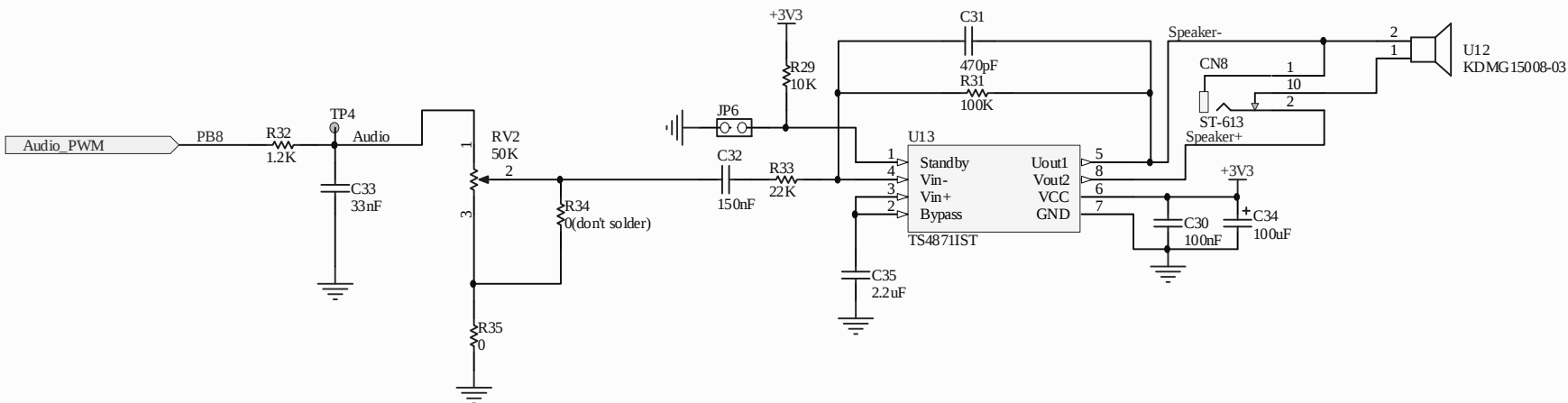


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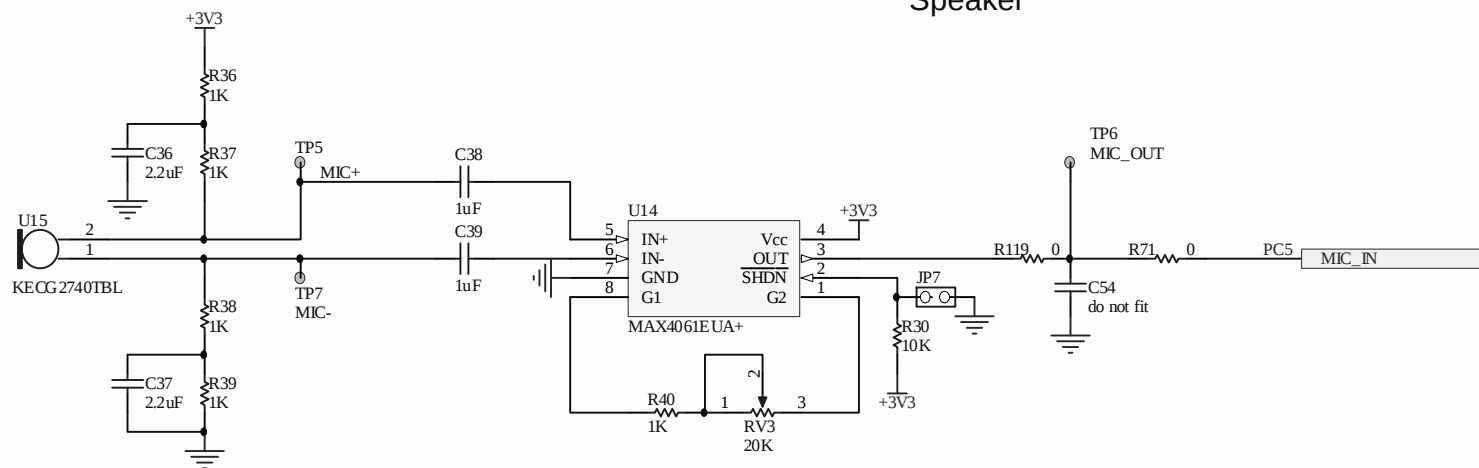
2

