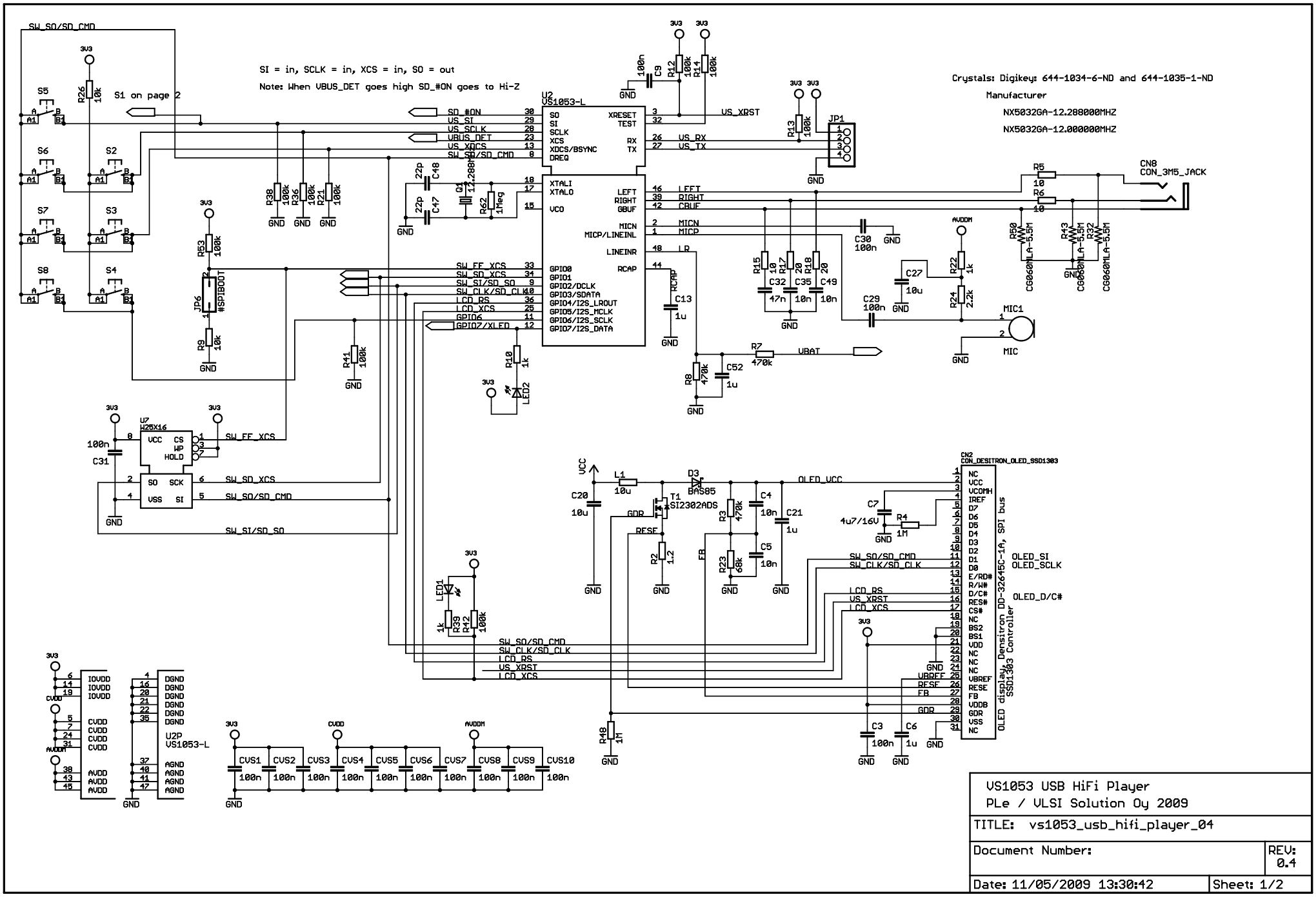
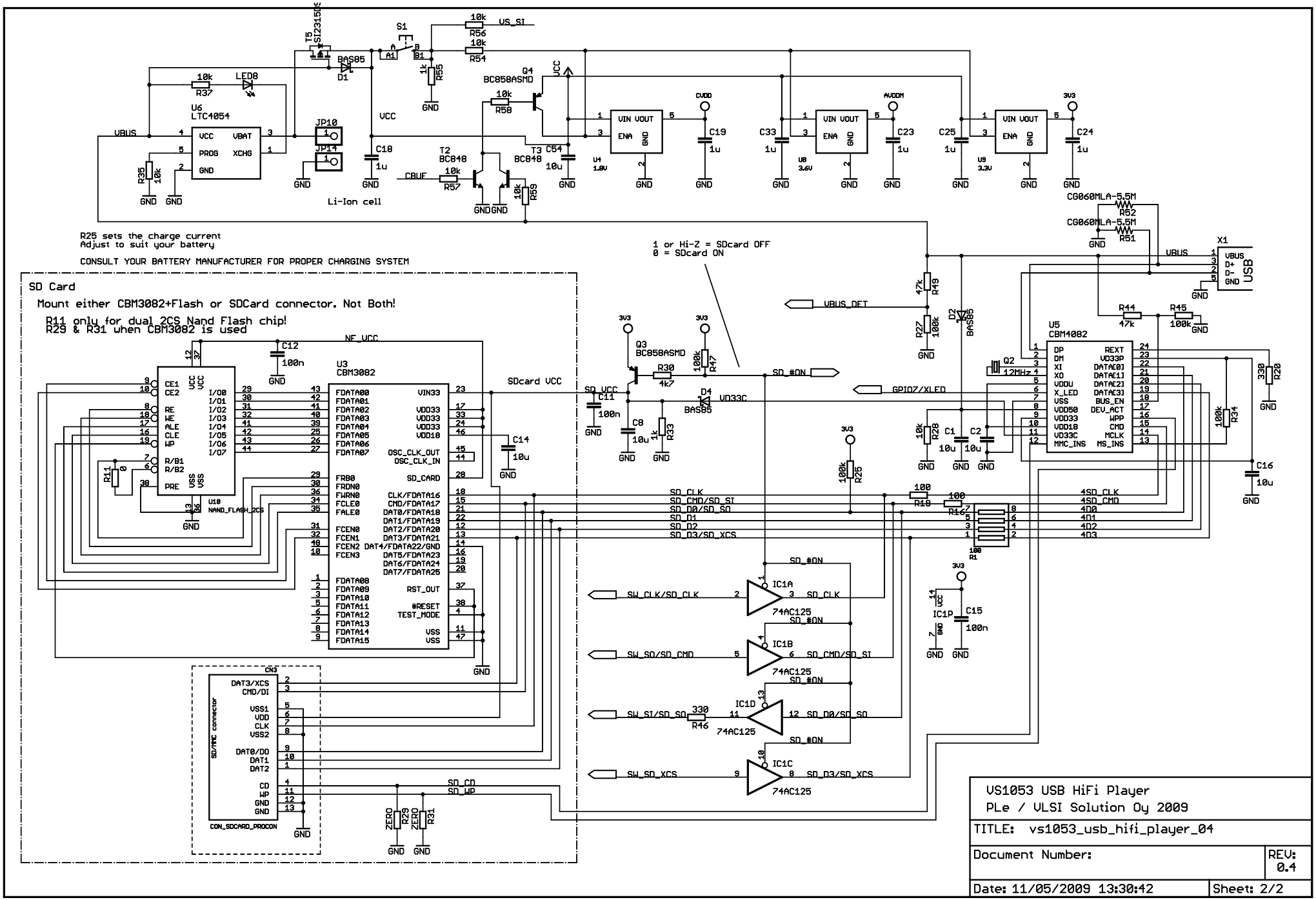

SW_SO/SD_CMD
SI = in, SCLK = in, XCS = in, SO = out
Note: When VBUS_DET goes high SD_#ON goes to Hi-Z
S1 on page 2
U2
VS1053-L
Crystals: Digikey: 644-1034-6-ND and 644-1035-1-ND
Manufacturer
NX5032GA-12.288000MHZ
NX5032GA-12.000000MHZ
SD_#ON
VS_SI
VS_SCLK
VBUS_DET
VS_XDCS
SW_SD/SD_CMD
VS_XRST
VS_RX
VS_TX
LEFT
RIGHT
CBUF
MICN
MICP
LR
SW_FF_XCS
SW_SD_XCS
SW_SI/SD_SO
SW_CLK/SD_CLK
LCD_RS
LCD_XCS
GPIO6
GPIO7/XLED
VBAT
OLED_VCC
CN8
CON_3M5_JACK
MIC1
MIC
JP1
JP6
#SPIBOOT
U7
W25X16
CN2
CON_DESITRON_OLED_SSD1303
OLED display Densitron DD-32645C-1A, SPI bus
SSD1303 Controller
OLED_SI
OLED_SCLK
OLED_D/C#
U2P
VS1053-L
CVS1
CVS2
CVS3
CVS4
CVS5
CVS6
CVS7
CVS8
CVS9
CVS10
VS1053 USB HiFi Player
PLe / VLSI Solution Oy 2009
TITLE: vs1053_usb_hifi_player_04
Document Number:
REV: 0.4
Date: 11/05/2009 13:30:42
Sheet: 1/2


R25 sets the charge current
Adjust to suit your battery
CONSULT YOUR BATTERY MANUFACTURER FOR PROPER CHARGING SYSTEM
1 or Hi-Z = SDcard OFF
0 = SDcard ON
SD Card
Mount either CBM3082+Flash or SDCard connector. Not Both!
R11 only for dual 2CS Nand Flash chip!
R29 & R31 when CBM3082 is used
Li-Ion cell
U6 LTC4054
U3 CBM3082
U5 CBM4082
U10 NAND_FLASH_2CS
CON_SDCARD_PROCON
74AC125
VS1053 USB HiFi Player
PLe / VLSI Solution Oy 2009
TITLE: vs1053_usb_hifi_player_04
Document Number:
REV: 0.4
Date: 11/05/2009 13:30:42
Sheet: 2/2