

Component list; SLA Accu Deep Discharge Limitation

19.06.2023

PCB59 SLA Accu Deep Discharge Limitation Board

C1	= 10n (Ceramic Cap 2kV R2)
C2	= 10n (Ceramic Cap 2kV R2)
C3	= 10n (Ceramic Cap 2kV R2)
C4	= 0,33 μ (Plastic Cap 50V R2)
C5	= 0,1 μ (Plastic Cap 50V R2)
C6	= 10n (Ceramic Cap 2kV R2)
C7	= 220 μ 25V (Elko Radial R3,5mm)
C8	= 0,1 μ (Ceramic Cap 50V)
C9	= 0,1 μ (Ceramic Cap 50V)
C10	= 0,1 μ (Ceramic Cap 50V)
C11	= 10n (Ceramic Cap 2kV R2)
D1	= MUR1560 (Fast-diodi 600V 15A 60ns TO220 Starelec Oy)
D2	= 1N4148 (Signal Diode R3)
D3	= Jump (Jump R3)
D4	= 1N4148 (Signal Diode R3)
D5	= Jump (Jump R3)
D6	= 1N4004 (Rec Diode R4 1A 400V)
D7	= P6KE15CA (TAZ-diodi 2-suunt 15V 600W Starelec Oy)
D8	= BY500-800 (Rec Diode R6 5A 800V 200nS Starelec Oy) Vaihtoehto suojadiodille D1 MUR1560
K1	= PCB Rele 2-vaihtok 12VDC S13-12V Starelec Oy (Relay 2*Change Contact Coil 12VDC(DPDT))
P1	= 1k (Multi Turn Trimmers, T910W-series Starelec Oy)
P2	= 10k (Multi Turn Trimmers, T910W-series Starelec Oy)
P3	= 2k (Multi Turn Trimmers, T910W-series Starelec Oy)
PCB59	= PCB59 (SLA Accu Deep Discharge Limitation Board OH6LM)
Q3	= 4001BE (Quad 2-inp NOR DIL14)
Q4	= LM336-25 (Voltage Referense 5V)
Q1_1	= LM358 (Dual OpAmp DIL8)
Q2_1	= LM358 (Dual OpAmp DIL8)
R1	= 8k2 (Metal Foil Resistor 1% 0.6W R4)
R2	= 1k5 (Metal Foil Resistor 1% 0.6W R4)
R3	= 2k49 (Metal Foil Resistor 1% 0.6W R4)
R4	= 4k99 (Metal Foil Resistor 1% 0.6W R4)
R5	= 18k (Metal Foil Resistor 1% 0.6W R4)
R6	= 100k (Metal Foil Resistor 1% 0.6W R4)
R7	= 100k (Metal Foil Resistor 1% 0.6W R4)
R8	= 100k (Metal Foil Resistor 1% 0.6W R4)
R9	= 100k (Metal Foil Resistor 1% 0.6W R4)
R10	= 22k (Metal Foil Resistor 1% 0.6W R4)
R11	= 22k (Metal Foil Resistor 1% 0.6W R4)
R12	= 47k (Metal Foil Resistor 1% 0.6W R4)
R13	= 2k7 (Metal Foil Resistor 1% 0.6W R4)
R14	= 1k8 (Metal Foil Resistor 1% 0.6W R4)
R15	= 1k8 (Metal Foil Resistor 1% 0.6W R4)

R16 = 22k (Metal Foil Resistor 1% 0.6W R4)
R17 = 47k (Metal Foil Resistor 1% 0.6W R4)
R18 = 47k (Metal Foil Resistor 1% 0.6W R4)
R19 = 47k (Metal Foil Resistor 1% 0.6W R4)
R20 = 47k (Metal Foil Resistor 1% 0.6W R4)

T1 = BC547B (NPN Transistori)
T2 = BC547B (NPN Transistori)
T3 = BC547B (NPN Transistori)
T4 = BC547B (NPN Transistori)
T5 = BC547B (NPN Transistori)

