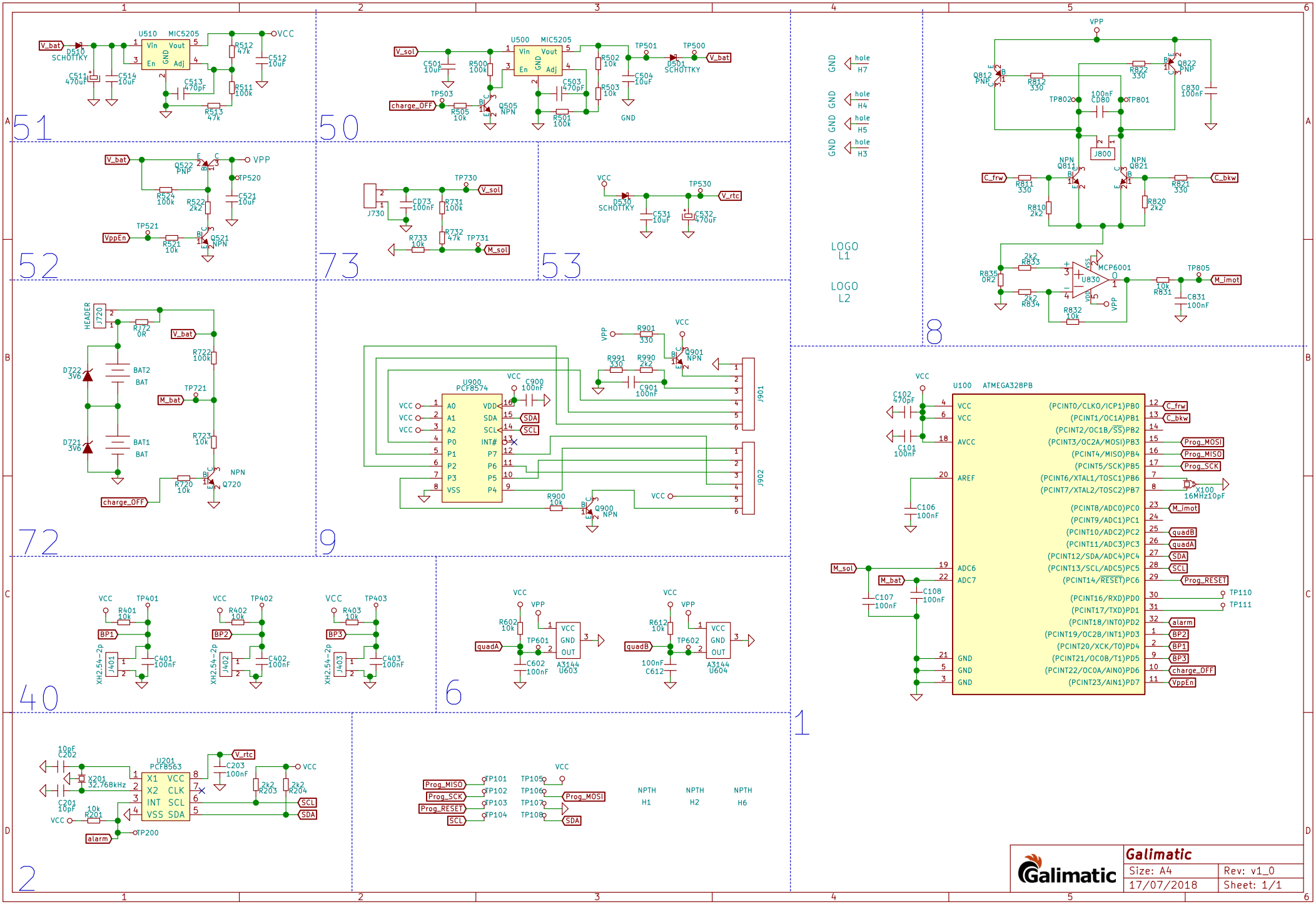
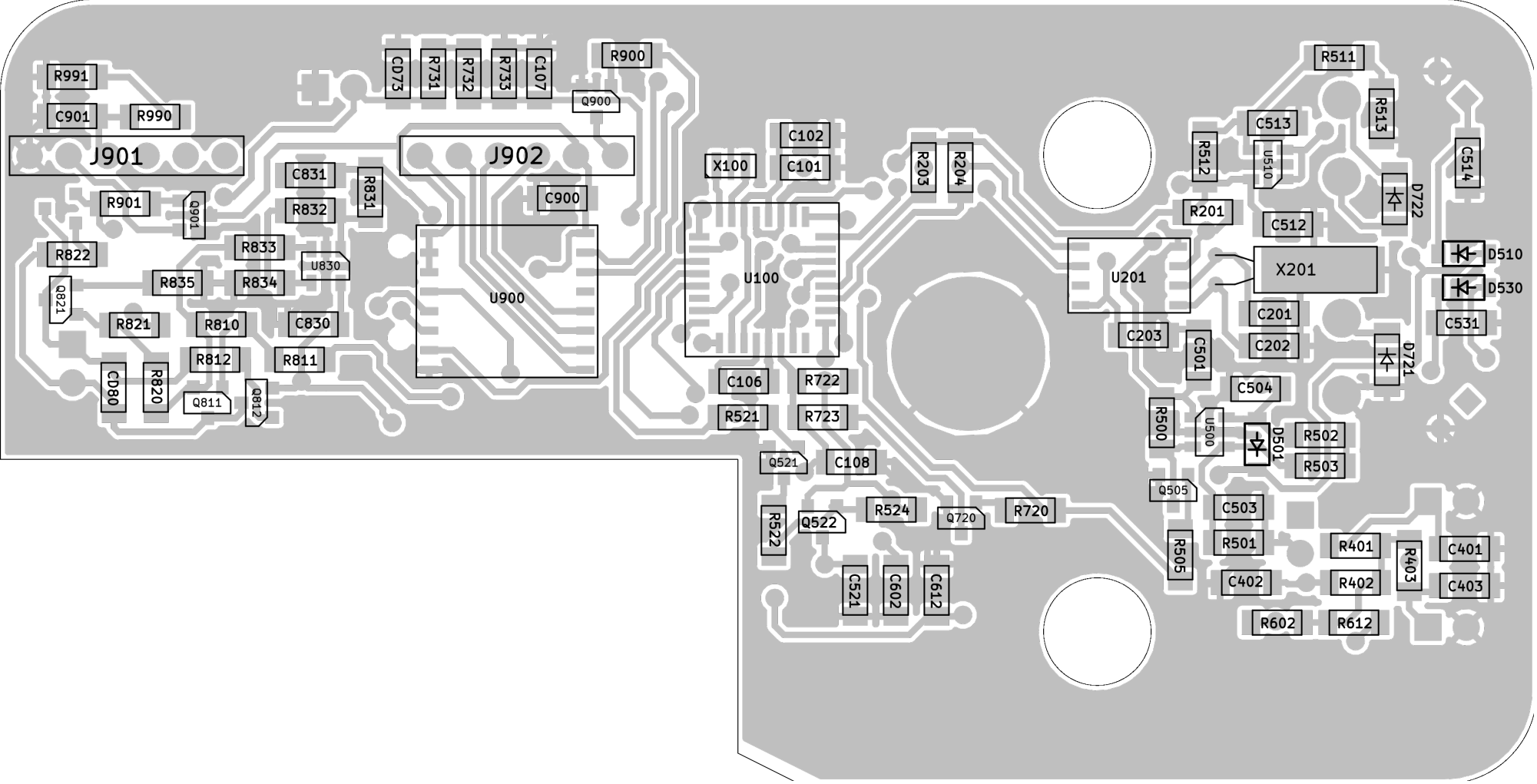

51
U510 MIC5205
V_bat
D510 SCHOTTKY
C511 470uF
C514 10uF
C513 470pF
R512 47k
R511 100k
R513 47k
C512 10uF
VCC
50
U500 MIC5205
V_sol
C501 10uF
R500 100k
charge_OFF
TP503
R505 10k
Q505 NPN
C503 470pF
R501 100k
R502 10k
R503 10k
C504 10uF
TP501
TP500
D501 SCHOTTKY
V_bat
GND
GND
hole H7
hole H4
hole H5
hole H3
LOGO L1
LOGO L2
8
VPP
Q812 PNP
R812 330
R822 330
Q822 PNP
C830 100nF
TP802
100nF CD80
TP801
J800
NPN Q811
NPN Q821
C_frw
R811 330
R821 330
C_bkw
R810 2k2
R820 2k2
R835 0R2
2k2 R833
2k2 R834
U830 MCP6001
R832 10k
10k R831
C831 100nF
TP805
M_Imot
52
V_bat
Q522 PNP
R524 100k
R522 2k2
C521 10uF
VPP
TP520
TP521
VppEn
R521 10k
Q521 NPN
73
J730
TP730
V_sol
CD73 100nF
R731 100k
R732 47k
R733 10k
TP731
M_sol
53
VCC
D530 SCHOTTKY
C531 10uF
C532 470uF
TP530
V_rtc
72
HEADER
J720
R772 0R
V_bat
R722 100k
D722 3V6
BAT2 BAT
TP721
M_bat
D721 3V6
BAT1 BAT
R723 10k
R720 10k
NPN Q720
