Extern van PCB, onderdelen niet meegeleverd behalve D9

C100 100nF
C103 100nF
BR100
C101 100nF
C102 100nF
T1
transformer 2x12v, 2.5a, 60va
C104 4.7mF
C105 4.7mF
D9 MBR1645
J1 HDR1X3

U1 CNY17-2
Wikkeling
R2 10kΩ
R1 150kΩ
D1 1Z10
Q1 75345P

D2 1N4007
Q2 BDW93C
Q3 BDW93C
R9 0.33Ω
R10 0.33Ω
R3 470Ω
R4 470Ω
R5 4.7kΩ
R6 4.7kΩ
R7 120Ω
R8 120Ω

Apart uitgangsfilter met aansluitbussen
J2 HDR1X2
J5 HDR1X2
C1 150µF
C2 100nF
D3 1N4007
J7
S+
OUT +
OUT 0
S-

D4 1N4148
C3 47pF
X1 LED
R11 120Ω
C4 100pF
U2C LM324
R12 10kΩ
R13 22kΩ
C5 10pF
C6 10pF
RV3 1kΩ Key=A 50 %
R14 47kΩ
R15 1.8kΩ
C7 10µF
RV2 1kΩ Key=A 50 %
VCC 5V

R26 390kΩ
U2B LM324
R28 120Ω
R25 10kΩ
R27 330kΩ
R24 150kΩ
A
X3 LED
Wikkeling

VCC 5V
U2A LM324
VEE -5V

CircuitsOnline
Labvoeding Rev3
Guido en Martijn 2016
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Trafo niet meegeleverd
T2
transformer 2x9v
J3 HDR1X3
BR1
U3 LM7805CT
U4 LM7905CT
C13 1mF
C15 100nF
C14 1mF
C16 100nF
C17 100nF
C18 100nF
C19 10µF
C20 10µF
C21 10µF
X4 LED
R29 120Ω
Q4 BC557B
R30 470Ω
D8 BZV55-B5V6

D5 1N4148
C8 39pF
R17 330kΩ
X2 LED
R16 120Ω
C9 100pF
U2D LM324
D6 1N4148
D7 1N4148
R18 10kΩ
C10 22pF
R19 4.7kΩ
R20 56kΩ
C11 0.22µF
R22 120Ω
S-
R21 10kΩ
RV1 1kΩ Key=A 50 %
R23 120Ω
C12 10µF