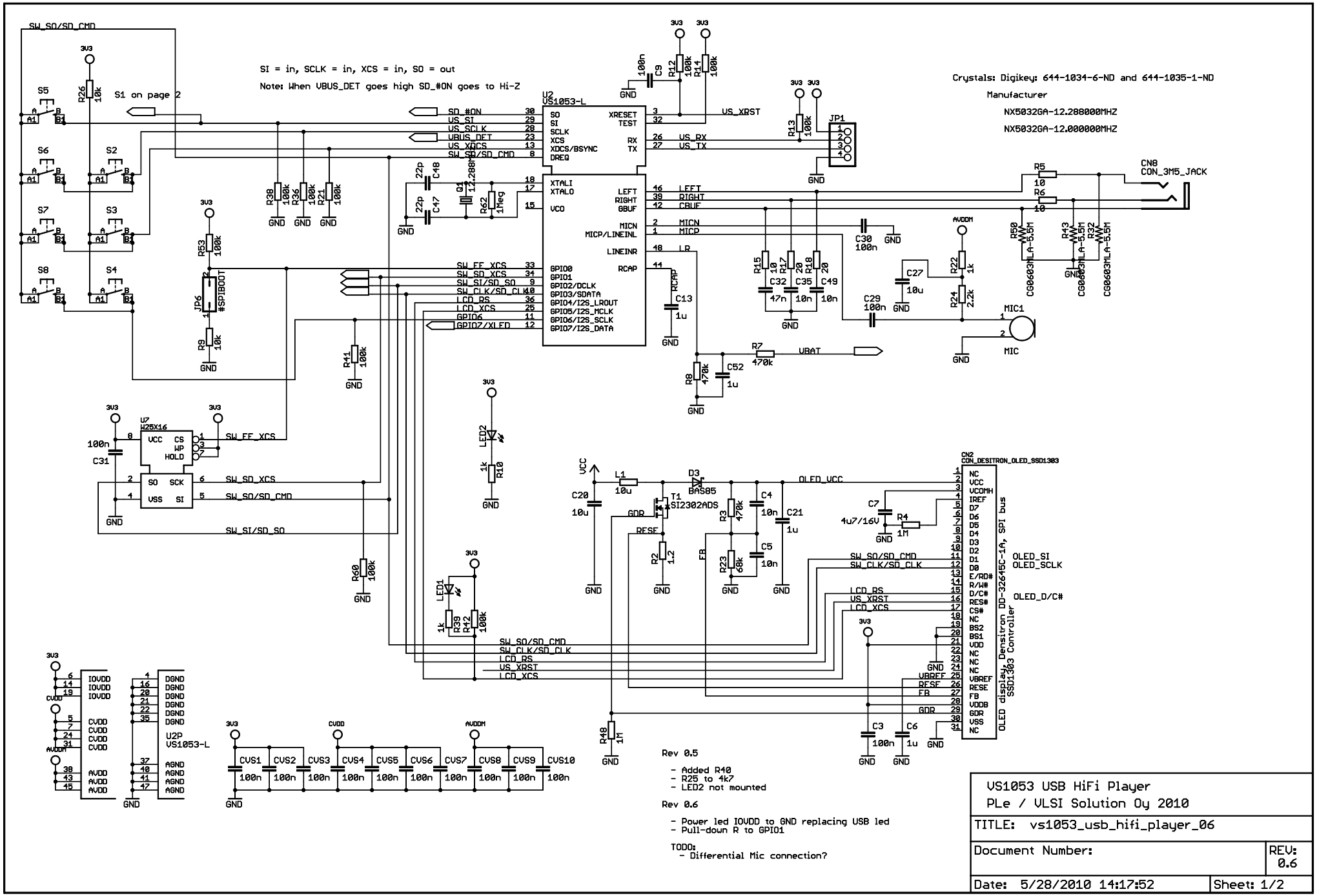
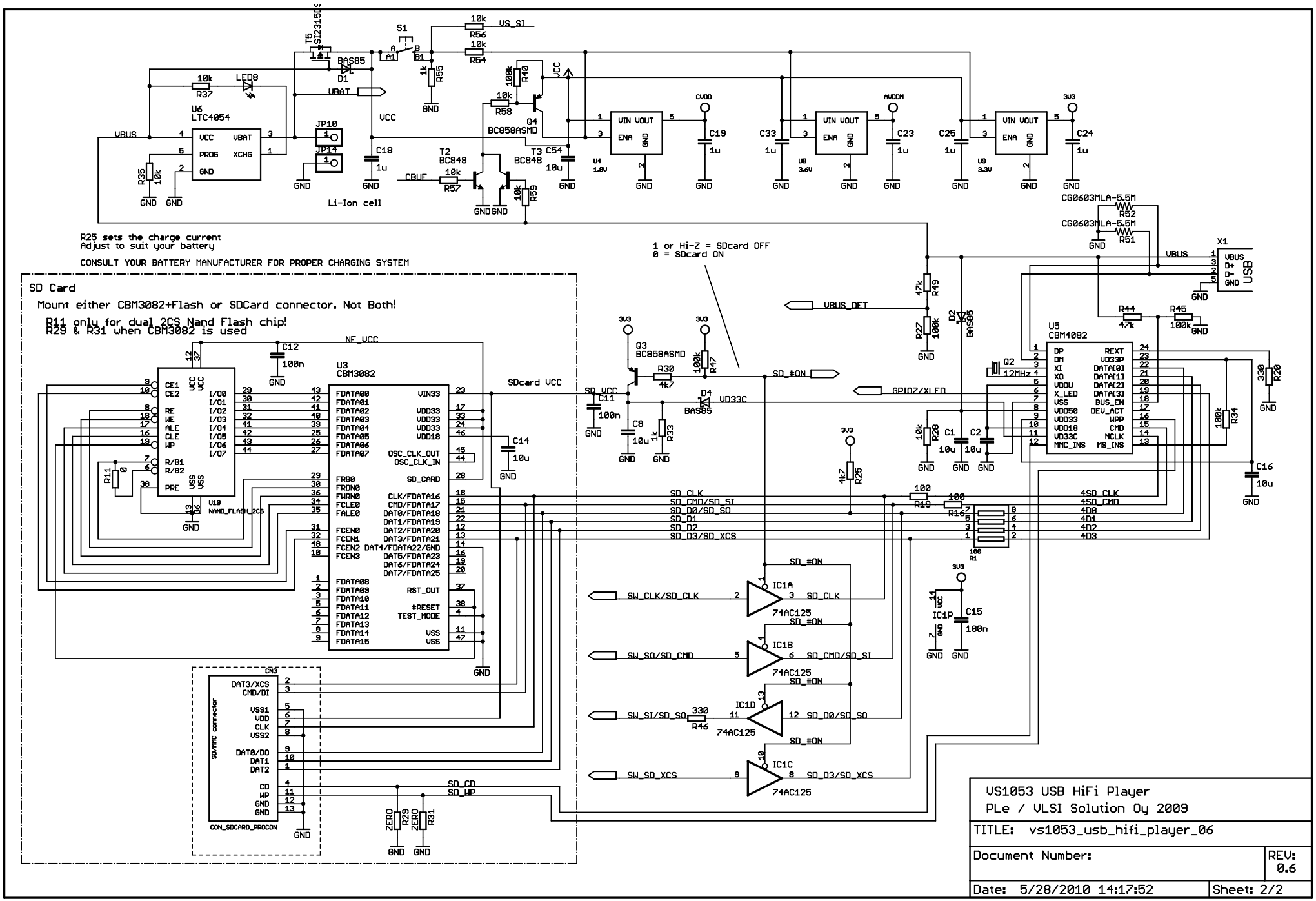

SW_SO/SD_CMD
S1 on page 2
SI = in, SCLK = in, XCS = in, SO = out
Note: When VBUS_DET goes high SD_#ON goes to Hi-Z
Crystals: Digikey: 644-1034-6-ND and 644-1035-1-ND
Manufacturer
NX5032GA-12.288000MHZ
NX5032GA-12.000000MHZ
U2
VS1053-L
SD_#ON
VS_SI
VS_SCLK
VBUS_DET
VS_XDCS
SW_SD/SD_CMD
VS_XRST
VS_RX
VS_TX
LEFT
RIGHT
CBUF
MICN
MICP
LR
RCAP
SW_FF_XCS
SW_SD_XCS
SW_SI/SD_SO
SW_CLK/SD_CLK
LCD_RS
LCD_XCS
GPIO6
GPIO7/XLED
#SPIBOOT
VBAT
MIC1
MIC
CN8
CON_3M5_JACK
U7
W25X16
LED1
LED2
U2P
VS1053-L
CVS1
CVS2
CVS3
CVS4
CVS5
CVS6
CVS7
CVS8
CVS9
CVS10
CN2
CON_DESITRON_OLED_SSD1303
OLED_VCC
OLED_SI
OLED_SCLK
OLED_D/C#
OLED display, Densitron DD-32645C-1A, SPI bus
SSD1303 Controller
Rev 0.5
- Added R40
- R25 to 4k7
- LED2 not mounted
Rev 0.6
- Power led IOVDD to GND replacing USB led
- Pull-down R to GPIO1
TODO:
- Differential Mic connection?
VS1053 USB HiFi Player
PLe / VLSI Solution Oy 2010
TITLE: vs1053_usb_hifi_player_06
Document Number:
REV: 0.6
Date: 5/28/2010 14:17:52
Sheet: 1/2


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
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
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_06
Document Number:
REV: 0.6
Date: 5/28/2010 14:17:52
Sheet: 2/2