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24.AX88772B-USB2.0-Ethernet

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PCB POWER WIRE WIDTH INDICATE

above 80 miles above 50 miles above 30 miles

above 16 miles

Under need

SYSTEM CONNECTION S.R.L

Title: Index

File: SCHEMATIC BOARD PX3-SE REV 1. 2 REV: V1.2

Create Date:

Modify Date: Thursday, January 03, 2019 Page Tota

Version	Date	Author	Change Note	Note
V1.0	20171120	Awing	First Edit	
V1.1	20181205	Awing	Second Edit	
V1.2	20181214	Awing	Third Edit	
	1			

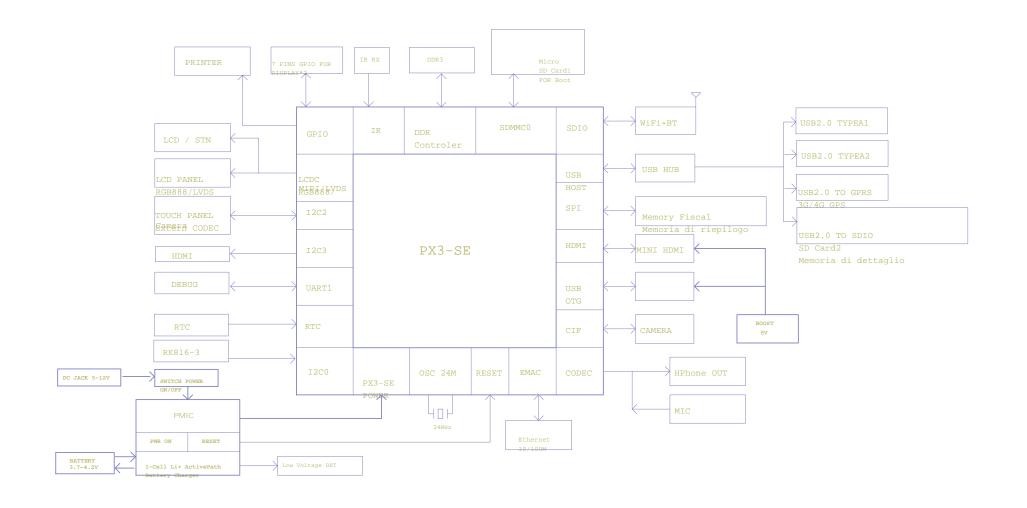
SYSTEM CONNECTION S.R.L

Title: Change List

File: SCHEMATIC BOARD PX3-SE REV 1. 2

Create Date: Page Num:

Modify Date: Thursday, January 03, 2019 Page Total:



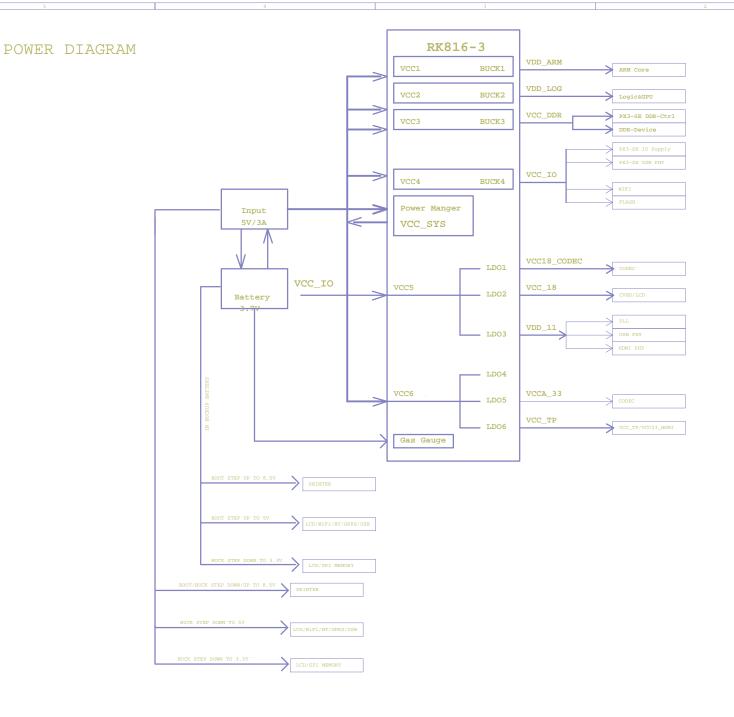
SYSTEM CONNECTION S.R.L

Title: Block Diagram

File: SCHEMATIC BOARD PX3-SB REV 1, 2 | REV. V.1.2

Cream Diag: Page Name

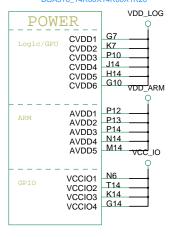
Medify Date: Threshy, January 01, 2009 | Page Total



