Raspberry Pi Compute Module Gateway

RS-485
RS-485.SchDoc

DC_SCL   I2C
DC_SDA   I2C.SchDoc

FTDI_USB_BUS
FTDI_USB_IN

POWER SUPPLY
POWER SUPPLY.SchDoc   CEL_PWR_EN
SYS_PWR_PG

RPI_GPIO16

RPI_USB_BUS
EXTRST
RPI_GPIO7
RPI_GPIO8

RPI
RPI.SchDoc

RPI_TXD3
RPI_RXD3

USER_PB

RPI_GPIO13

RPI_SYS_WAR_LED
RPI_SYS_ERR_LED
PWR_LED
RPI_SYS_NET_LED

RUN_PG

CPU_superviser
CPU_superviser.SchDoc

SYS_PWR_PG
CPUSUP_RX
SPUSUP_TX

SYS_WAR_LED
SYS_ERR_LED

SYS_PWR_LED
SYS_NET_LED

R5
330R

RPI_RESET

CPUSUP_ALV_IN

SD_SEL

SEL_SD

SD-CARD
SD-CARD.SchDoc

SYS_SD_CARD_BUS
DATA_SD_CARD_BUS
SD_PWR_ON

USB_HUB_IN
USB_HUB_RESET

USB_HUB
USB HUB.SchDoc

USB_HUB_1
USB_HUB_PWR_1

USB_HUB_2
USB_HUB_PWR_2

CELL_PWR   CEL_USB_EN
CELL_RESET CELL_USB_BUS

CELLULAR
CELLULAR.SchDoc

ETHERNET_USB_BUS
ETHERNET_VBUS_DET

SPD_LED_K_LAN_0
LNKA_LED_K

LAN0
LAN0.SchDoc

ETH_TR_RXP
ETH_TR_CT
ETH_TR_RXN
ETH_TR_TXP
ETH_TR_TXN

SPD_LED_K_LAN_0
LNKA_LED_K_LAN_0

LAN0_RX_P
ETH_TR_CT_LAN_0
LAN0_RX_N
LAN0_TX_P
LAN0_TX_N

ETHERNET_USB_BUS
ETHERNET_VBUS_DET

SPD_LED_K
