

Note:

HPS信号

36个特定功能信号 + 8个普通GPIO信号

具有GBE、USB、SPI、I2C、UART、CAN等丰富外设接口

Note:

低速单端信号（电平固定）

LS_DIFF_RXp / LS_DIFF_RXn[0:6] 共7对接收信号；
LS_DIFF_TXp / LS_DIFF_TXn[0:6] 共7对发送信号；

以上28根信号线既可作为差分信号使用，又可作为单端信号使用。

Note:

高速差分信号（电平可控）

HS_DIFF_RXp / HS_DIFF_RXn[0:20] 共21对接收信号；
HS_DIFF_TXp / HS_DIFF_TXn[0:20] 共21对发送信号；

以上84根信号线既可作为差分信号使用，又可作为单端信号使用。

信号电平可调节，3.3V/2.5V/1.8V/1.5V。

HS_DIFF_CLKin+/HS_DIFF_CLKin-[0:1] 共2对时钟输入信号

Note:

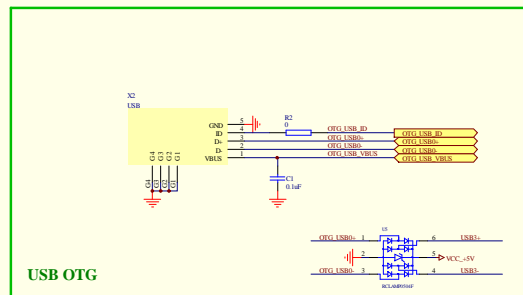
收发器超高速差分信号（3.125Gbps）

HSMC_GXB_RX_p / HSMC_GXB_RX_n[0:5] 共6对高速接收信号；
HSMC_GXB_TX_p / HSMC_GXB_TX_n[0:5] 共6对高速发送信号；

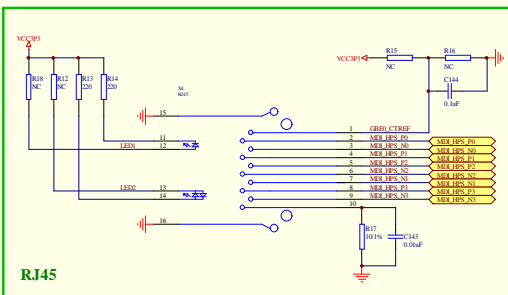
以上24根高速差分信号，速度可达3.125Gbps。

HSMC_REF_CLK_p / HSMC_REF_CLK_n 共1对时钟输入信号

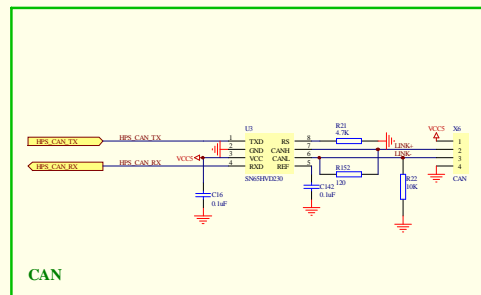
| Title | | | |
|-------|---|----------|---|
| Doc | Number | Revision | |
| C | | | |
| Date: | 17-Jun-2014 | Sheet of | 2 |
| File: | D:\工作空间\工业控制\研华\VCU323-31C2\VCU323-31C2.dwg | | |



