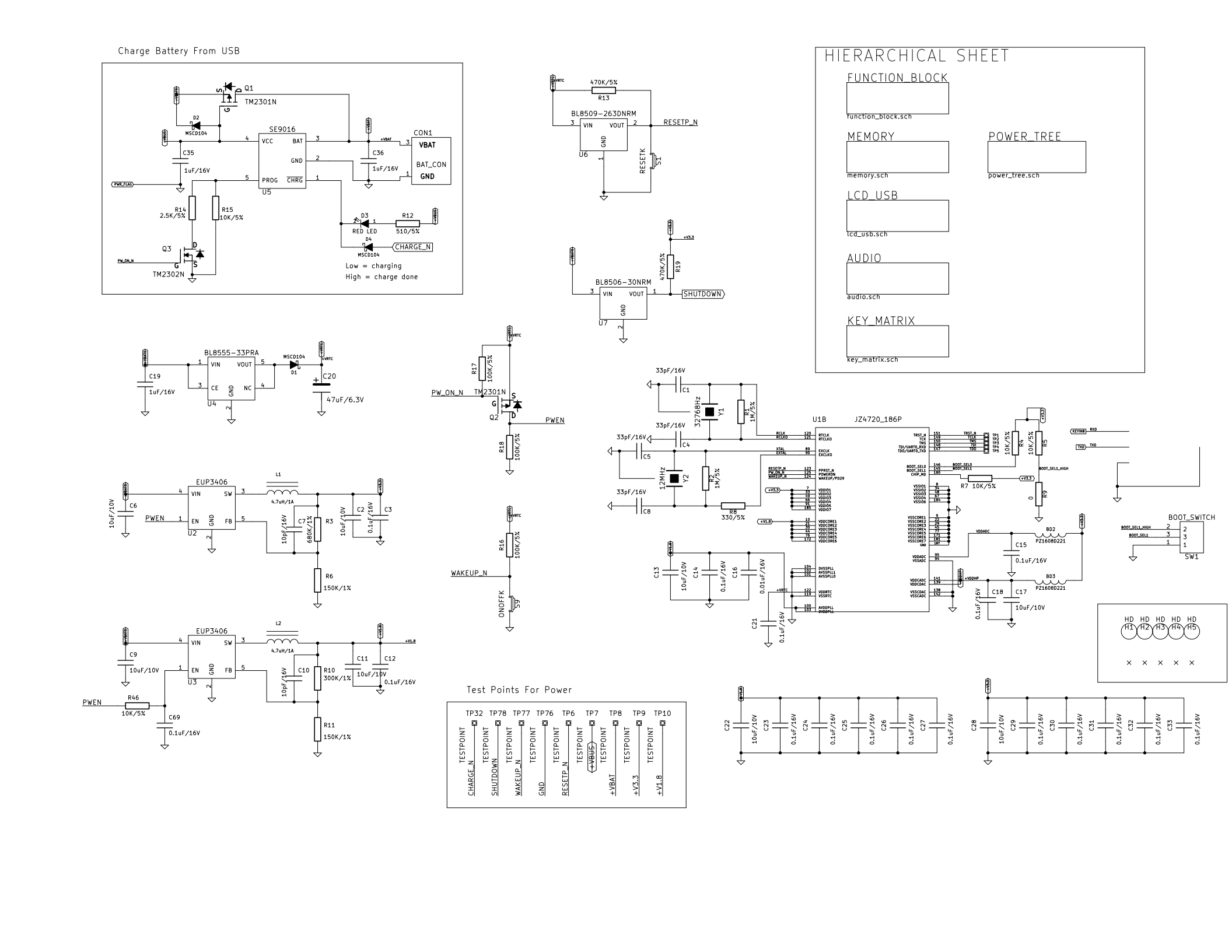
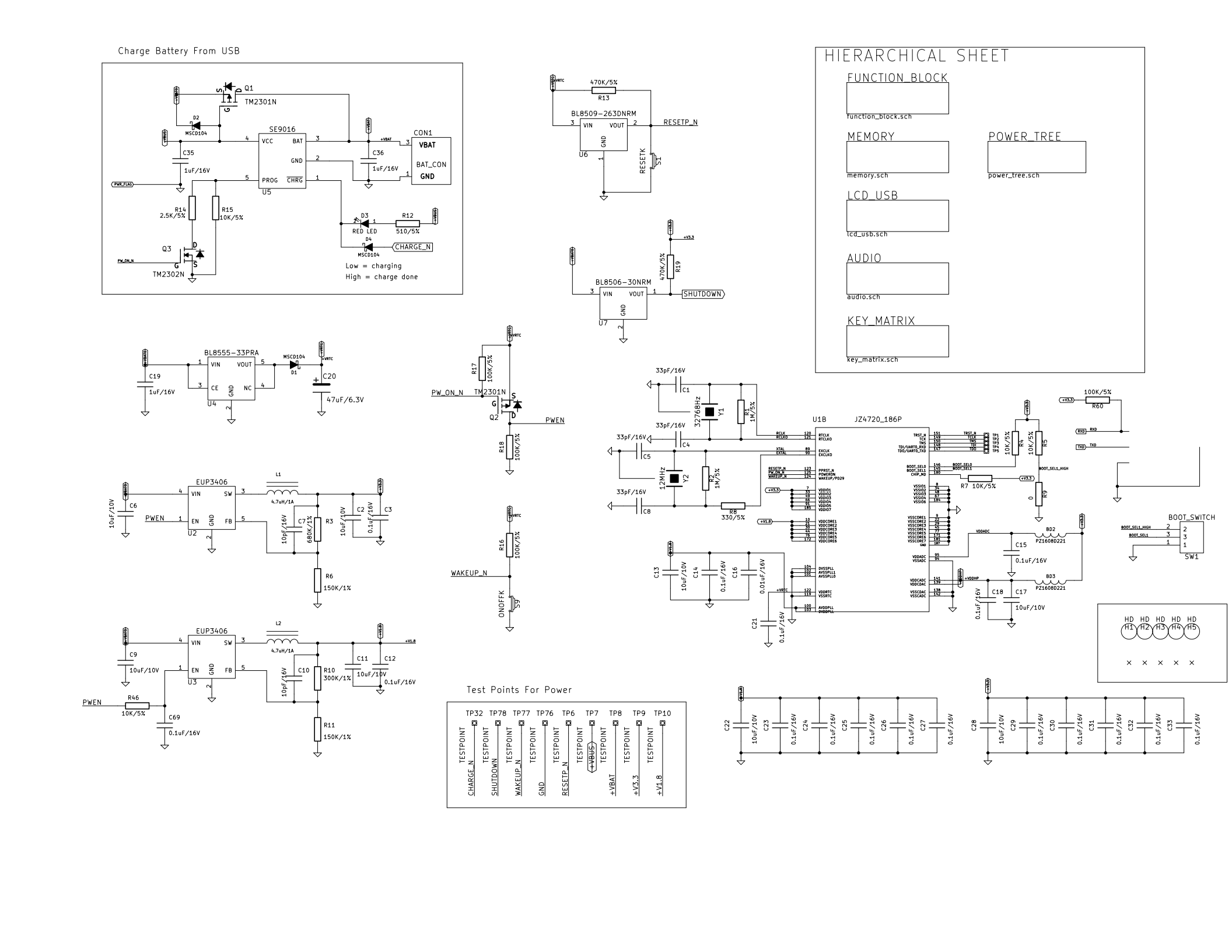

Charge Battery From USB
Q1
TM2301N
D2
MSCD104
SE9016
VCC
BAT
GND
PROG
CHRG
U5
CON1
VBAT
BAT_CON
GND
C35
1uF/16V
C36
1uF/16V
R14
2.5K/5%
R15
10K/5%
D3
RED LED
R12
510/5%
D4
MSCD104
CHARGE_N
Q3
TM2302N
PW_ON_N
PWR_FLAG
Low = charging
High = charge done
BL8509-263DNRM
U6
470K/5%
R13
RESETP_N
RESETK
S1
BL8506-30NRM
U7
470K/5%
R19
SHUTDOWN
BL8555-33PRA
U4
C19
1uF/16V
C20
47uF/6.3V
MSCD104
D1
R17
100K/5%
PW_ON_N
TM2301N
Q2
PWEN
R18
100K/5%
EUP3406
U2
C6
10uF/10V
PWEN
L1
4.7uH/1A
C7
10pF/16V
R3
680K/1%
C2
10uF/10V
C3
0.1uF/16V
R6
150K/1%
R16
100K/5%
WAKEUP_N
ONOFFK
S9
EUP3406
U3
C9
10uF/10V
L2
4.7uH/1A
C10
10pF/16V
R10
300K/1%
C11
10uF/10V
C12
0.1uF/16V
R11
150K/1%
PWEN
R46
10K/5%
C69
0.1uF/16V
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
U1B
JZ4720_186P
33pF/16V
C1
32768Hz
Y1
R1
1M/5%
C4
C5
12MHz
Y2
R2
1M/5%
R8
330/5%
C8
C13
10uF/10V
C14
0.1uF/16V
C16
0.01uF/16V
C21
0.1uF/16V
R4
10K/5%
R5
10K/5%
R7 10K/5%
R9
BOOT_SELO
BOOT_SEL1
BOOT_SEL1_HIGH
BD2
PZ1608D221
BD3
PZ1608D221
C15
0.1uF/16V
C18
0.1uF/16V
C17
10uF/10V
BOOT_SWITCH
SW1
