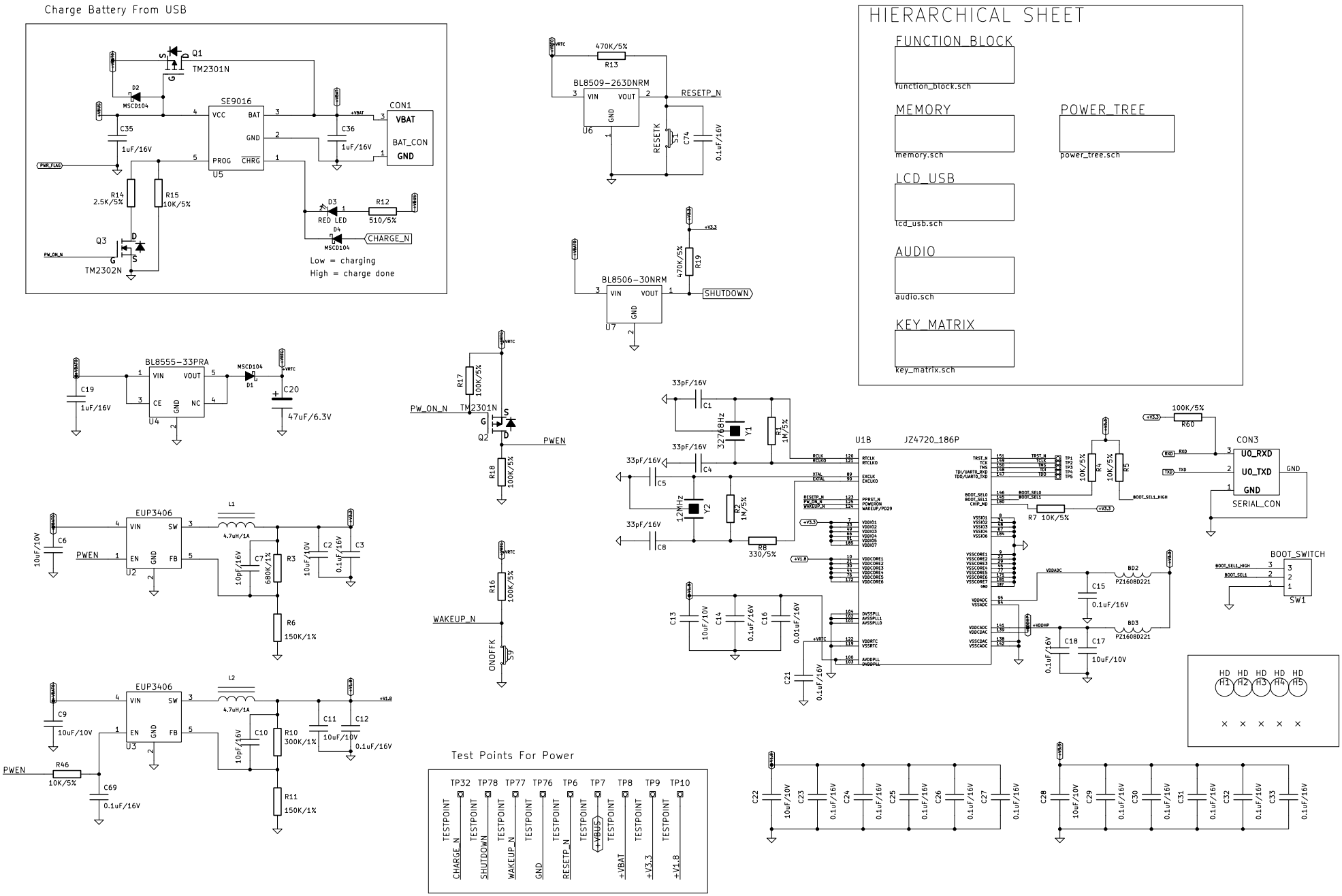
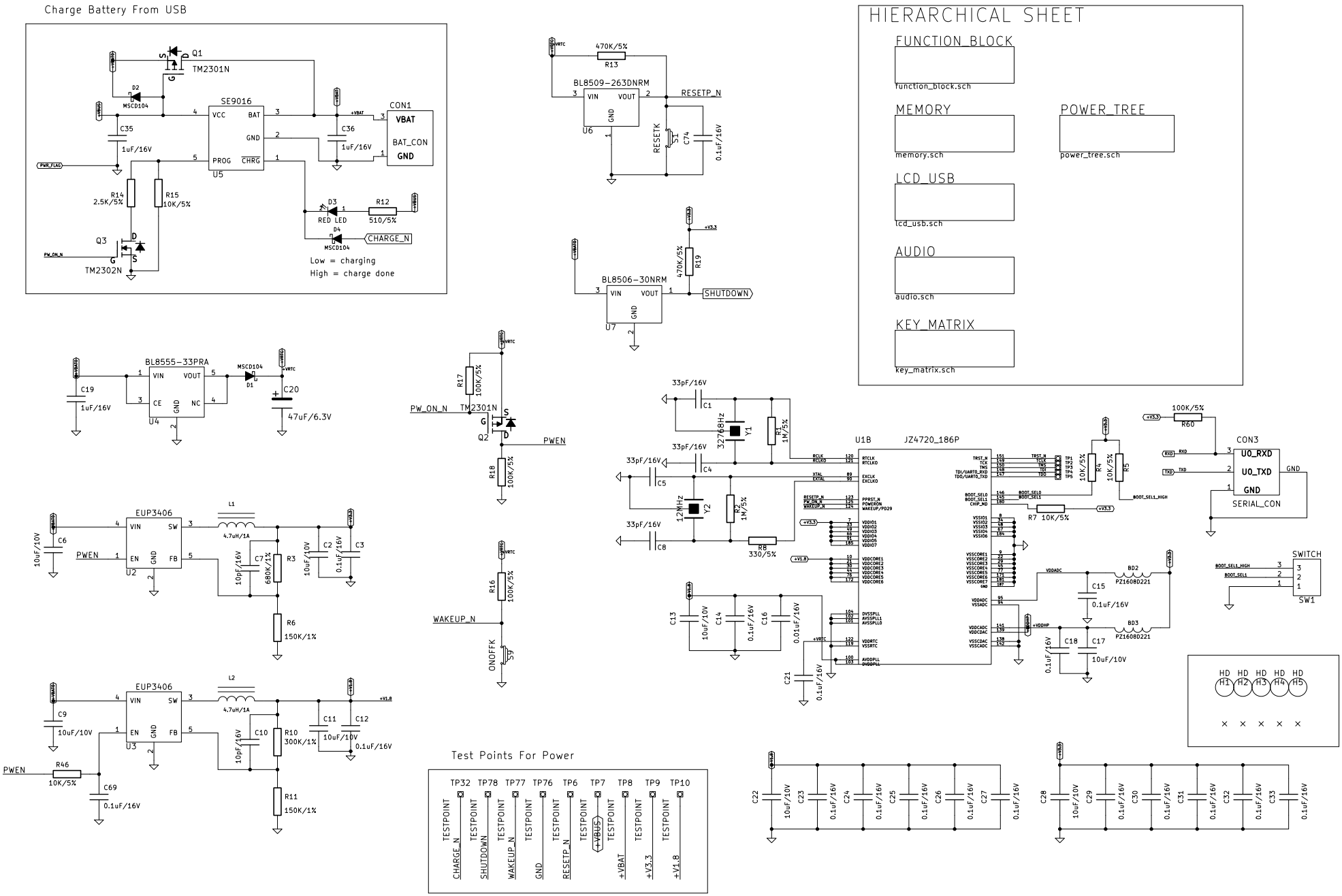

Charge Battery From USB
Q1
TM2301N
D2
MSCD104
SE9016
VCC
BAT
GND
PROG
CHRG
U5
C35
1uF/16V
C36
1uF/16V
CON1
VBAT
BAT_CON
GND
PWR_FLAG
R14
2.5K/5%
R15
10K/5%
D3
RED LED
R12
510/5%
D4
MSCD104
CHARGE_N
Q3
TM2302N
PW_ON_N
Low = charging
High = charge done
470K/5%
R13
BL8509-263DNRM
VIN
VOUT
GND
U6
RESETP_N
RESETK
S1
C74
0.1uF/16V
470K/5%
R19
BL8506-30NRM
U7
SHUTDOWN
HIERARCHICAL SHEET
FUNCTION_BLOCK
function_block.sch
MEMORY
memory.sch
POWER_TREE
power_tree.sch
LCD_USB
lcd_usb.sch
AUDIO
audio.sch
KEY_MATRIX
key_matrix.sch
BL8555-33PRA
CE
NC
U4
C19
1uF/16V
MSCD104
D1
C20
47uF/6.3V
R17
100K/5%
PW_ON_N
TM2301N
Q2
PWEN
R18
100K/5%
R16
100K/5%
WAKEUP_N
ONOFFK
S9
EUP3406
U2
C6
10uF/10V
PWEN
L1
4.7uH/1A
C7
680K/1%
R3
10uF/10V
C2
0.1uF/16V
C3
R6
150K/1%
EUP3406
U3
C9
10uF/10V
L2
4.7uH/1A
C10