charge_OFF
9
U900 PCF8574
VCC
C900 100nF
A0 A1 A2 P0 P1 P2 P3 VSS
VDD SDA SCL INT# P7 P6 P5 P4
SDA
SCL
R901 330
Q901 NPN
R991 330
R990 2k2
C901 100nF
J901
J902
R900 10k
Q900 NPN
40
VCC
TP401
R401 10k
BP1
J401 XH2.54-2p
C401 100nF
TP402
R402 10k
BP2
J402 XH2.54-2p
C402 100nF
TP403
R403 10k
BP3
J403 XH2.54-2p
C403 100nF
6
VCC
VPP
R602 10k
quadA
TP601
C602 100nF
A3144 U603
R612 10k
quadB
TP602
100nF C612
A3144 U604
1
U100 ATMEGA328PB
C102 470pF
C101 100nF
C106 100nF
C107 100nF
C108 100nF
M_sol
M_bat
VCC VCC AVCC AREF ADC6 ADC7 GND GND GND
(PCINT0/CLKO/ICP1)PB0
(PCINT1/OC1A)PB1
(PCINT2/OC1B/SS)PB2
(PCINT3/OC2A/MOSI)PB3
(PCINT4/MISO)PB4
(PCINT5/SCK)PB5
(PCINT6/XTAL1/TOSC1)PB6
(PCINT7/XTAL2/TOSC2)PB7
(PCINT8/ADC0)PC0
(PCINT9/ADC1)PC1
(PCINT10/ADC2)PC2
(PCINT11/ADC3)PC3
(PCINT12/SDA/ADC4)PC4
(PCINT13/SCL/ADC5)PC5
(PCINT14/RESET)PC6
(PCINT16/RXD)PD0
(PCINT17/TXD)PD1
(PCINT18/INT0)PD2
(PCINT19/OC2B/INT1)PD3
(PCINT20/XCK/T0)PD4
(PCINT21/OC0B/T1)PD5
(PCINT22/OC0A/AIN0)PD6