3

4



Speaker



Microphone

STMicroelectronics

 Title: **STM32F10X-128K-EVAL Audio**

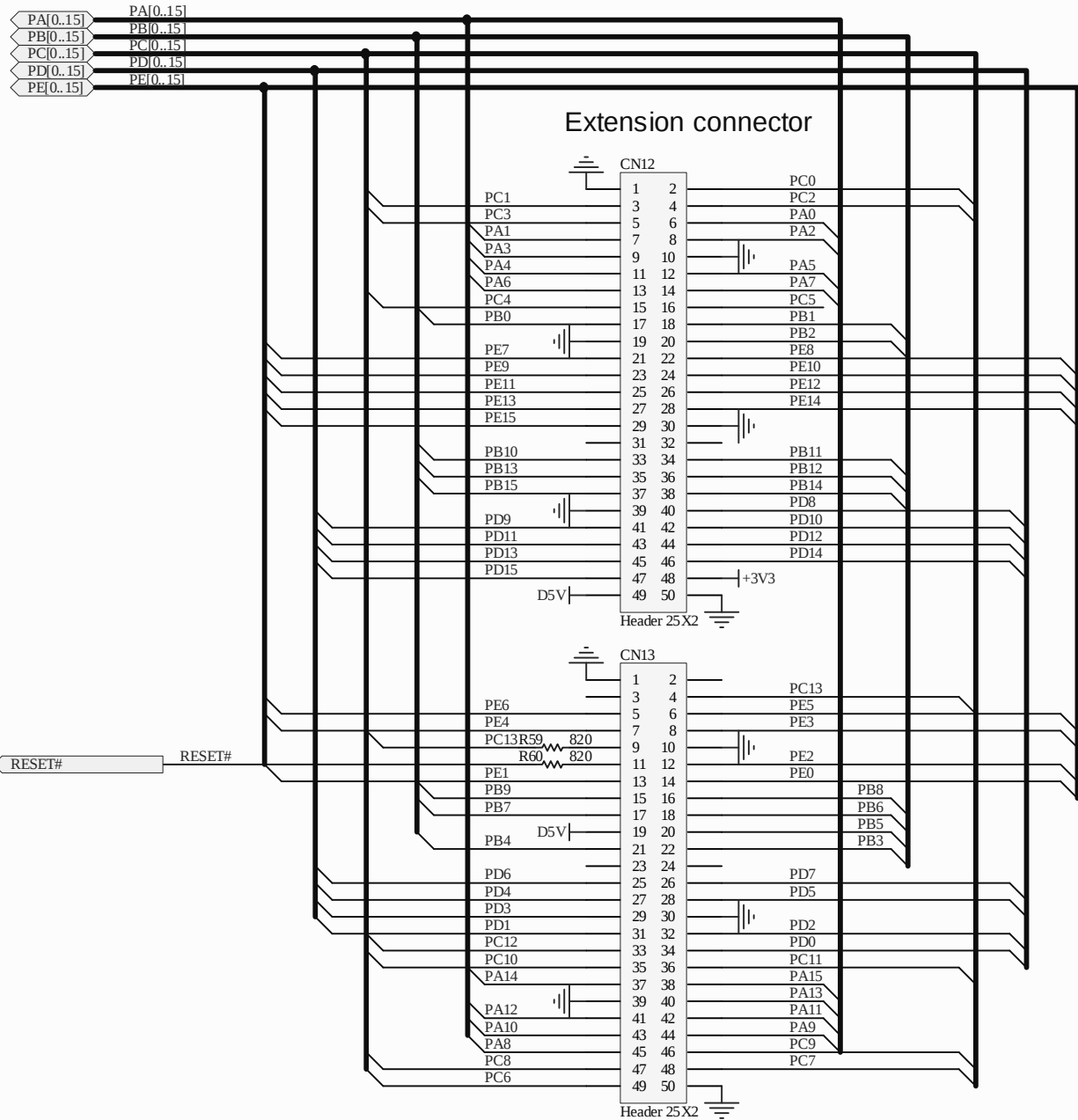
Number: MB525 | Rev: B.1(PCB.SCH) | Date: 2007-06-21 | Sheet 5 of 11

