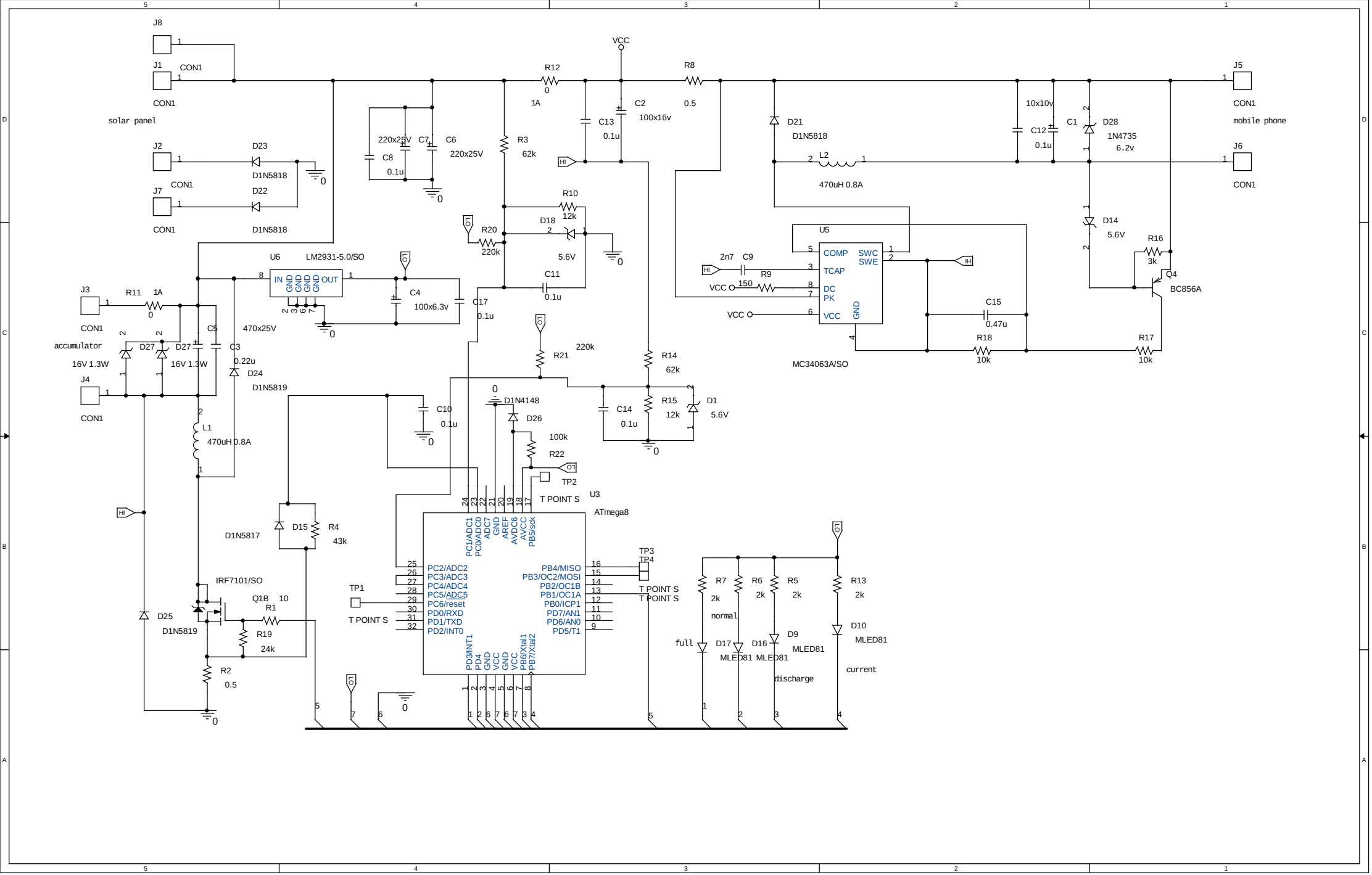
J8
J1
CON1
solar panel
J2
D23
D1N5818
J7
D22
D1N5818
VCC
R12
0
1A
R8
0.5
C2
100x16v
C13
0.1u
220x25V
C7
C6
220x25V
C8
0.1u
R3
62k
R10
12k
D18
5.6V
R20
220k
C11
0.1u
U6
LM2931-5.0/SO
IN
GND
OUT
C4
100x6.3v
C17
0.1u
J3
R11
1A
accumulator
16V 1.3W
D27
C5
470x25V
C3
0.22u
D24
D1N5819
J4
L1
470uH 0.8A
R21
220k
R14
62k
C10
0.1u
D1N4148
D26
C14
0.1u
R15
12k
D1
5.6V
100k
R22
TP2
T POINT S
U3
ATmega8
PC1/ADC1
PC0/ADC0
ADC7
GND
AREF
AVDC6
AVCC
PB5/sck
PC2/ADC2
PC3/ADC3
PC4/ADC4
PC5/ADC5
PC6/reset
PD0/RXD
PD1/TXD
PD2/INT0
PB4/MISO
PB3/OC2/MOSI
PB2/OC1B
PB1/OC1A
PB0/ICP1
PD7/AN1
PD6/AN0
PD5/T1
PD3/INT1
PD4
GND
VCC
GND
VCC
PB6/Xtal1
PB7/Xtal2
TP1
TP3
TP4
D15
R4
43k
D1N5817
IRF7101/SO
Q1B
R1
10
D25
D1N5819
R19
24k
R2
0.5
R7
2k
R6
2k
R5
2k
R13
2k
normal
full
D17
MLED81
D16
MLED81
D9
MLED81
D10
MLED81
discharge
current
D21
D1N5818
L2
470uH 0.8A
10x10v
C12
0.1u
C1
D28
1N4735
6.2v
D14
5.6V
R16
3k
Q4
BC856A
J5
CON1
mobile phone
J6
CON1
U5
COMP
TCAP
DC
PK
VCC
SWC
SWE
GND
2n7
C9
R9
150
C15
0.47u
R18
10k
R17
10k
MC34063A/SO