TP1 = Testisilmukka (THK-Pu (Starelec Oy))
TP2 = Testisilmukka (THK-Va (Starelec Oy))
TP3 = Testisilmukka (THK-Va (Starelec Oy))
TP4 = Testisilmukka (THK-Va (Starelec Oy))
TP5 = Testisilmukka (THK-Pu (Starelec Oy))
TP6 = Testisilmukka (THK-Pu (Starelec Oy))
TP7 = Testisilmukka (THK-Va (Starelec Oy))
TP8 = Testisilmukka (THK-Mu (Starelec Oy))

VR1 = 78L08 (Fixed Pos Voltage Regulator TO-92)

Q1S DIL4 holkkikanta (1808 Starelec Oy) Kannan käyttö, oman harkinnan mukaan.
Q2S DIL4 holkkikanta (1808 Starelec Oy) Kannan käyttö, oman harkinnan mukaan.
Q3S DIL14 holkkikanta (1814 Starelec Oy) Kannan käyttö, oman harkinnan mukaan.
K1S DIL16 holkkikanta "modattu" (1816 Starelec Oy) Kannan käyttö, suosittelen.

X1 = PCB Row Connector 2-pole R5,08 (2 pcs 35ast R5,08 (S-MSM 2 35 Partco Oy))
X2 = Spike bar 4-pole connector R2,54 (PR-40P Piikkirima suora 1*40 Starelec Oy)
X3 = PCB Row Connector 2-pole R5,08 (1 pcs 35ast R5,08 (S-MSM 2 35 Partco Oy))
X4 = Spike bar 6-pole connector R2,54 (PR-40P Piikkirima suora 1*40 Starelec Oy)
X2 = 1pcs Harwin 4-pole crimp Cell (X2) or Eq (Spake bar 4-pole Female connector Partco Oy)
X4 = 1pcs Harwin 6-pole crimp Cell (X4) or Eq (Spake bar 6-pole Female connector Partco Oy)

SLA Accu Deep Discharge Limitation Enclosure and Interface Components (Outside PCB)

1pcs Enlosure (G368 Gainta or Eq Starelec Oy)
4pcs Kumitassu 11*5mm (SJ5003-HA Starelec Oy)
1pcs Led 5mm Pu Low Current (5MMC-PU Starelec Oy)
1pcs Led 5mm Ke Low Current (5MMC-KE Starelec Oy)
1pcs Led 5mm Vi Low Current (5MMC-VI Starelec Oy)
3pcs Led pidin 5mm (LED 5 RENGAS MS or Eq Partco Oy)
1pcs Naparuuvi 4mm (XE2:Pu) (552-PU or Eq Starelec Oy)
1pcs Naparuuvi 4mm (XE2:Mu) (552-MU or Eq Starelec Oy)
1pcs Moninapa runkoliitin 2-nap uros (XE1) (505-020 Starelec Oy)
1pcs Vipukytkin 1 x ON-(ON) palautuva (APR-5632A or Eq Starelec Oy)
1psc Sulakepesä panelias. 5*20mm (F1) (HTC-35 or Eq Starelec Oy)
1pcs Saliputkisulake 5*20mm nopea F3.15A
4pcs Koneruuvi kuusiokanta M3*6mm (HEX3-6 Starelec Oy)

Asennustarvikkeet; kytkentäjohdot 0.22mm², 0.5mm², kutistesukka 2,4mm, pääteholkit 0,5-1.0mm²

SLA Accu Deep Discharge Limitation Connector Cable

2pcs Lattaliitin 4,8*0,8mm naaras punainen 0,5-1,5mm² (A-1504FL Starelec Oy)
2pcs Haarukkaliitin 5mm punainen 0,5-1,5mm² (A-1553G Starelec Oy)
1m Kytkenäjohto 1mm² Pu (AJ1.0-PU Starelec Oy)
1m Kytkenäjohto 1mm² Mu (AJ1.0-MU Starelec Oy)

1pcs Moninapaliitin 2-nap naaras kaapeliin (500-020 Starelec Oy)
1m Kytkenäjohto 1mm² Pu (AJ1.0-PU Starelec Oy)
1m Kytkenäjohto 1mm² Mu (AJ1.0-MU Starelec Oy)

Asennustarvikkeet; kutistesukka d 2,4mm, 6,4mm

Yllä kuvattu liitänkäapeli vakio toteutus kun akussa on 4,8*0,8mm lattaliittimet... lähtökaapeli on kuorman (rigin) päässä avoin ts ei mitään liittimiä.