PMU	TIMER	default	default	PX3-SE
Chambel	(2mkh):2	ONØ O FF	‡o1¥age	VDD_ARM
	solt:1		1.1V	
DCDC4	solt:1		3.3V	VCC IO/VCCIO WL/VCC SI
DCDC3	solt:3	ON	DDR3 1.5V DDR3L 1.35V LPDDR 1.245V	VCC_DDR
	X			VCC18_CODEC
VLD02	solt:1	ON	1.8V	VCC_18
VLD03	solt:1	ON	1.1V	VDD_11
VLD04	X	OFF	3.3V	VCC_CVBS_33
VLD05	solt:4	ON	3.3V	VCCA_33
VLD06	solt:4	ON	3.3V	VCC_TP
	58mS		OD	

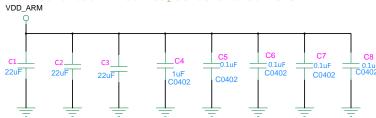
SYSTEM CO	NNECTION S.R.L
Title: Power Tree-RK816-3	
File: SCHEMATIC BOARD PX3-SE R	EV 1.2 REV: V1.2
Create Date:	Page Num:
Modify Date: Thursday, January 03, 2019	Page Total:

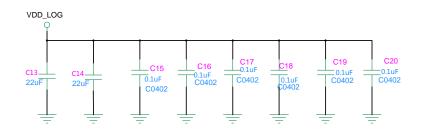
U1-K PX3-SE BGA316_14R00X14R00X1R20



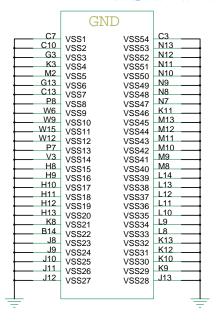
Note:

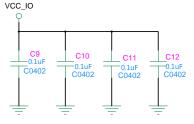
Place these filter capacitors under CPU.