KEYINB
RXD
TXD
HD H1
HD H2
HD H3
HD H4
HD H5
Test Points For Power
TP32 TESTPOINT CHARGE_N
TP78 TESTPOINT SHUTDOWN
TP77 TESTPOINT WAKEUP_N
TP76 TESTPOINT GND
TP6 TESTPOINT RESETP_N
TP7 TESTPOINT +VBUS
TP8 TESTPOINT +VBAT
TP9 TESTPOINT +V3.3
TP10 TESTPOINT +V1.8
C22
C23
C24
C25
C26
C27
C28
C29
C30
C31
C32
C33
0.1uF/16V
10uF/10V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SHUTDOWN
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C20
47uF/6.3V
U4
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Q2
R17
100K/5%
R18
100K/5%
PWEN
WAKEUP_N
R16
100K/5%
ONOFFK
S9
EUP3406
U2
C6
10uF/10V
L1
4.7uH/1A
C7
10pF/16V
R3
680K/1%
C2
10uF/10V
C3
0.1uF/16V
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
R11
150K/1%
R46
10K/5%
C69
0.1uF/16V
U1B
JZ4720_186P
32768Hz
Y1
12MHz
Y2
C1
C4
C5
C8
R1
1M/5%
R2
1M/5%
R8
330/5%
C13
C14
C16
C21
C15
C17
C18
BD2
PZ1608D221
BD3
PZ1608D221
R60
100K/5%
R4
10K/5%
R5
10K/5%
R7
10K/5%
R9
BOOT_SWITCH
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HD H1
HD H2
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TESTPOINT
C22
C23
C24
C25
C26
C27
C28
C29
C30
C31
C32
C33
10uF/10V
0.1uF/16V