1

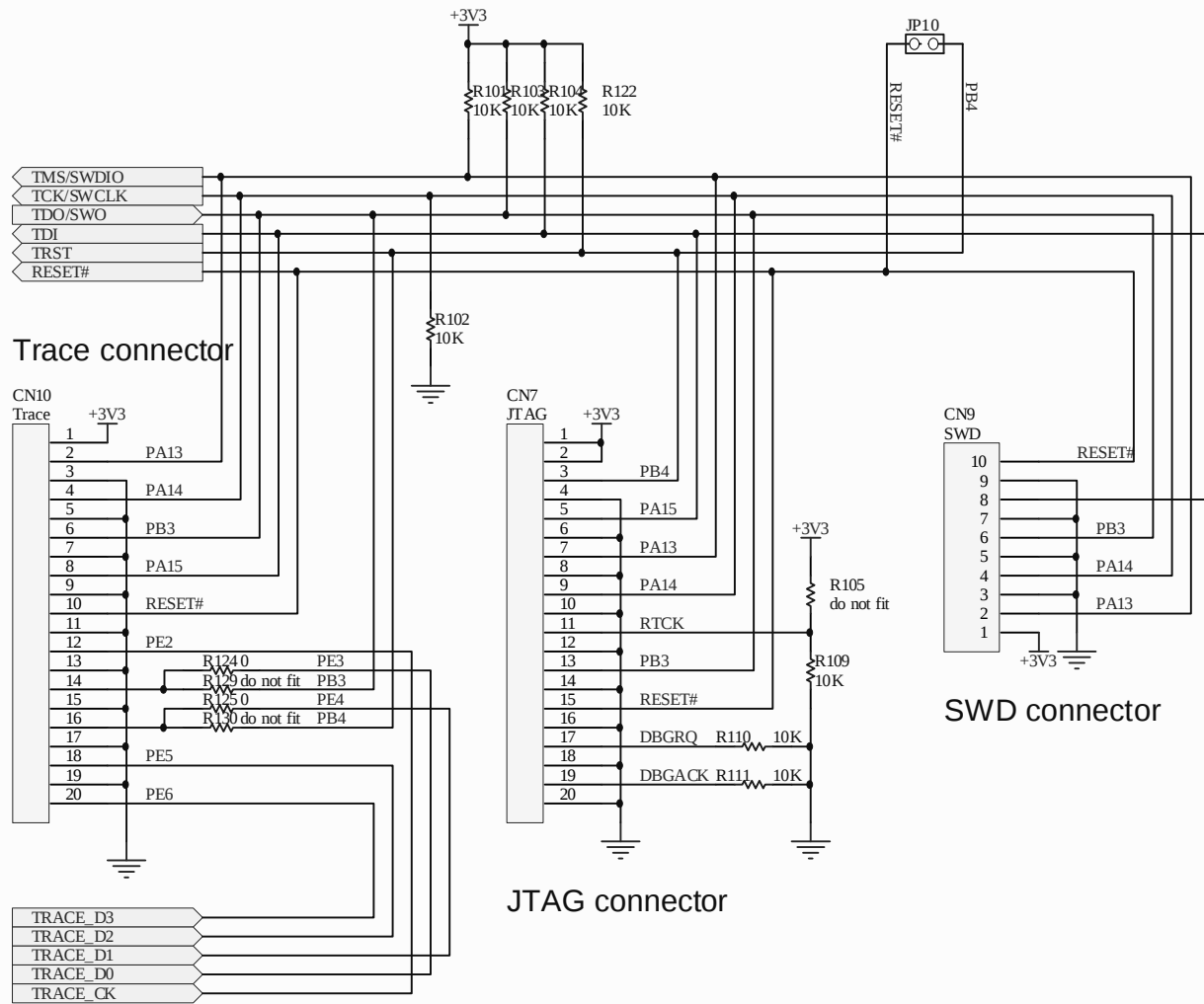
2

3

4



Connect 3.3V to extension connector, it may be not compatible with daughter board for STR910&STR750

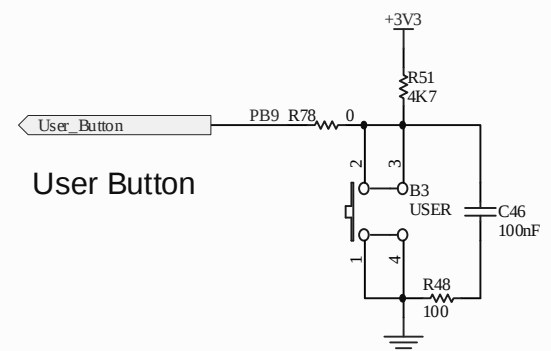
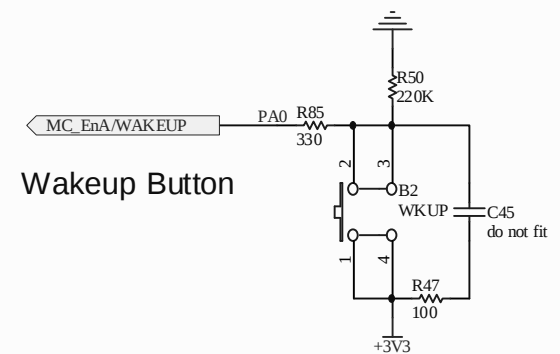
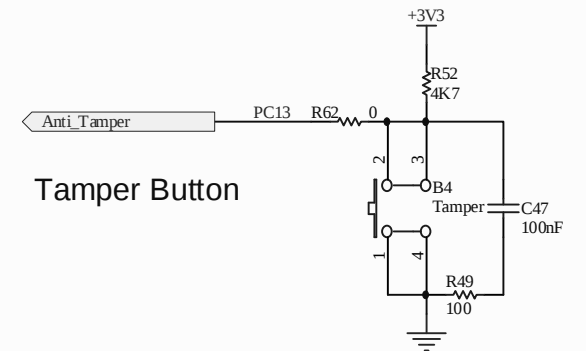
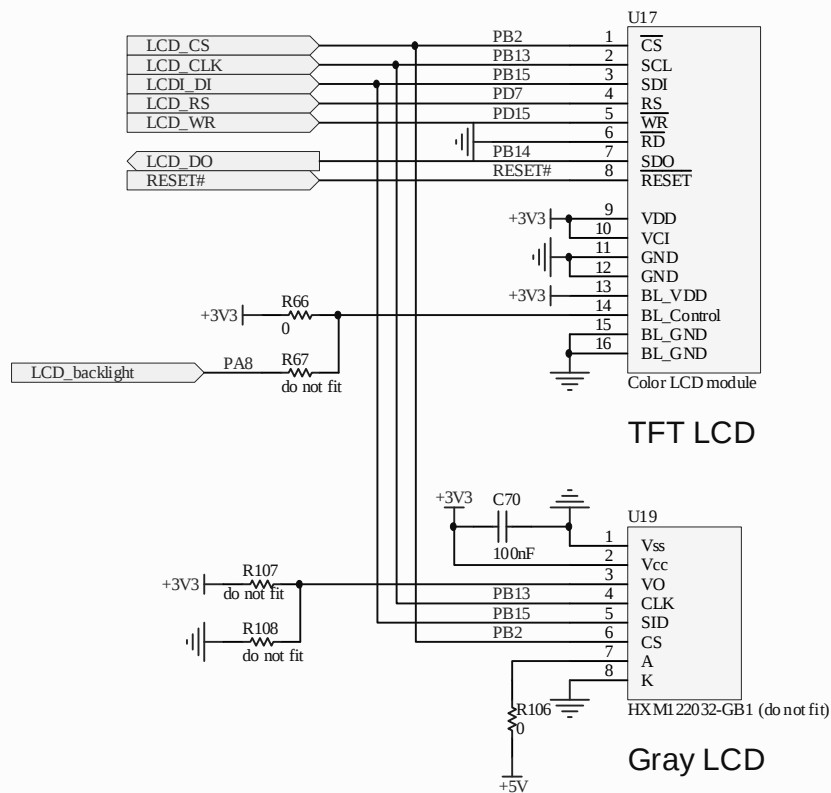
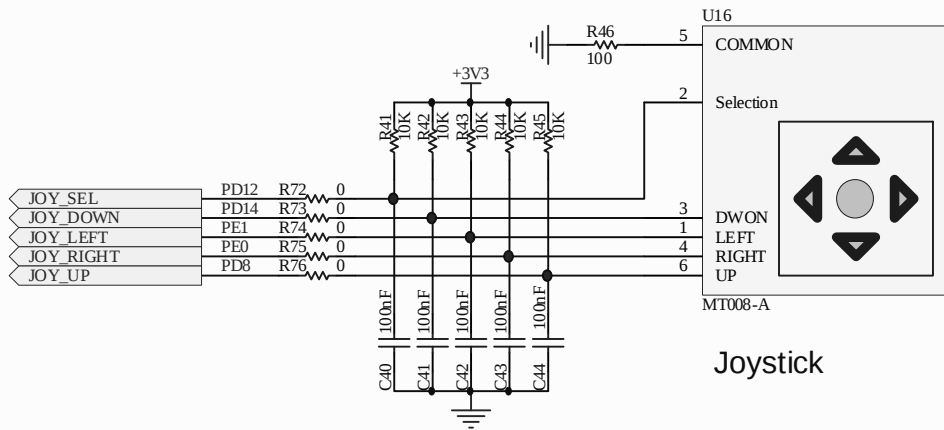