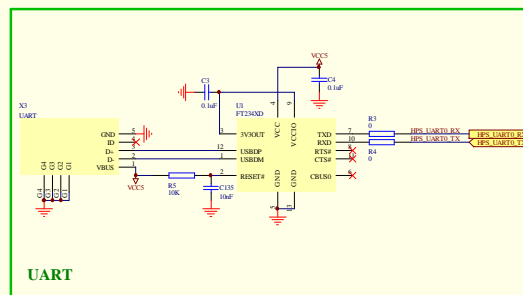
USB OTG



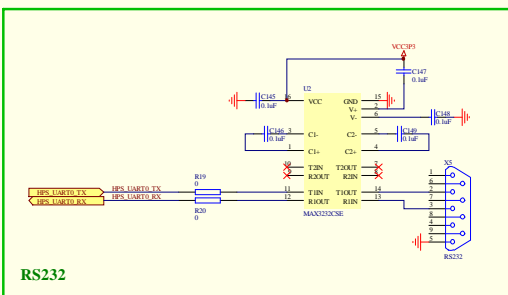
RJ45



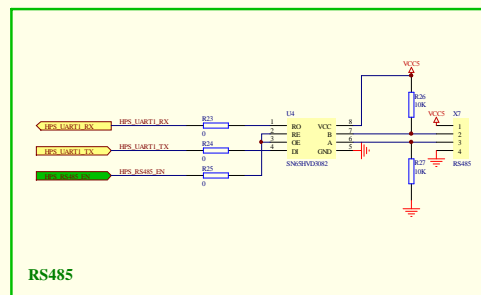
CAN



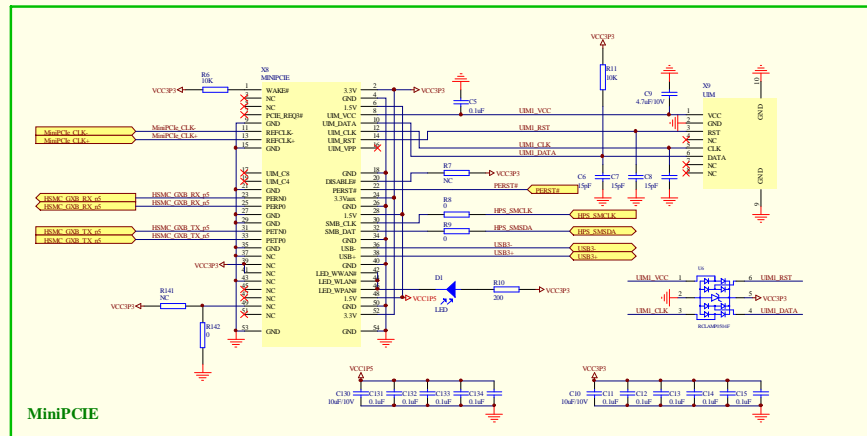
UART



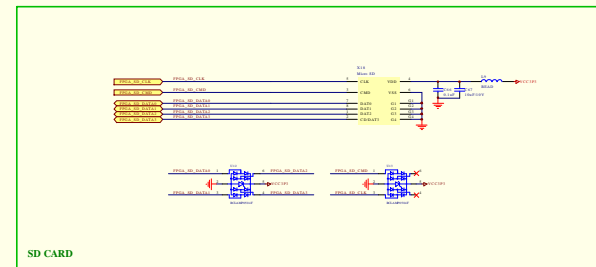
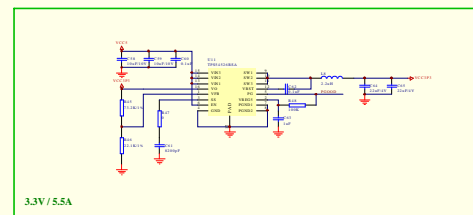
