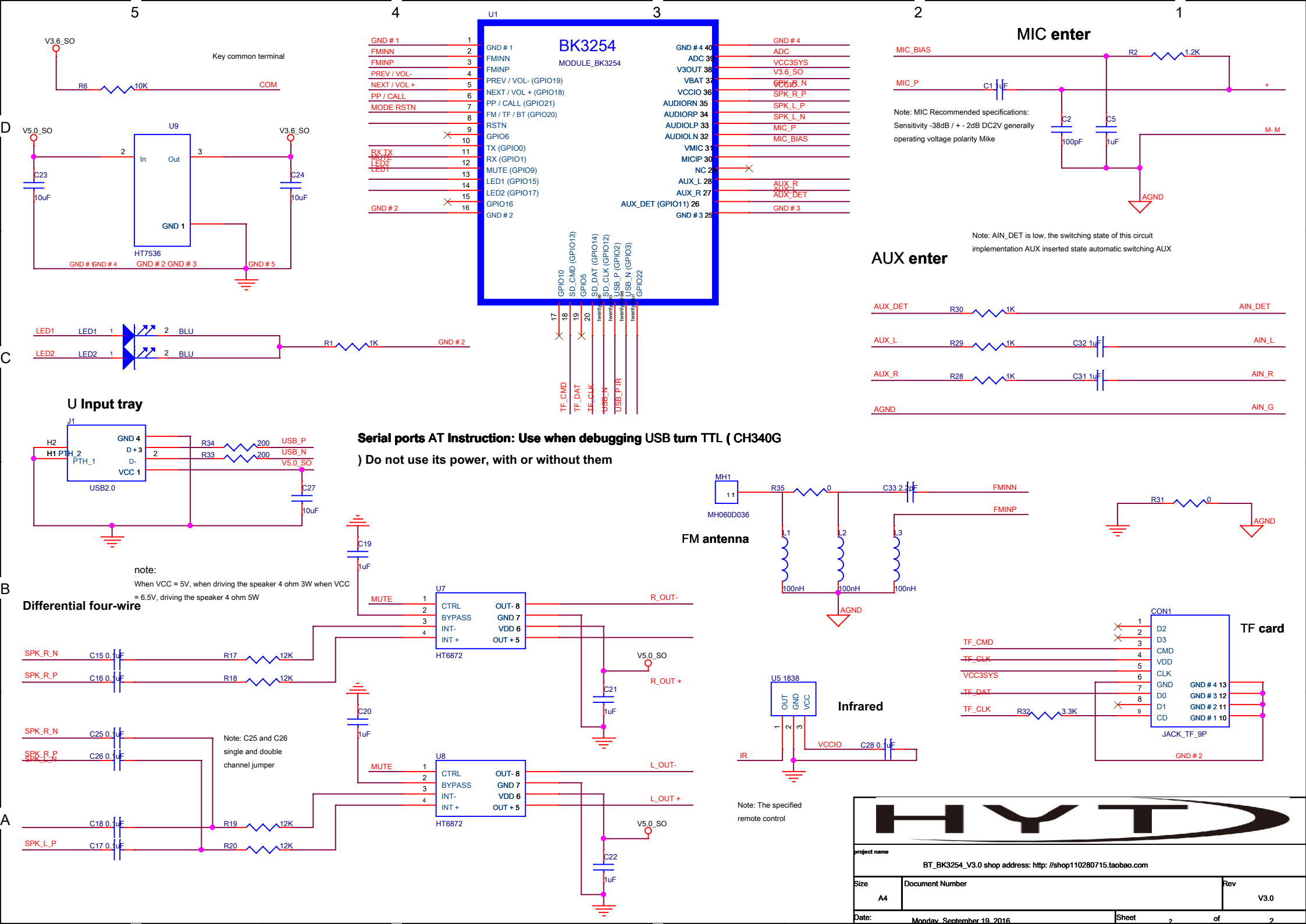
5
4
3
2
1
V3.6_SO
Key common terminal
R6
10K
COM
U1
BK3254
MODULE_BK3254
GND # 1
FMINN
FMINP
PREV / VOL-
NEXT / VOL +
PP / CALL
MODE RSTN
GND # 2
GND # 4
ADC
VCC3SYS
V3.6_SO
SPK_R_N
SPK_R_P
SPK_L_P
SPK_L_N
MIC_P
MIC_BIAS
AUX_R
AUX_L
AUX_DET
GND # 3
PREV / VOL- (GPIO19)
NEXT / VOL + (GPIO18)
PP / CALL (GPIO21)
FM / TF / BT (GPIO20)
RSTN
GPIO6
TX (GPIO0)
RX (GPIO1)
MUTE (GPIO9)
LED1 (GPIO15)
LED2 (GPIO17)
GPIO16
VCCIO 36
AUDIORN 35
AUDIORP 34
AUDIOLP 33
AUDIOLN 32
VMIC 31
MICIP 30
NC 29
AUX_L 28
AUX_R 27
AUX_DET (GPIO11) 26
GPIO10
SD_CMD (GPIO13)
GPIO5
SD_DAT (GPIO14)
SD_CLK (GPIO12)
USB_P (GPIO2)
USB_N (GPIO3)
GPIO22
TF_CMD
TF_DAT
TF_CLK
USB_N
USB_P IR
MIC enter
MIC_BIAS
MIC_P
R2
1.2K
C1 1uF
C2
100pF
C5
1uF
M- M
AGND
Note: MIC Recommended specifications:
Sensitivity -38dB / + - 2dB DC2V generally
operating voltage polarity Mike
U9
V5.0_SO
V3.6_SO
In
Out
GND 1
HT7536
C23
10uF
C24
10uF
GND # GND # 4
GND # 2 GND # 3
GND # 5
LED1
LED2
BLU
R1
1K
GND # 2
AUX enter
AUX_DET
R30
1K
AIN_DET
AUX_L
R29
1K
C32 1uF
AIN_L
AUX_R
R28
1K
C31 1uF
AIN_R
AGND
AIN_G
Note: AIN_DET is low, the switching state of this circuit
implementation AUX inserted state automatic switching AUX
U Input tray
J1
H2
H1 PTH_2
PTH_1
GND 4
D + 3