U1-L PX3-SE BGA316_14R00X14R00X1R20



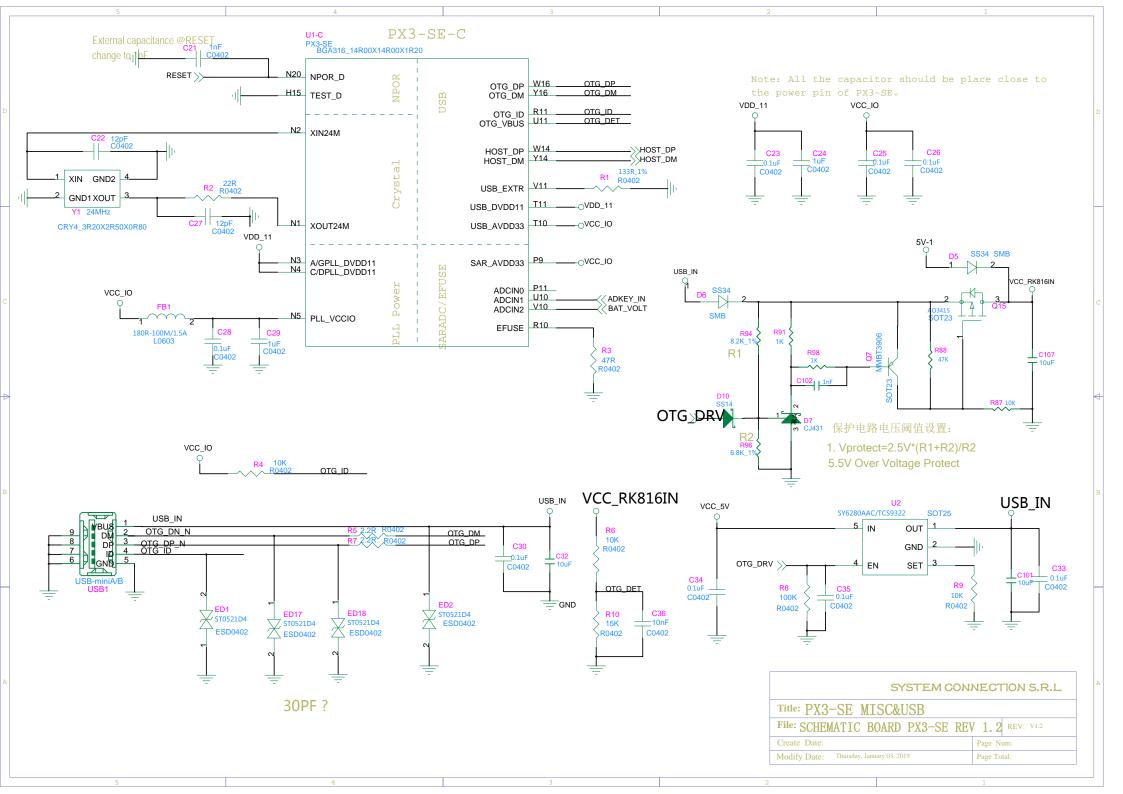


SYSTEM CONNECTION S.R.L

Title: PX3-SE Power

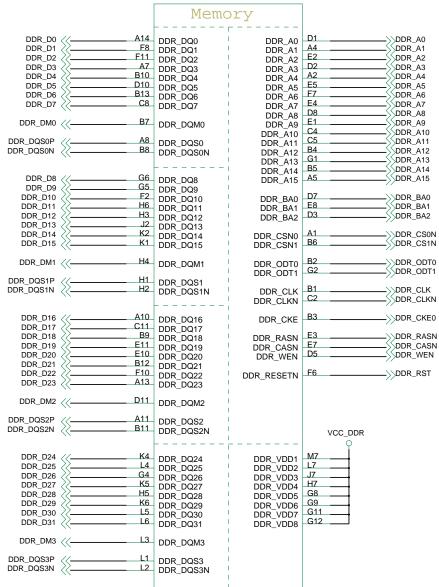
File: SCHEMATIC BOARD PX3-SE REV 1. 2 REV: V1.2

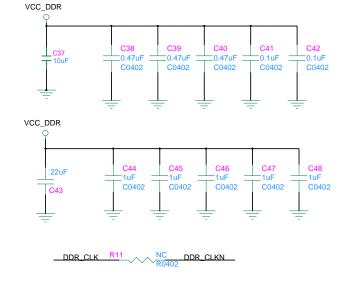
Page Num: Page Total:



PX3-SE-J

U1-J PX3-SE BGA316_14R00X14R00X1R20





SYSTEM CONNECTION S.R.L

Title: PX3-SE DDR Controler
File: SCHEMATIC BOARD PX3-SE REV 1.2 REV: V1.2

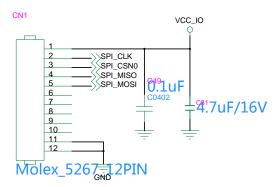
Create Date:

Modify Date: Thursday, January 03, 2019

Page Num: Page Total:

