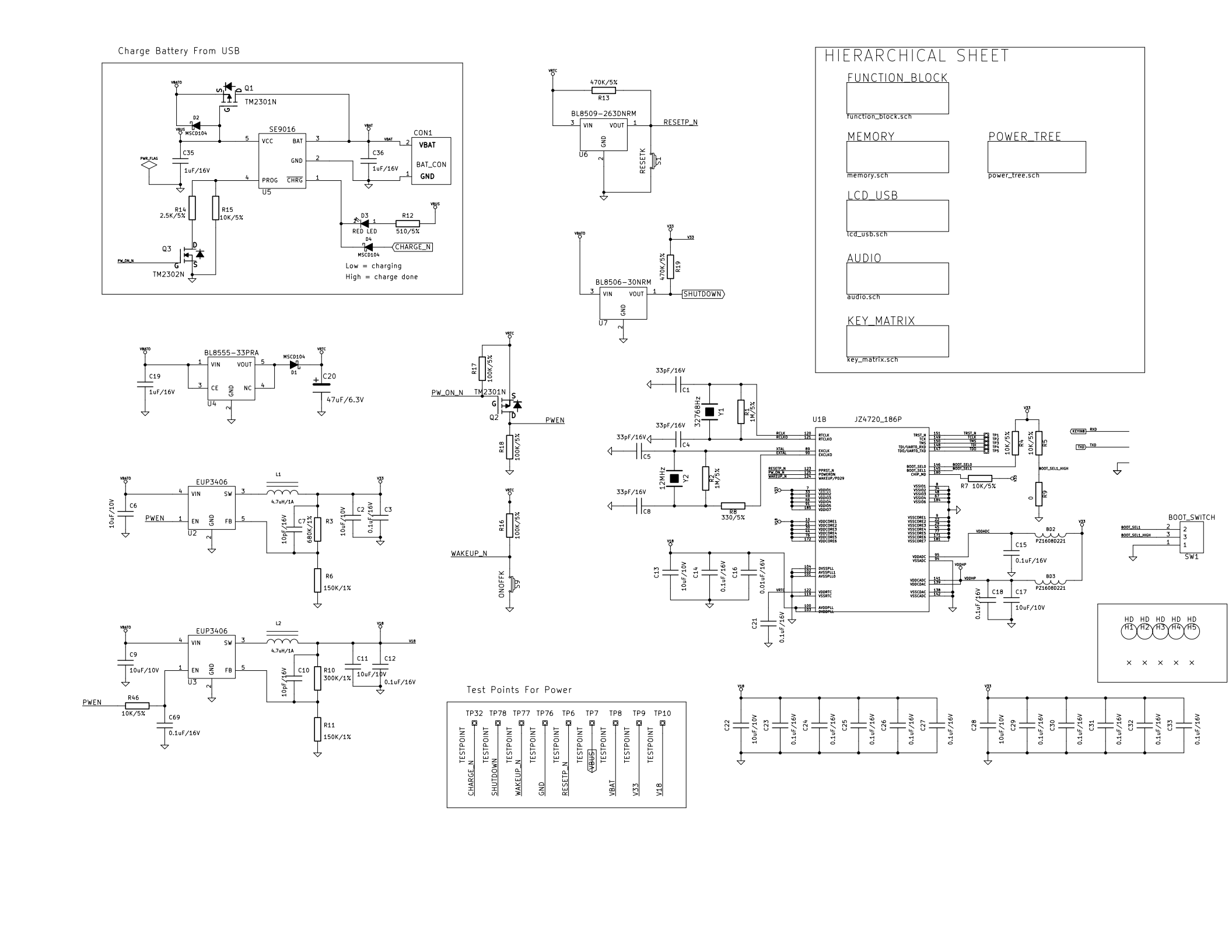
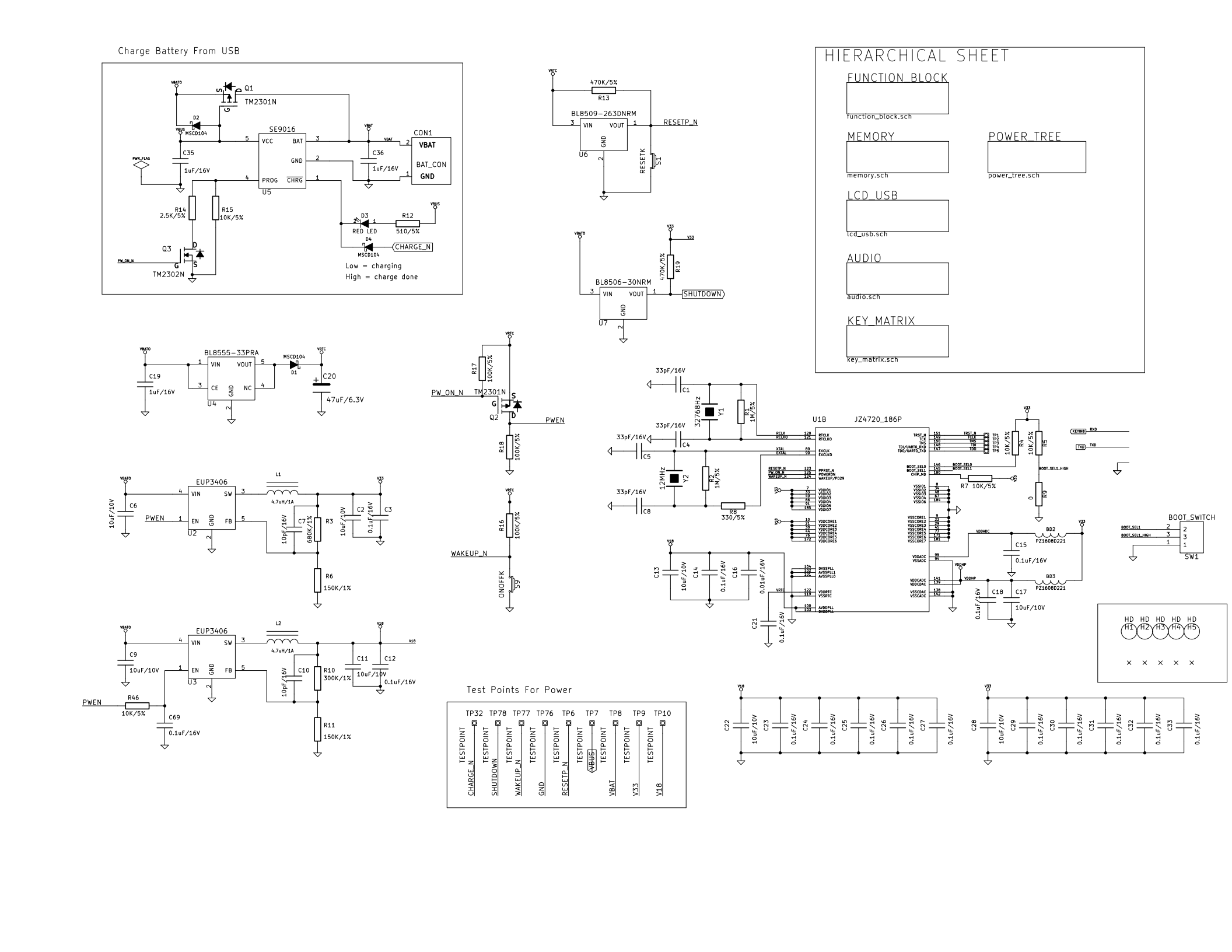

Charge Battery From USB
Q1
TM2301N
D2
MSCD104
SE9016
VCC
BAT
GND
PROG
CHRG
U5
CON1
VBAT
BAT_CON
GND
C35
1uF/16V
C36
1uF/16V
PWR_FLAG
R14
2.5K/5%
R15
10K/5%
Q3
TM2302N
PW_ON_N
D3
RED LED
R12
510/5%
D4
MSCD104
CHARGE_N
Low = charging
High = charge done
R13
470K/5%
BL8509-263DNRM
VIN
VOUT
GND
U6
RESETP_N
RESETK
S1
R19
470K/5%
BL8506-30NRM
U7
SHUTDOWN
BL8555-33PRA
U4
C19
1uF/16V
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
L1
4.7uH/1A
C6
10uF/10V
C7
10pF/16V
R3
680K/1%
C2
10uF/10V
C3
0.1uF/16V
R6
150K/1%
EUP3406
U3
L2
4.7uH/1A
C9
10uF/10V
C10
10pF/16V
R10
300K/1%
C11
10uF/10V
C12
0.1uF/16V
R11
150K/1%
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
C1
33pF/16V
Y1
32768Hz
R1
1M/5%
C4
33pF/16V
C5
33pF/16V
Y2
12MHz
R2
1M/5%
C8
33pF/16V
R8
330/5%
R4
10K/5%
R5
10K/5%
R7
10K/5%
R9
0
BOOT_SEL1_HIGH
KEYIN0
RXD
TXD
BOOT_SWITCH
SW1
BD2
PZ1608D221
BD3
PZ1608D221
C15
0.1uF/16V
C17
10uF/10V
C18
0.1uF/16V
C13
10uF/10V
C14
0.1uF/16V
C16
0.01uF/16V
C21
0.1uF/16V
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 V33