LNKA_LED_K

LAN1
LAN1.SchDoc

ETH_TR_RXP
ETH_TR_CT
ETH_TR_RXN
ETH_TR_TXP
ETH_TR_TXN

SPD_LED_K_LAN_1
LNKA_LED_K_LAN_1

LAN1_RX_P
ETH_TR_CT_LAN_1
LAN1_RX_N
LAN1_TX_P
LAN1_TX_N

ETHERNET

ETH_LEDY   ETH_LEDY
ETH_LEDG   ETH_LEDG
ETH_P0_P   ETH_P0_P
ETH_P0_N   ETH_P0_N

ETH_P1_P   ETH_P1_P
ETH_P1_N   ETH_P1_N

ETH_P2_P   ETH_P2_P
ETH_P2_N   ETH_P2_N

ETH_P3_P   ETH_P3_P
ETH_P3_N   ETH_P3_N

U1
TPD4EUSB30DQAR

LAN0_TX_P   D2+
LAN0_TX_N   D2-
D1+ LAN0_RX_P
D1- LAN0_RX_N

U?
TPD4EUSB30DQAR

U?
TPD4EUSB30DQAR
ETH_P1_P D2+
ETH_P1_N D2-
D1+ ETH_P0_P
D1- ETH_P0_N

U?
TPD4EUSB30DQAR
ETH_P5_P D2+
ETH_P5_N D2-
D1+ ETH_P2_P
D1- ETH_P2_N

J1
7499021125

J2
749911121A

3v3

B?
<BOM_ITEM>
TBP02P1-381-03BE

R?
330R
R?
330R
R?
330R
R?
330R

D3   SYS_WAR_LED
D4   SYS_ERR_LED
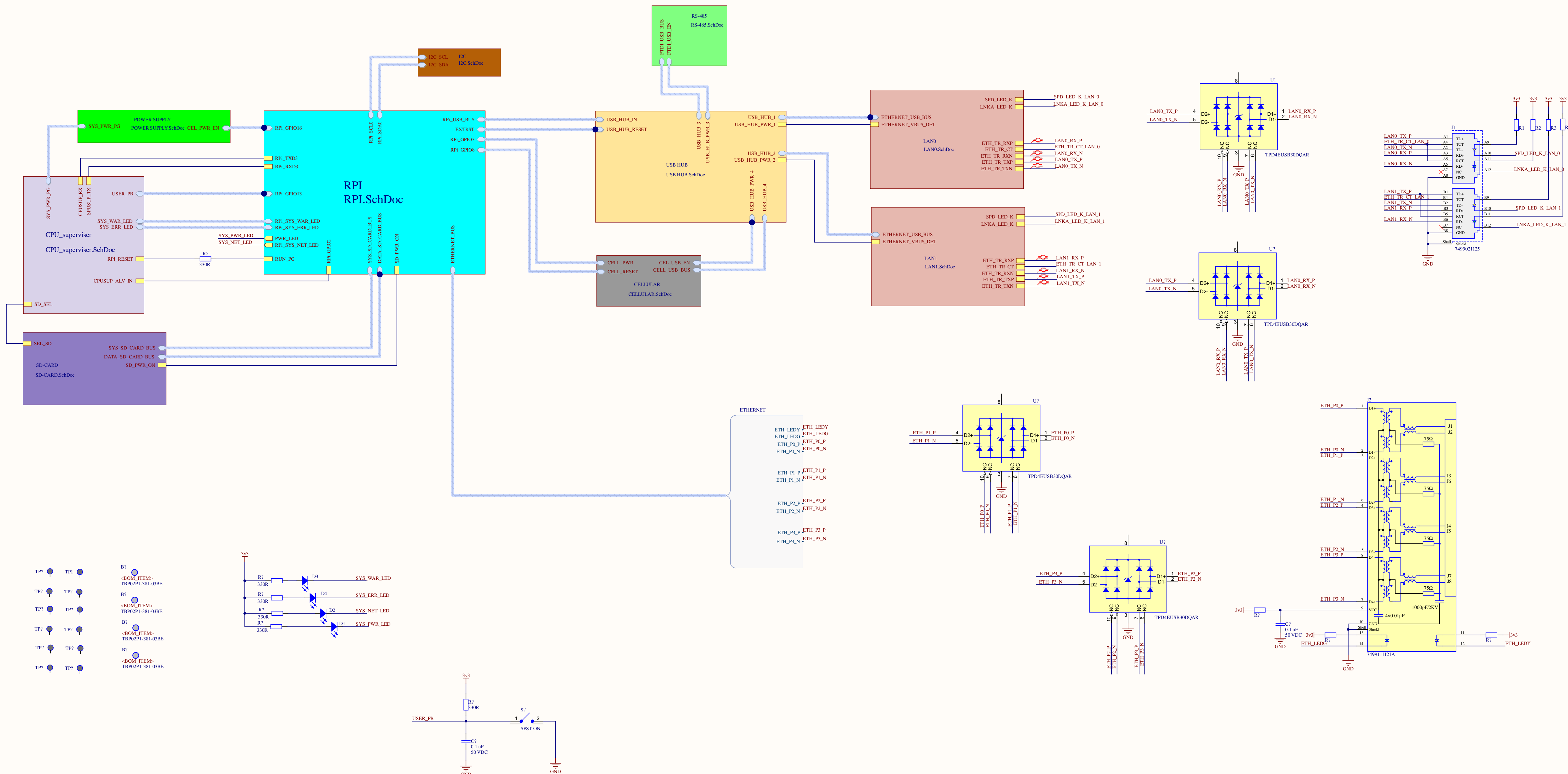D2   SYS_NET_LED
D1   SYS_PWR_LED

USER_PB
R?
330R

C?
0.1 uF
50 VDC

S?
SPST-ON

GND

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Size D
FCSM No.
DWG No.
Rev R0
Scale
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