SET BLOCK DIAGRAM

L Tweeter — 4ohm ADP:20W BAT:10W
L Woofer
R Tweeter — 4ohm ADP:20W BAT:10W
R Woofer

Class D AMP TPA3116 — AMP_SDZ
Class D AMP TPA3116 — AMP_SDZ
Amplifier Voltage

Amplifier Voltage 19V/9V~11.5V
Amplifier power path on/off
Switch MP14893 or equivalent
Boost_Control
+5V_EN
Boost SY7901 FDMC0310AS
Boost_EN
Adaptor power 19V
Amplifier power 19V

L Channel Woofer
R Channel Woofer
L Channel Tweeter
R Channel Tweeter

DAC PCM5121
VCC3.3V
I2S
BT I2C

TP2412 (multiple)
LOGIC IC Silego SLG4V41533VR
3.3V_ON
VCC3.3V

AKM DSP AK7755
VCC3.3V
12.288MHz
XTI/XTO
Power_On_Off
Power_Off_Ready

Hum noise reduction TP2412
AVCC3.3V
L/R Audio
Signal detect (1KHz; >4mV)
3.5mm Jack Detect
L/R Audio

CSR BTModule CSR8675+LNA with 32M SPI flash); Class 1
NTC 2 / SMBus
DC DET
VCC3.3V
BT I2S Audio
BT Audio Mono
BT I2C
AMP_SDZ_INT

Bluetooth RF
MIC AUDIO IN
SW Upgrade (Service)
Power On/Off
Vol+ Vol- Play/Pause; Bluetooth, Connect
Keys

IO Expand AW9523B
BT I2C
VCC3.3V
AVCC2_EN
Boost_EN
Stato 1
L_LIM_1
AMP_SDZ
CHARGE CE

Battery indicator x1 Red; x5 White
Power Led x2 White
Bluetooth Led x2 Blue
JBL Connect x2 White

IO Expand AW9523B
BT I2C
VCC3.3V
INT
STAT1 /DS1
CHG_STAT1

SK34A x2
SK34A

7.4V/5200mAH; 4-cell;2600maH;CR18650 with fuel gauge
BT I2C

Switch MMBT4435
BATDRV

Switch AO3400 On/Off 2
Switch AO3400 On/Off 1
BQ24617
BATDRV
CHG_STAT1
PG1
ISet 1
CHARGE CE

19V/3A; 57W
2A/1A
DC DET
DC DET

LDO (Standby) TLV70433 (24V;150mA)
3.3V_ON

DC to DC SY8263 (30V/3A)
+5V_EN
5V

DC to DC SY8201 (27V;1A)
VCC3.3V
EN

TPS2546
ILIM_HI
STATUS1
2.1A(off)/0.5A(on)
5V
L_LIM_1

19v/7.1V~8.4V