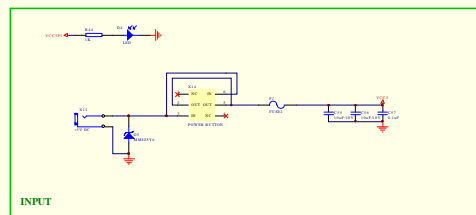
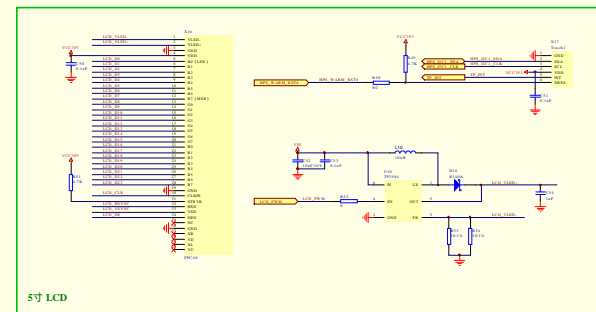
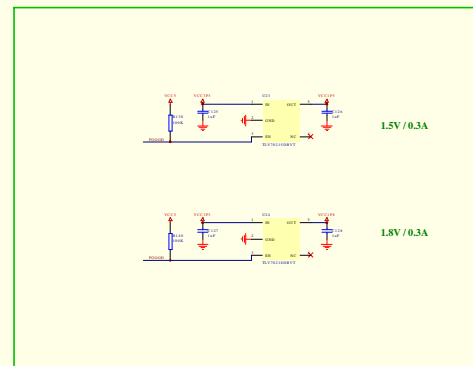
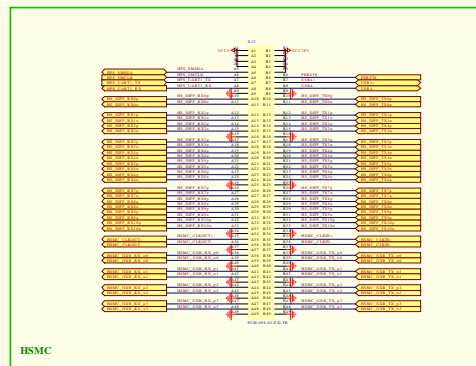
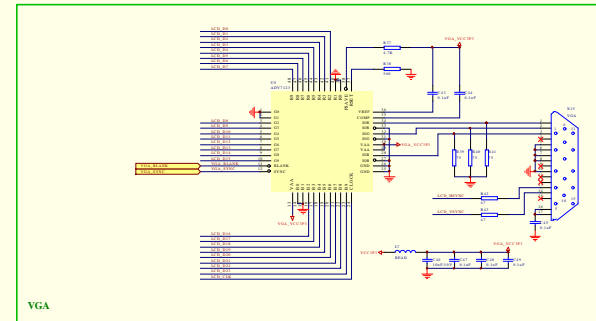
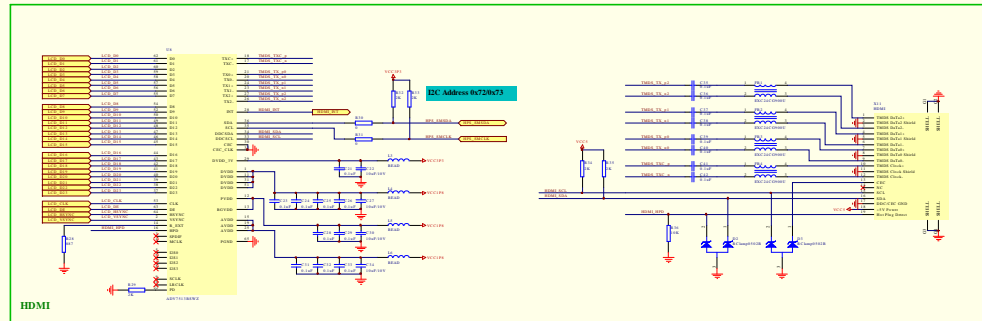
RS232