U1-E PX3-SE-E PX3-SE BGA316 14R00X14R00X1R20 Nand Flash/eMMC/SFC/SPI GPIO1_D0/FLASH_D0/EMMC_D0/SFC_SIO0 U P16 SPIO1_D0_CLK GPIO1_D1/FLASH_D1/EMMC_D1/SFC_SIO1_U U20 GPIO1 D1 DI GPIO1_D2_LAT GPIO1_D3_DO GPIO1_D5/FLASH_D5/EMMC_D5/SPI_TXD_U R19_ SPI MISO SPI MOSI GPIO1_D6/FLASH_D6/EMMC_D6/SPI_CSN0_U N15 SPI_CSN0 GPIO1_D7/FLASH_D7/EMMC_D7/SPI_CSN1_U P17 SPI_CSN1 SPI CLK GPIO2_A0/FLASH_ALE/SPI_CLK_D N16_ GPIO2_A2/FLASH_WRN/SFC_CSN0_U GPIO2_A1_DB4 GPIO2_A2_DB5 GPIO2_A3/FLASH_RDN/SFC_CSN1_U L15 GPIO2 A3 DB6 GPIO2_A4/FLASH_RDY/EMMC_CMD/SFC_CLK_U K17 GPIO2_A4_DB7 GPIO2_A6/FLASH_CS0_U L17 GPIO0_C7/FLASH_CS1_U L17 GPIO2_A6_RS GPIO0 C7 RW GPIO1_C6/FLASH_CS2/EMMC_CMD_U U19 GPIO1_C6_E GPIO1_C7/FLASH_CS3/EMMC_RST_U P19 CP2056 B GPIO2_A5/FLASH_WP/EMMC_PWR_D V19 -—>>> GPIO2_A5_PHE GPIO2_A7/FLASH_DQS/EMMC_CLKO_U N19 -—>>> GPIO2_A7_CORRENTE

GPIO FOR SPI:memory fiscal



PX3-SE-D

U1-D PX3-SE

BGA316 14R00X14R00X1R20

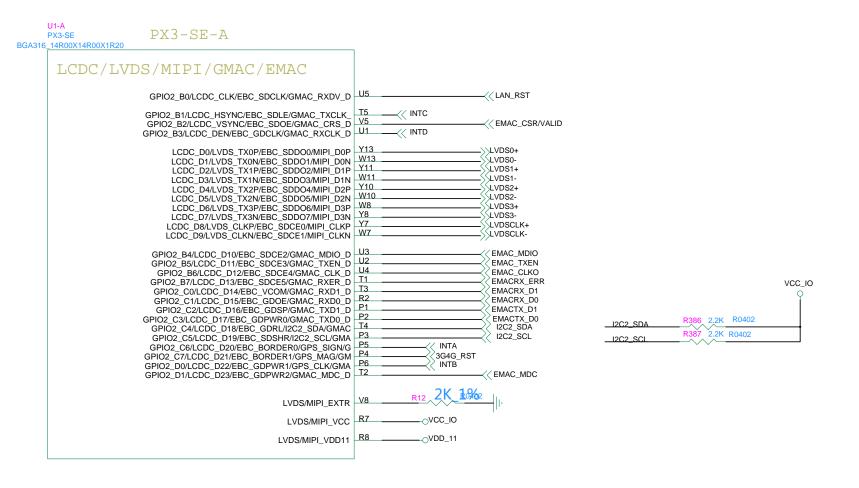
SDMMC0

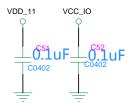
GPIO1_C2/SDMMC0_D0/UART2_TX_U L18 SDMMC D0 GPIO1_C3/SDMMC0_D1/UART2_RX_U K15 SDMMC D1 GPIO1_C5/SDMMC0_D3/JTAG_TCK_U GPIO1_C5/SDMMC0_D3/JTAG_TMS_U SDMMC_D2 SDMMC_D3 GPIO1_C0/SDMMC0_CLKO_D H20 SDMMC CLK GPIO1_B7/SDMMC0_CMD_U D18 SDMMC_CMD GPIO1_C1/SDMMC0_DET_U W19 SDMMC DET GPIO1_A7/SDMMC0_WP_D L19 ∠CD_RST GPIO1_B6/SDMMC0_PWR_D N18 _>>>TP_RST