CN10 will support both legacy JTAG and future JTAG by 0 ohm resistors.

STMicroelectronics

Title: STM32F10X-128K-EVAL JTAG&SWD

Number: MB525 Rev: B.1(PCB.SCH) Date: 2007-06-21 Sheet 9 of 11



STMicroelectronics

Title: **STM32F10X-128K-EVAL LCD&Joystick**

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U_Audio
Audio.SchDocMIC_IN
Audio_PWMU_JTAG&SWD
JTAG&SWD.SchDocTDI
RESET#
TRST
TMS/SWDIO
TCK/SWCLK
TDO/SWO
TRACE_CK
TRACE_D0
TRACE_D1
TRACE_D2
TRACE_D3U_LCD&Joystick
LCD&Joystick.SchDocJOY_SEL
JOY_DOWN
JOY_LEFT
JOY_RIGHT
JOY_UP
Anti_Tamper
MC_EnA/WAKEUP
User_Button
RESET#
LCD_backlight
LCD_DO
LCD_WR
LCD_RS
LCDI_DI
LCD_CLK
LCD_CSU_Extension
Extension.SchDocRESET#
PE[0..15]
PD[0..15]
PC[0..15]
PB[0..15]
PA[0..15]U_Power
Power.SchDocU_MCU
MCU.SchDocMIC_IN
Audio_PWM
TDI
TRST
TMS/SWDIO
TCK/SWCLK
TDO/SWO
TRACE_CK
TRACE_D0
TRACE_D1
TRACE_D2
TRACE_D3JOY_SEL
JOY_DOWN
JOY_LEFT
JOY_RIGHT
JOY_UP
Anti_Tamper
User_Button
LCD_backlight
LCD_DO
LCD_WR
LCD_RS
LCDI_DI
LCD_CLK
LCD_CSPE[0..15]
PD[0..15]
PC[0..15]
PB[0..15]
PA[0..15]

RESET#

MC_PFCsync1
MC_PFCsync2
MC_WL
MC_VH
MC_VL
MC_UH
MC_UL
MC_WH
MC_NTC
MC_DissipativeBrake
MC_PFCpwm
MC_EmergencySTOP
MC_EnIndex
MC_BusVoltage
MC_HeatsinkTemperature
MC_EnB
MC_EnA/WAKEUP
MC_CurrentC
MC_CurrentB
MC_CurrentA/BNCSPI1_NSS
SPI1_SCK
SPI1_MOSI
SPI1_MISO
USB_DM
USB_DP
USB_Disconnect
TemperatureSensor_SCL
TemperatureSensor_SDA
TemperatureSensor_INT
CAN_TX
CAN_RX
LED4
LED3
LED2
LED1
PotentiometerSmartCard_3V5
SmartCard_IO
SmartCard_RST
SmartCard_CLK
SmartCard_CMDVCC
SmartCard_OFF

MicroSDCard_CS

USART1_TX
USART1_RTS
USART1_RX
USART1_CTS
IrDA_RX
IrDA_TX
USART0_RX
USART0_TXU_MotorCtrl
MotorCtrl.SchDocMC_PFCsync1
MC_PFCsync2
MC_WL
MC_VH
MC_VL
MC_UH
MC_UL
MC_WH
MC_NTC
MC_DissipativeBrake
MC_PFCpwm
MC_EmergencySTOP
MC_EnIndex
MC_BusVoltage
MC_HeatsinkTemperature
MC_EnB
MC_EnA/WAKEUP
MC_CurrentC
MC_CurrentB
MC_CurrentA/BNCU_Peripherals
Peripherals.SchDocSPI1_NSS
SPI1_SCK
SPI1_MOSI
SPI1_MISO
USB_DM
USB_DP
USB_Disconnect
TemperatureSensor_SCL
TemperatureSensor_SDA
TemperatureSensor_INT
CAN_TX
CAN_RX
LED4
LED3
LED2
LED1
Potentiometer
MC_CurrentA/BNCU_SD&Smart Card
SD&Smart Card.SchDocSmartCard_3V5
SmartCard_IO
SmartCard_RST
SmartCard_CLK
SmartCard_CMDVCC
SmartCard_OFF
SPI1_MISO
SPI1_MOSI
SPI1_SCK
MicroSDCard_CSU_RS232&IrDA
RS232&IrDA.SchDocUSART1_TX
USART1_RTS
USART1_RX
USART1_CTS
IrDA_RX
IrDA_TX
USART0_RX
USART0_TX**STMicroelectronics**