D-
VCC 1
USB2.0
R34
200
R33
200
USB_P
USB_N
V5.0_SO
C27
10uF
Serial ports AT Instruction: Use when debugging USB turn TTL (CH340G
) Do not use its power, with or without them
MH1
MH060D036
R35
0
C33 2.2pF
FMINN
FMINP
FM antenna
L1
L2
L3
100nH
AGND
R31
0
AGND
note:
When VCC = 5V, when driving the speaker 4 ohm 3W when VCC
= 6.5V, driving the speaker 4 ohm 5W
Differential four-wire
C19
1uF
U7
MUTE
CTRL
BYPASS
INT-
INT +
OUT- 8
GND 7
VDD 6
OUT + 5
HT6872
R_OUT-
R_OUT +
V5.0_SO
C21
1uF
SPK_R_N
C15 0.1uF
R17
12K
SPK_R_P
C16 0.1uF
R18
12K
C20
1uF
SPK_R_N
C25 0.1uF
SPK_R_P
SPK_L_N
C26 0.1uF
Note: C25 and C26
single and double
channel jumper
U8
MUTE
CTRL
BYPASS
INT-
INT +
OUT- 8
GND 7
VDD 6
OUT + 5
HT6872
L_OUT-
L_OUT +
V5.0_SO
C22
1uF
C18 0.1uF
R19
12K
SPK_L_P
C17 0.1uF
R20
12K
U5 1838
OUT
GND
VCC
IR
VCCIO
C28 0.1uF
Infrared
Note: The specified
remote control
CON1
TF card
D2
D3
CMD
VDD
CLK
GND
D0
D1
CD
GND # 4 13
GND # 3 12
GND # 2 11
GND # 1 10
TF_CMD
TF_CLK
VCC3SYS
TF_DAT
TF_CLK
R32
3.3K
JACK_TF_9P
GND # 2
HYT
project name
BT_BK3254_V3.0 shop address: http: //shop110280715.taobao.com
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Sheet
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of
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