10pF/16V
R10
300K/1%
C11
10uF/10V
C12
0.1uF/16V
R46
10K/5%
C69
0.1uF/16V
R11
150K/1%
33pF/16V
C1
32768Hz
Y1
R1
1M/5%
C4
C5
12MHz
Y2
R2
1M/5%
C8
R8
330/5%
U1B
JZ4720_186P
C13
10uF/10V
C14
0.1uF/16V
C16
0.01uF/16V
C21
0.1uF/16V
R4
10K/5%
R5
10K/5%
R7 10K/5%
BOOT_SEL_HIGH
100K/5%
R60
CON3
U0_RXD
U0_TXD
GND
SERIAL_CON
BOOT_SWITCH
SW1
BD2
PZ1608D221
C15
0.1uF/16V
BD3
PZ1608D221
C18
0.1uF/16V
C17
10uF/10V
HD H1
HD H2
HD H3
HD H4
HD H5
Test Points For Power
TP32 TP78 TP77 TP76 TP6 TP7 TP8 TP9 TP10
TESTPOINT
CHARGE_N
SHUTDOWN
WAKEUP_N
GND
RESETP_N
+VBUS
+VBAT
+V3.3
+V1.8
C22 10uF/10V
C23 0.1uF/16V
C24 0.1uF/16V
C25 0.1uF/16V
C26 0.1uF/16V
C27 0.1uF/16V
C28 10uF/10V
C29 0.1uF/16V
C30 0.1uF/16V
C31 0.1uF/16V
C32 0.1uF/16V
C33 0.1uF/16V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BL8555-33PRA
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NC
U4
C19
1uF/16V
C20
47uF/6.3V
R17
100K/5%
TM2301N
Q2
PWEN
R18
100K/5%
EUP3406
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EN
FB
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4.7uH/1A
C6
10uF/10V
C7
10pF/16V
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ONOFFK
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U3
L2
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C9
10uF/10V
C10
10pF/16V
R10
300K/1%
C11
10uF/10V
C12
0.1uF/16V
R46
10K/5%
C69
0.1uF/16V
R11
150K/1%
33pF/16V
C1
32768Hz
Y1
R1
1M/5%
C4
C5
12MHz
Y2
R2
1M/5%
C8
R8
330/5%
U1B
JZ4720_186P
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10uF/10V
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U0_TXD
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0.1uF/16V
C25
0.1uF/16V
C26
0.1uF/16V
C27
0.1uF/16V
C28
10uF/10V
C29
0.1uF/16V
C30
0.1uF/16V
C31
0.1uF/16V
C32
0.1uF/16V
C33
0.1uF/16V