Title: STM32F10X-128K-EVAL

Number:MB525 Rev: B.1(PCB.SCH) Date: 2007-06-21 Sheet 1 of 11

A

A

B

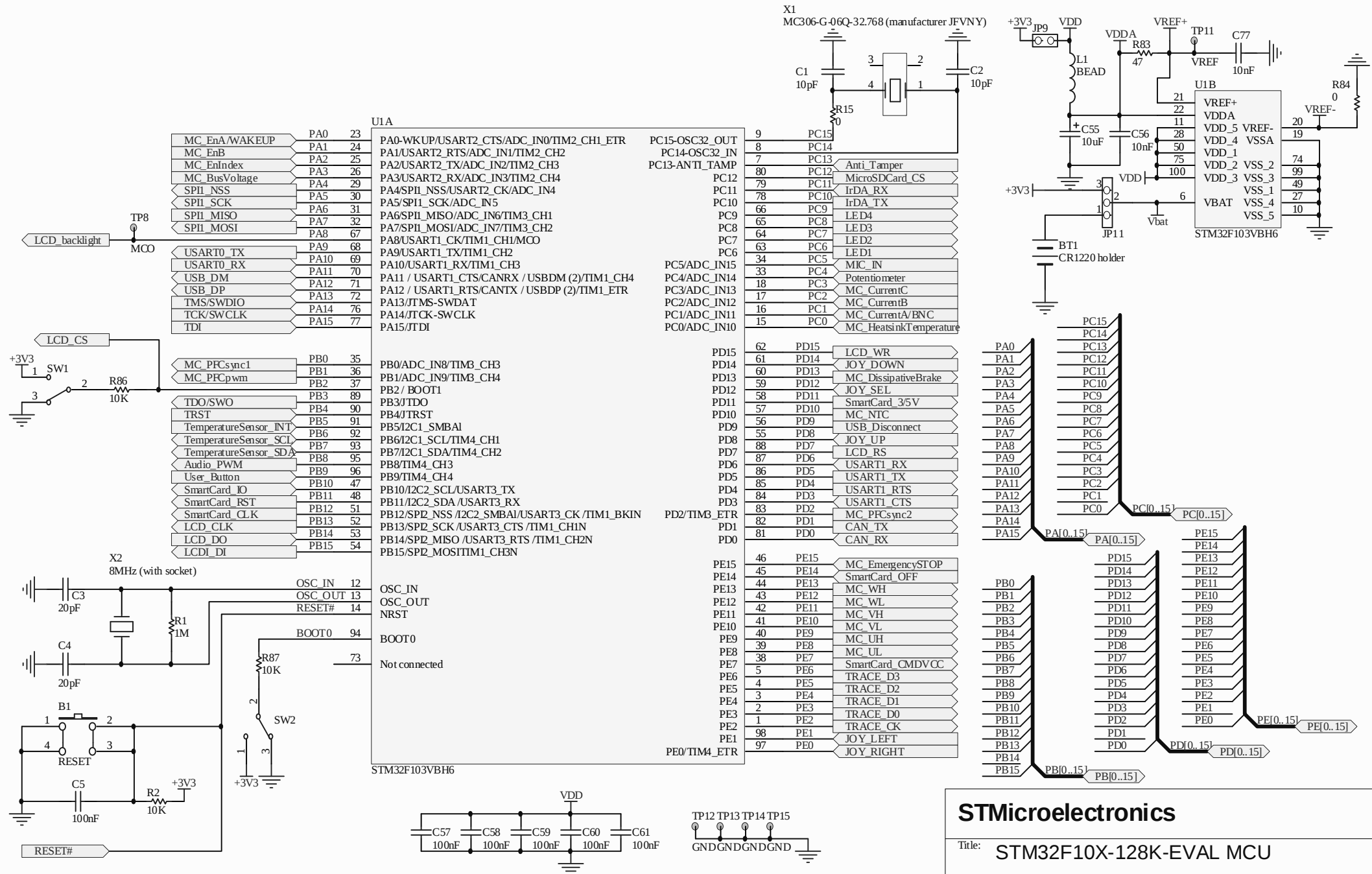
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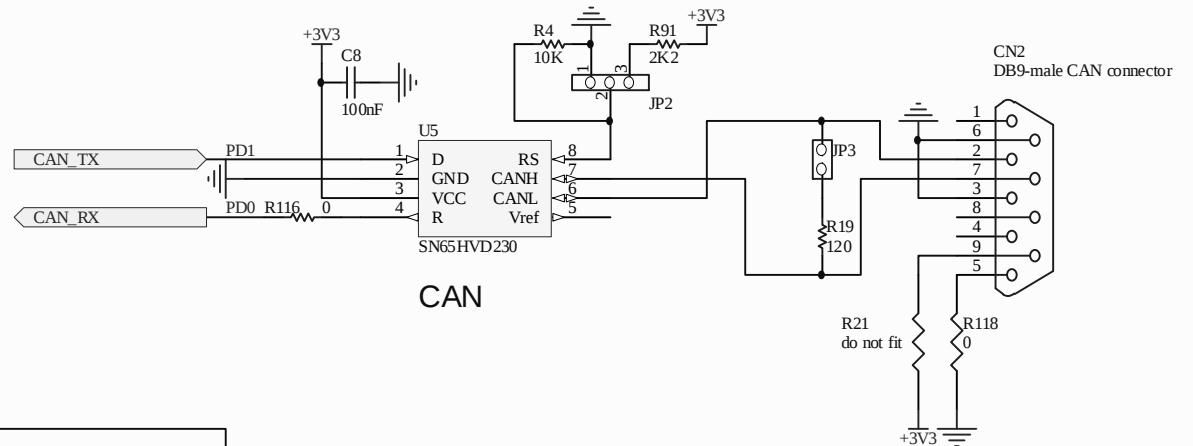
