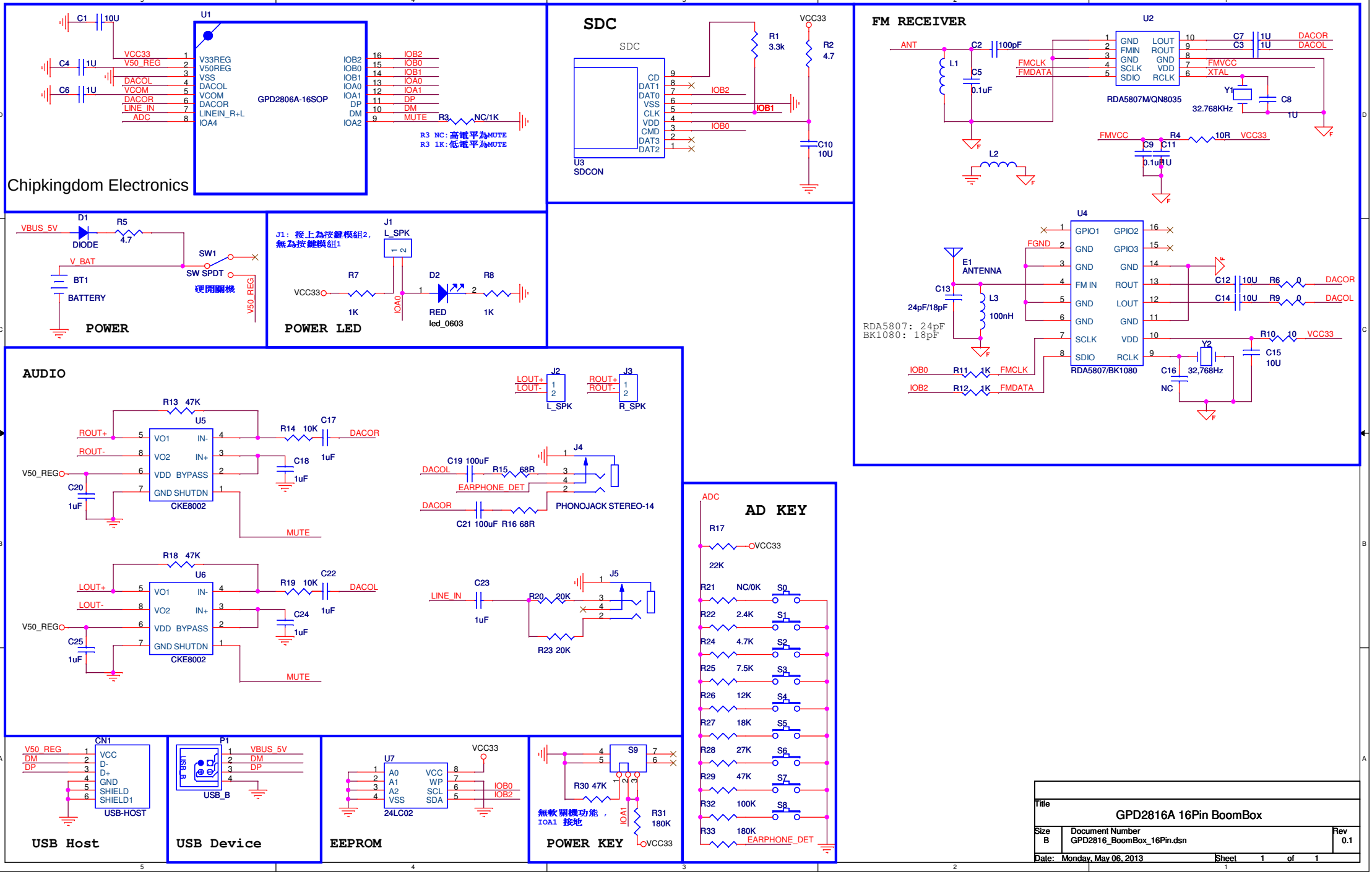
Chipkingdom Electronics
U1
GPD2806A-16SOP
V33REG
V50REG
VSS
DACOL
VCOM
DACOR
LINEIN_R+L
IOA4
IOB2
IOB0
IOB1
IOA0
IOA1
DP
DM
MUTE
R3 NC/1K
R3 NC: 高電平為MUTE
R3 1K: 低電平為MUTE
SDC
SDC
U3
SDCON
R1 3.3k
R2 4.7
C10 10U
FM RECEIVER
U2
RDA5807M/QN8035
ANT
L1
L2
C5 0.1uF
C2 100pF
FMCLK
FMDATA
Y1 32.768KHz
C8 1U
C7 1U
C3 1U
FMVCC
XTAL
R4 10R
C9 0.1uF
C11 1U
U4
RDA5807/BK1080
E1 ANTENNA
C13 24pF/18pF
L3 100nH
RDA5807: 24pF
BK1080: 18pF
C12 10U
C14 10U
R6 0
R9 0
DACOR
DACOL
R10 10
C15 10U
Y2 32,768Hz
C16 NC
R11 1K
R12 1K
IOB0
IOB2
D1 DIODE
R5 4.7
VBUS_5V
V_BAT
SW1 SW SPDT
硬開關機
BT1 BATTERY
V50_REG
POWER
J1
L_SPK
J1: 接上為按鍵模組2, 無為按鍵模組1
R7 1K
D2 RED led_0603
R8 1K
POWER LED
AUDIO
U5
U6
CKE8002
R13 47K
R14 10K
C17 1uF
C18 1uF
C20 1uF
R18 47K
R19 10K
C22 1uF
C24 1uF
C25 1uF
MUTE
J2 L_SPK
J3 R_SPK
J4 PHONOJACK STEREO-14
C19 100uF
R15 68R
EARPHONE_DET
C21 100uF R16 68R
J5
C23 1uF
R20 20K
R23 20K
AD KEY
R17 22K
R21 NC/0K
R22 2.4K
R24 4.7K
R25 7.5K
R26 12K
R27 18K
R28 27K
R29 47K
R32 100K
R33 180K
S0
S1
S2
S3
S4
S5
S6
S7
S8
USB Host
CN1
USB-HOST
USB Device
P1
USB_B
EEPROM
U7
24LC02
POWER KEY
S9
R30 47K
R31 180K
無軟關機功能，IOA1 接地
Title
GPD2816A 16Pin BoomBox
Size B
Document Number GPD2816_BoomBox_16Pin.dsn
Rev 0.1
Date: Monday, May 06, 2013
Sheet 1 of 1