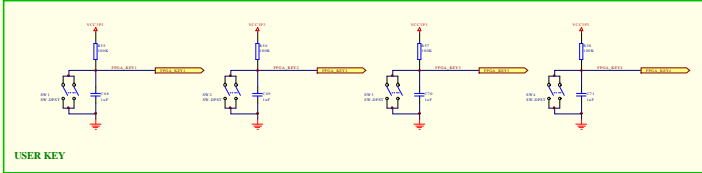


RS485

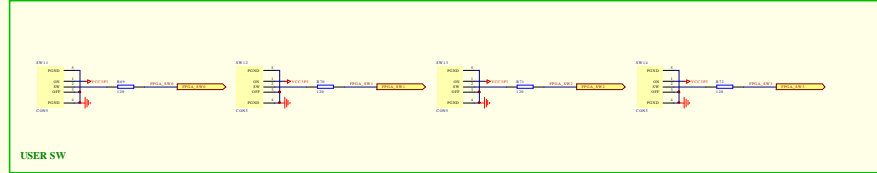


MiniPCIE

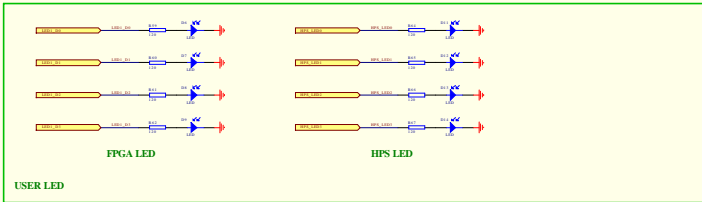




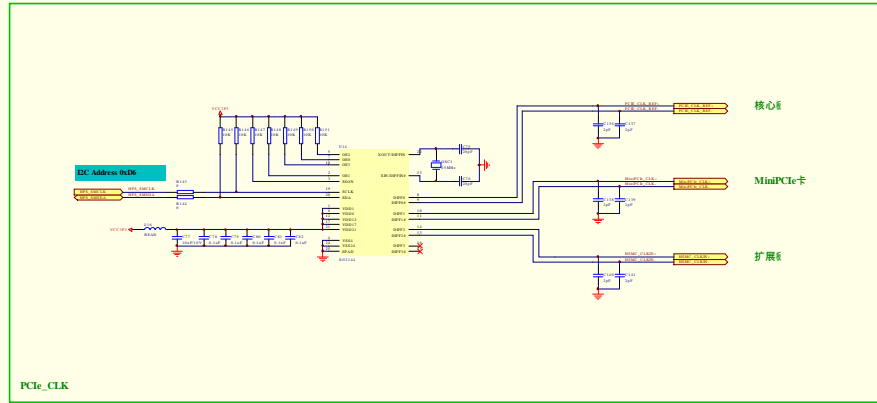
USER KEY



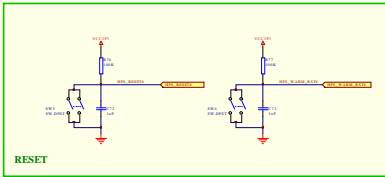
USER SW



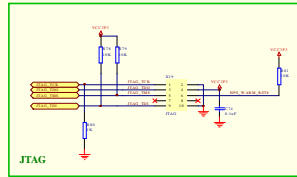
USER LED



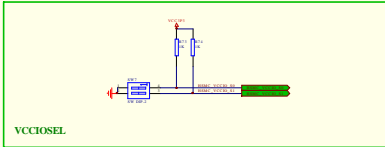
PCIe_CLK



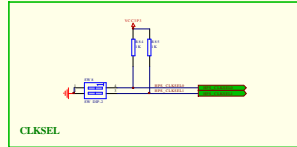
RESET



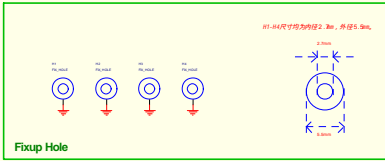
JTAG



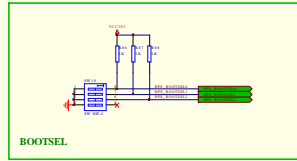
VCCIOSEL



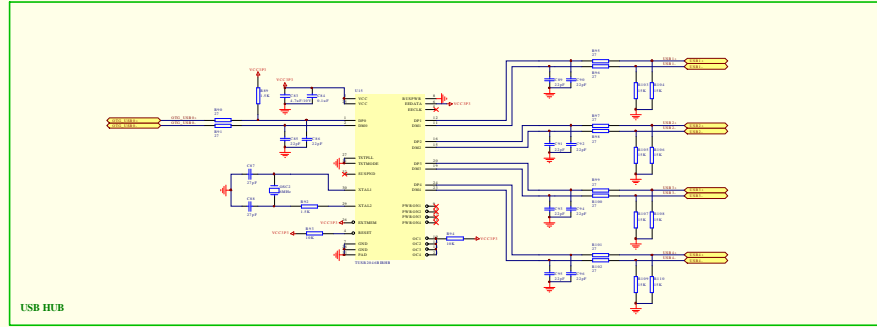
CLKSEL



Fixup Hole



BOOTSEL



USB HUB

