banaan-chassis, uitvoering poolklem, zwart
Bus 4mm	= 2 x 4mm banaan-chassis, uitvoering poolklem, rood
Case	= Bopla ULTRAMAS UM 52011 L-50 Consolebehuizing 223 x 72 x 199
Case extend	= Bopla AB 02009 Opbouwset 1 paar
Front	= Aluminium front : B215 x H109 x 2(1,5) mm
Back	= Stalen rooster achterkant: B215 x H109 x 1 mm

## **Component list 2 FANS**

D1	= 1 x 1N4148 (RM 7,5)
Br1	= 1 x B700C1000DIP
C1	= 1 x 1000 $\mu$ 25V (Dia 10mm - RM 5)
C2	= 1 x 100n (RM 2,5)
C3	= 1 x 100 $\mu$ 25V (RM 2,5)
C4,6	= 2 x 100p (RM 2,5)
C5,7	= 2 x 1 $\mu$ 25V (RM 2,5)
<b>R1,2,3,4</b>	= 4 x 1k (2 x RM 10 en 2 x <b>RM 2,5</b> )
IC1	= 1 x $\mu$ A7812
IC2,IC3	= 2 x NE555
T1,T2	= 2 x 2N2222
P1,P2	= 2 x 10k trim (20-turn) (RM 2,5 in-line)
TR1	= 1 x GERTH 387.12
F1	= 1 x 0,1 AT + printholder
NTC	= 2 x EPCOS B57045-K103-K
230V	= 1 x AKL 101-03 <b>printkroonsteen</b> 3p, middelste leeg (RM 5,08)
FANS	= 2 x Sunon MF50151VX-1000U-A99 12 V/DC 50 x 50 x 15 mm (Conrad)
Pin Header	= 4 x 2p RND 205-00671 (RM 2,5) = aansluiting FANS en NTC's)