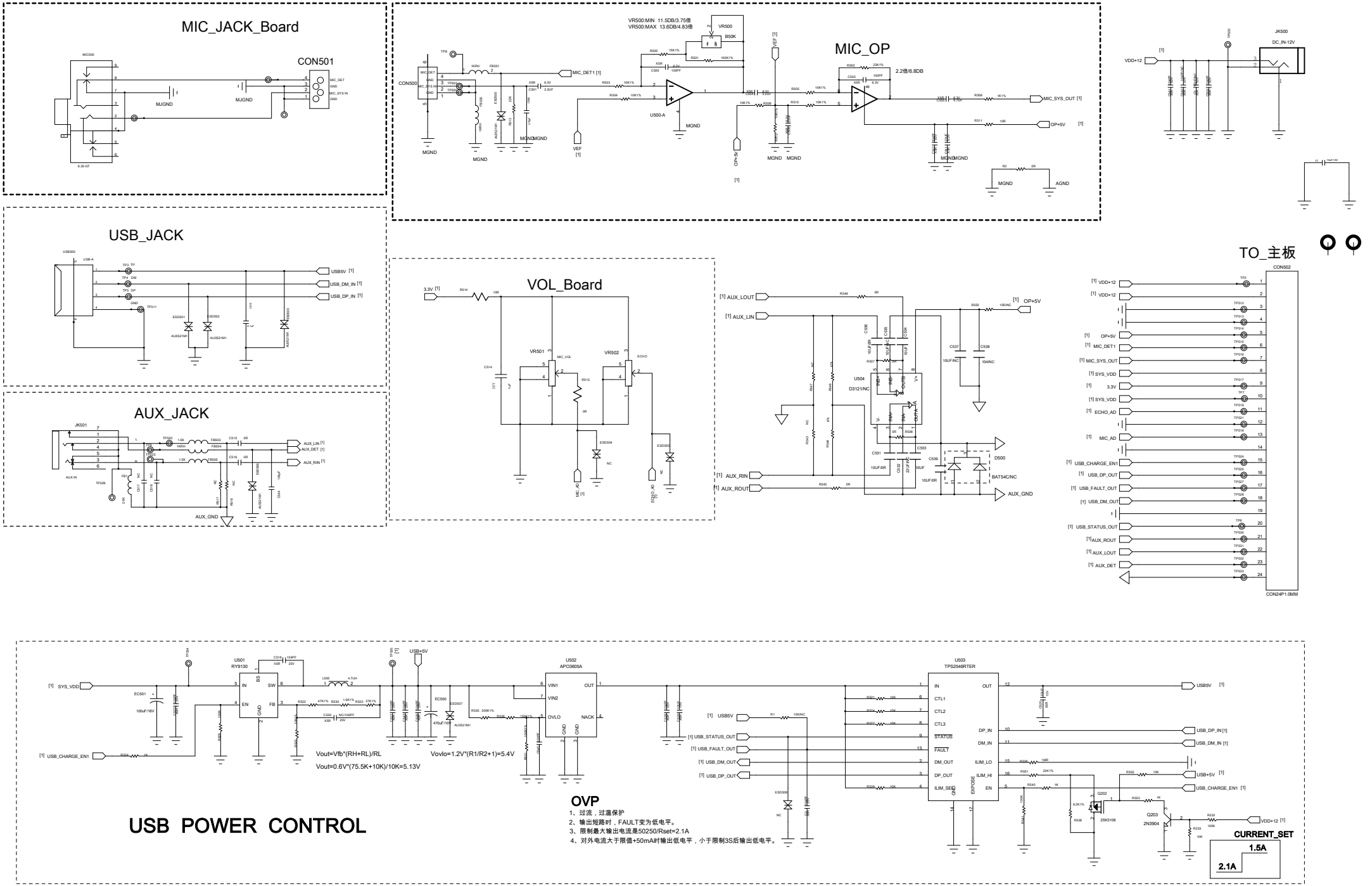
MIC_JACK_Board
CON501
MIC_DET
GND
MIC_SYS IN
GND
MGND
MIC_OP
VR500:MIN 11.5DB/3.75倍
VR500:MAX 13.6DB/4.83倍
VR500
B50K
CON500
MIC_DET1 [1]
U500-A
2.2倍/6.8DB
MIC_SYS_OUT [1]
OP+5V [1]
VEF [1]
OP-5V [1]
AGND
JK500
DC_IN-12V
VDD+12 [1]
TO_主板
CON502
CON24P1.0MM
USB_JACK
USB500
USB-A
USB5V [1]
USB_DM_IN [1]
USB_DP_IN [1]
VOL_Board
3.3V [1]
VR501
VR502
MIC_VOL
ECHO
MIC_AD [1]
ECHO_AD [1]
AUX_LOUT [1]
AUX_LIN [1]
AUX_RIN [1]
AUX_ROUT [1]
U504
D3121/NC
D500
BAT54C/NC
AUX_GND
AUX_JACK
JK501
AUX_LIN [1]
AUX_DET [1]
AUX_RIN [1]
AUX_GND
VDD+12 [1]
OP+5V [1]
MIC_DET1 [1]
MIC_SYS_OUT [1]
SYS_VDD [1]
3.3V [1]
SYS_VDD [1]
ECHO_AD [1]
MIC_AD [1]
USB_CHARGE_EN1 [1]
USB_DP_IN [1]
USB_DM_IN [1]
USB_FAULT_OUT [1]
USB_STATUS_OUT [1]
AUX_ROUT [1]
AUX_LOUT [1]
AUX_DET [1]
SYS_VDD [1]
U501
RY9130
U502
APO3605A
U503
TPS2546RTER
USB+5V
USB5V [1]
USB_DP_IN [1]
USB_DM_IN [1]
USB+5V [1]
USB_CHARGE_EN1 [1]
VDD+12 [1]
USB_CHARGE_EN1 [1]
USB5V [1]
USB_STATUS_OUT [1]
USB_FAULT_OUT [1]
USB_DM_OUT [1]
USB_DP_OUT [1]
Vout=Vfb*(RH+RL)/RL
Vout=0.6V*(75.5K+10K)/10K=5.13V
Vovlo=1.2V*(R1/R2+1)=5.4V
USB POWER CONTROL
OVP
1、过流，过温保护
2、输出短路时，FAULT变为低电平。
3、限制最大输出电流是50250/Rset=2.1A
4、对外电流大于限值+50mA时输出低电平，小于限制3S后输出低电平。
CURRENT_SET
1.5A
2.1A
YTREK ELECTRONICS LTD
DWG.: Liu
CHK.: CHK
APP.: APP
Title: BT Speaker
Model No.: VX944
Drawing No.: MIC/USB/AUX_JACK_KEY
Rev: 1.
Sheet 1 of 1
Size A2
ENG-015-A