TP10 TESTPOINT V18
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


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%
Q3
TM2302N
PW_ON_N
D3
RED LED
R12
510/5%
D4
MSCD104
CHARGE_N
Low = charging
High = charge done
R13
470K/5%
BL8509-263DNRM
VIN
VOUT
GND
U6
RESETP_N
RESETK
S1
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
BL8506-30NRM
U7
R19
470K/5%
SHUTDOWN
BL8555-33PRA
U4
C19
1uF/16V
C20
47uF/6.3V
MSCD104
D1
R17
100K/5%
TM2301N
Q2
PWEN
R18
100K/5%
R16
100K/5%
WAKEUP_N
ONOFFK
S9
EUP3406
U2
L1
4.7uH/1A
C6
10uF/10V
C7
10pF/16V
R3
680K/1%
C2
10uF/10V
C3
0.1uF/16V
R6
150K/1%
EUP3406
U3
L2
4.7uH/1A
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%
U1B
JZ4720_186P
32768Hz
Y1
12MHz
Y2
C1
C4
C5
C8
R1
1M/5%
R2
1M/5%
R8
330/5%
R4
10K/5%
R5
10K/5%
R7 10K/5%
R9
0
BOOT_SEL1_HIGH
KEYINB
RXD
TXD
BOOT_SWITCH
SW1
C13
C14
C16
C21
C15
0.1uF/16V
C17
10uF/10V
C18
BD2
PZ1608D221
BD3
PZ1608D221
HD H1
HD H2
HD H3
HD H4
HD H5
Test Points For Power
TP32 CHARGE_N
TP78 SHUTDOWN
TP77 WAKEUP_N
TP76 GND
TP6 RESETP_N
TP7 VBUS
TP8 VBAT
TP9 V33
TP10 V18
TESTPOINT
C22
C23
C24
C25
C26
C27
C28
C29
C30
C31
C32
C33