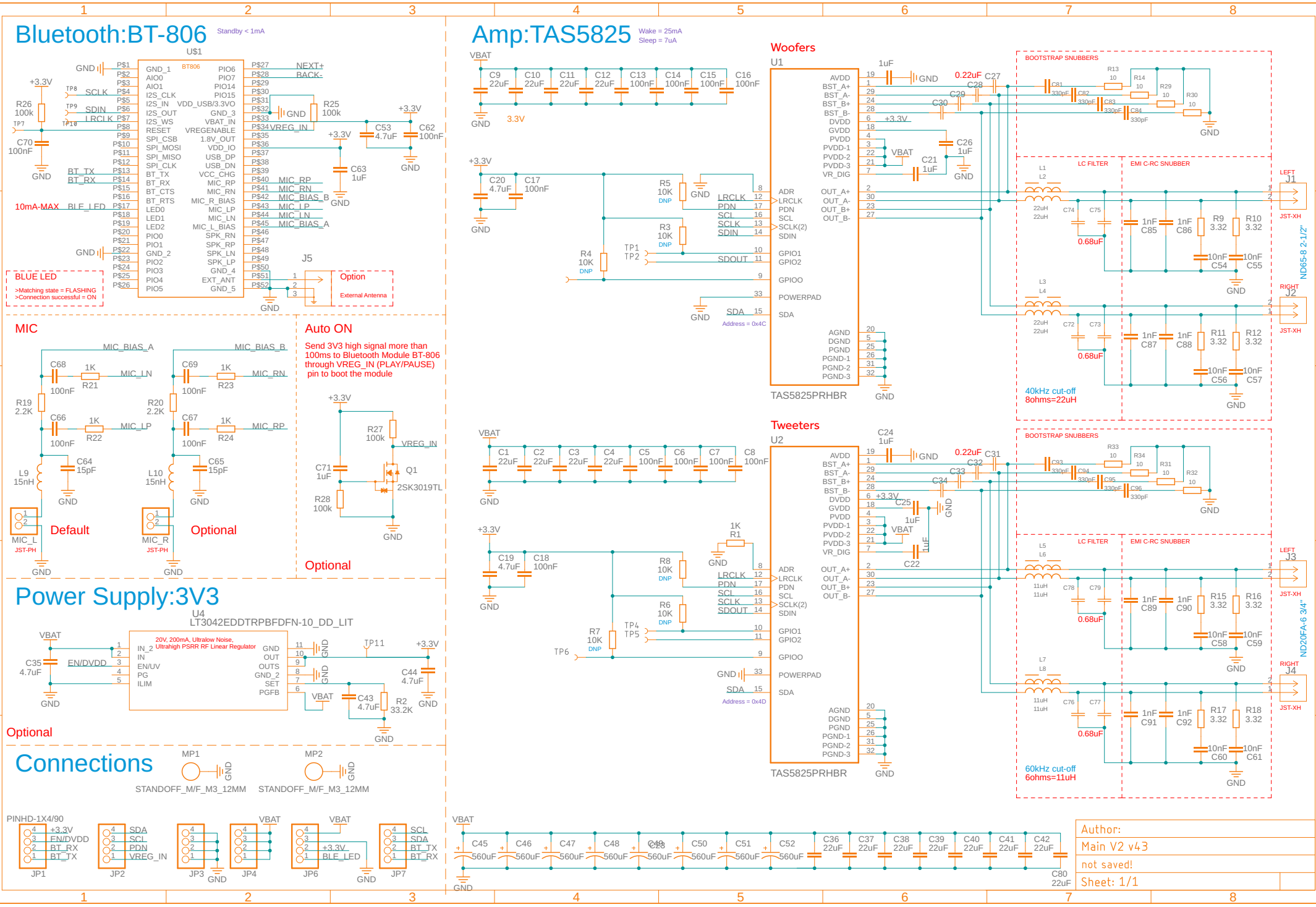
Bluetooth:BT-806
Standby < 1mA
U$1
BT806
GND_1
AIO0
AIO1
I2S_CLK
I2S_IN
I2S_OUT
I2S_WS
RESET
SPI_CSB
SPI_MOSI
SPI_MISO
SPI_CLK
BT_TX
BT_RX
BT_CTS
BT_RTS
LED0
LED1
LED2
PIO0
PIO1
GND_2
PIO2
PIO3
PIO4
PIO5
PIO6
PIO7
PIO14
PIO15
VDD_USB/3.3VO
GND_3
VBAT_IN
VREGENABLE
1.8V_OUT
VDD_IO
USB_DP
USB_DN
VCC_CHG
MIC_RP
MIC_RN
MIC_R_BIAS
MIC_LP
MIC_LN
MIC_L_BIAS
SPK_RN
SPK_RP
SPK_LN
SPK_LP
GND_4
EXT_ANT
GND_5
NEXT+
BACK-
MIC_BIAS_B
MIC_BIAS_A
SCLK
SDIN
LRCLK
BT_TX
BT_RX
10mA-MAX
BLE_LED
BLUE LED
>Matching state = FLASHING
>Connection successful = ON
J5
Option
External Antenna
MIC
Auto ON
Send 3V3 high signal more than 100ms to Bluetooth Module BT-806 through VREG_IN (PLAY/PAUSE) pin to boot the module
Default
Optional
MIC_L
MIC_R
JST-PH
Q1
2SK3019TL
Power Supply:3V3
U4
LT3042EDDTRPBFDFN-10_DD_LIT
20V, 200mA, Ultralow Noise, Ultrahigh PSRR RF Linear Regulator
EN/DVDD
Optional
Connections
MP1
MP2
STANDOFF_M/F_M3_12MM
PINHD-1X4/90
JP1
JP2
JP3
JP4
JP6
JP7
Amp:TAS5825
Wake = 25mA
Sleep = 7uA
Woofers
U1
Tweeters
U2
TAS5825PRHBR
Address = 0x4C
Address = 0x4D
BOOTSTRAP SNUBBERS
LC FILTER
EMI C-RC SNUBBER
40kHz cut-off
8ohms=22uH
60kHz cut-off
6ohms=11uH
LEFT
RIGHT
J1
J2
J3
J4
JST-XH
ND65-8 2-1/2"
ND20FA-6 3/4"
Author:
Main V2 v43
not saved!
Sheet: 1/1