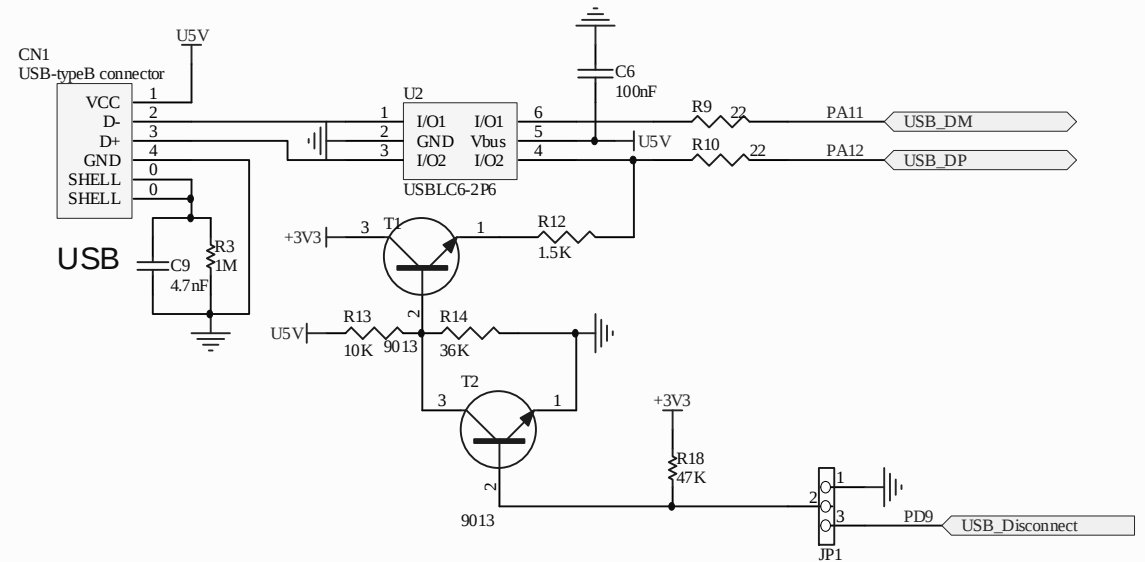
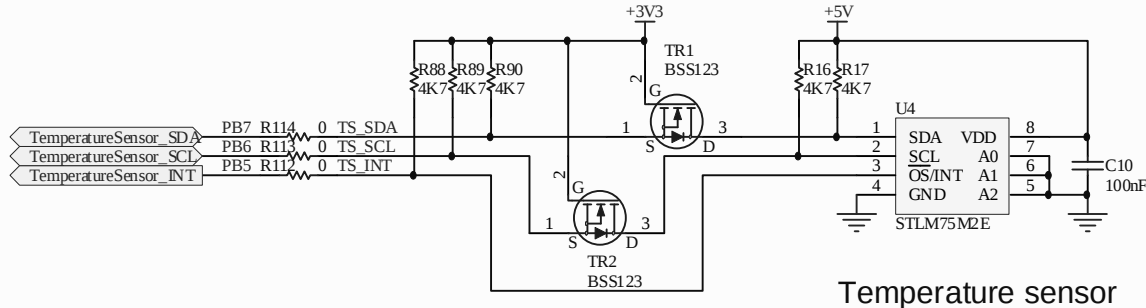
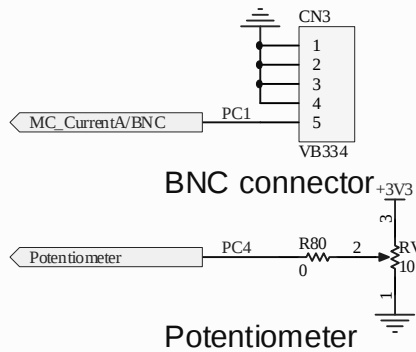
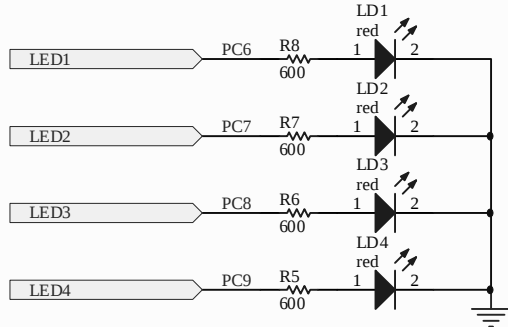
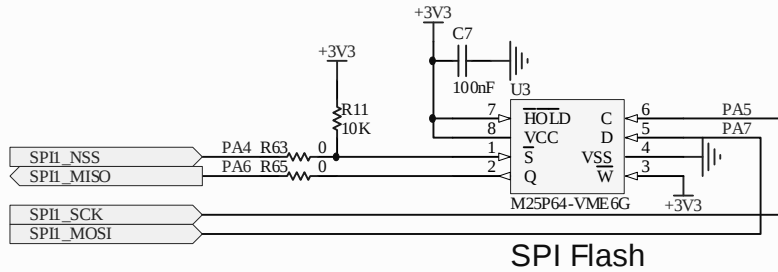
C