(PCINT23/AIN1)PD7
C_frw
C_bkw
Prog_MOSI
Prog_MISO
Prog_SCK
X100 16MHz10pF
M_Imot
quadB
quadA
SDA
SCL
Prog_RESET
TP110
TP111
alarm
BP2
BP1
BP3
charge_OFF
VppEn
2
10pF C202
X201 32.768kHz
C201 10pF
10k R201
U201 PCF8563
X1 VCC
X2 CLK
INT SCL
VSS SDA
C203 100nF
V_rtc
2k2 R203
2k2 R204
SCL
SDA
alarm
TP200
Prog_MISO
Prog_SCK
Prog_RESET
SCL
TP101
TP102
TP103
TP104
TP105
TP106
TP107
TP108
Prog_MOSI
SDA
NPTH H1
NPTH H2
NPTH H6
Galimatic
Size: A4
17/07/2018
Rev: v1_0
Sheet: 1/1


R991
C901
R990
J901
CD73
R731
R732
R733
C107
R900
Q900
J902
C831
R831
R832
C900
R901
Q901
R822
R833
U830
R835
R834
Q821
R821
R810
C830
R812
R811
CD80
R820
Q811
Q812
U900
C102
C101
X100
U100
C106
R722
R521
R723
Q521
C108
R522
Q522
R524
Q720
R720
C521
C602
C612
R203
R204
R511
R513
C513
R512
U510
C514
D722
R201
C512
U201
X201
D510
D530
C201
C531
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U500
D501
R502
R503
Q505
C503
R501
R505
C402
R401
R402
R403
C401
C403
R602
R612