C

D

D





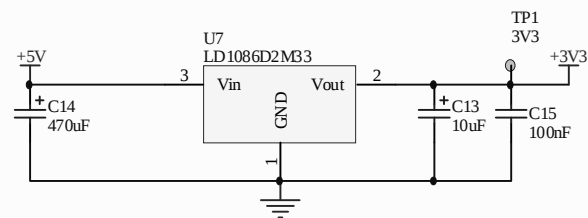
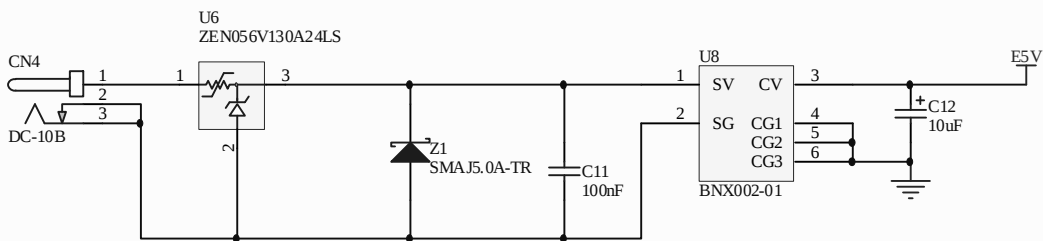
STMicroelectronics			
Title:	STM32F10X-128K-EVAL Peripherals		
Number:MB525	Rev: B.1(PCB.SCH)	Date: 2007-06-21	Sheet3 of 11

1

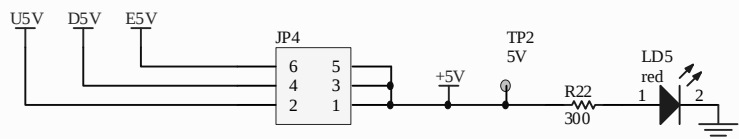
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3

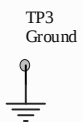
4



Power regulator



Jumper for choice between power connector and daughter board

**STMicroelectronics**Title: **STM32F10X-128K-EVAL Power**

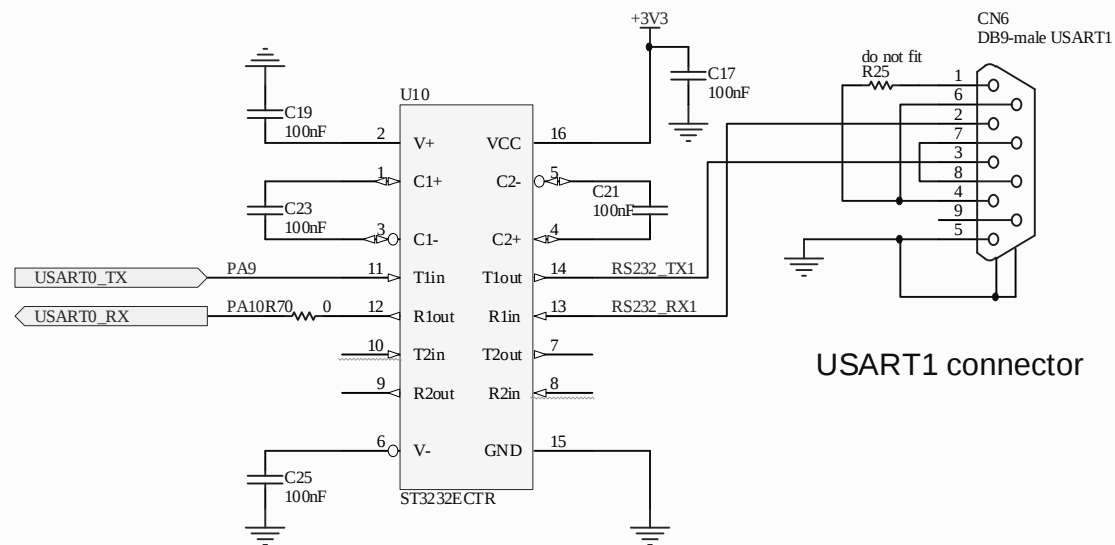
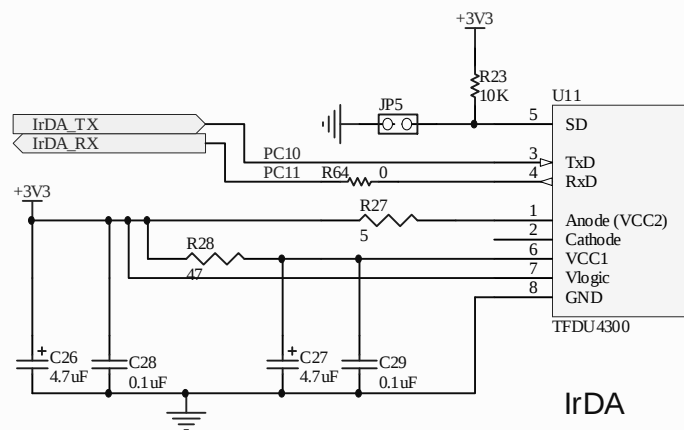
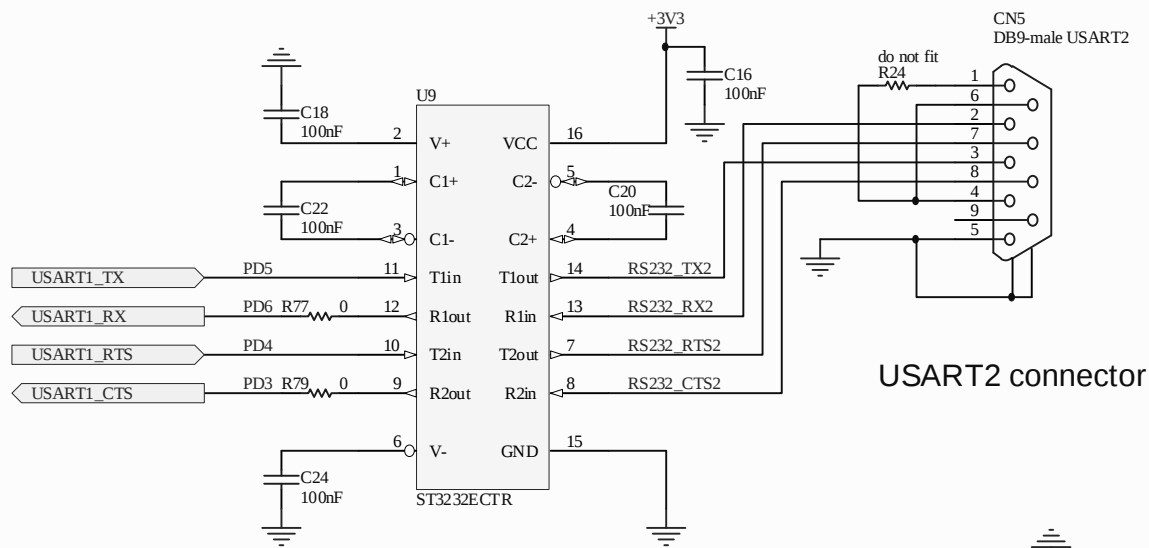
Number:MB525 | Rev: B.1(PCB.SCH) | Date: 2007-06-21 | Sheet10 of 11

1

2

3

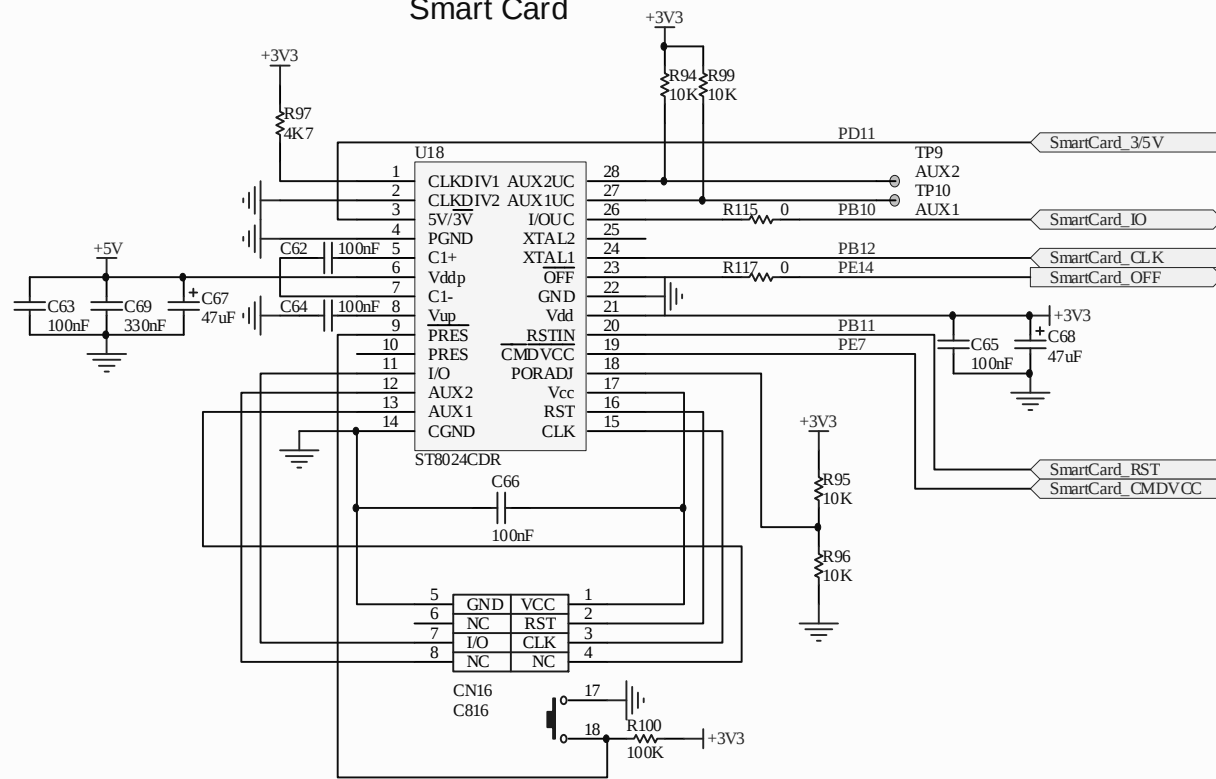
4



STMicroelectronics

Title: **STM32F10X-128K-EVAL RS232&IrDA**

Number:MB525 Rev: B.1(PCB.SCH) Date: 2007-06-21 Sheet4 of 11



1. Clock divider fixed to 1.
2. AUX1&2 connected to Vdd?
3. USART_CK connect to XTAL1 to provide clock to card?
4. Need 2 IO pins(PD11&PE7) for 3/5V control and card activation.



STMicroelectronics

Title: STM32F10X-128K-EVAL SD&Smart Card

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