SYSTEM CONNECTION S.R.L

Title: PX3-SE Flash/SD Controler File: SCHEMATIC BOARD PX3-SE REV 1. 2 REV: V1.2

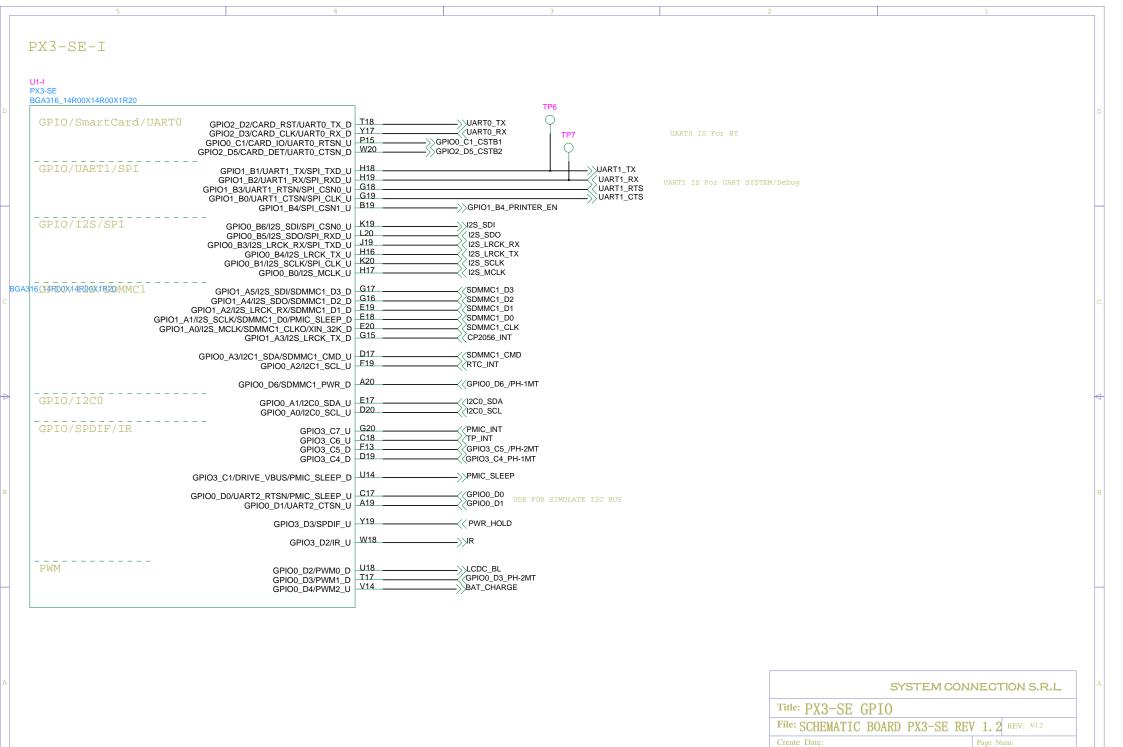
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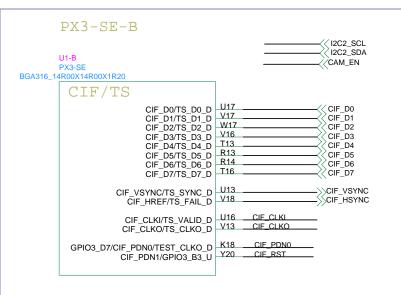


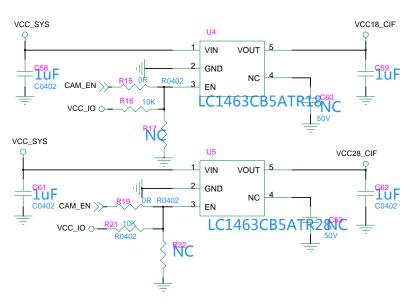
SYSTEM CONNECTION S.R.L Title: PX3—SE Display File: SCHEMATIC BOARD PX3—SE REV 1. 2 Create Date: Page Num: Modify Date: Thursday, January 03, 2019 Page Total:

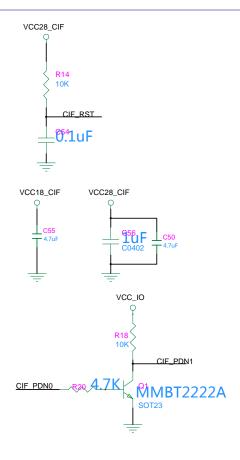
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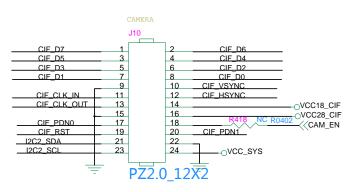


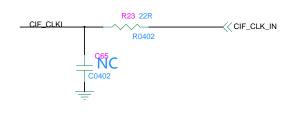
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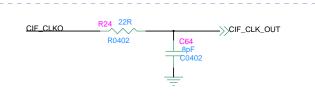






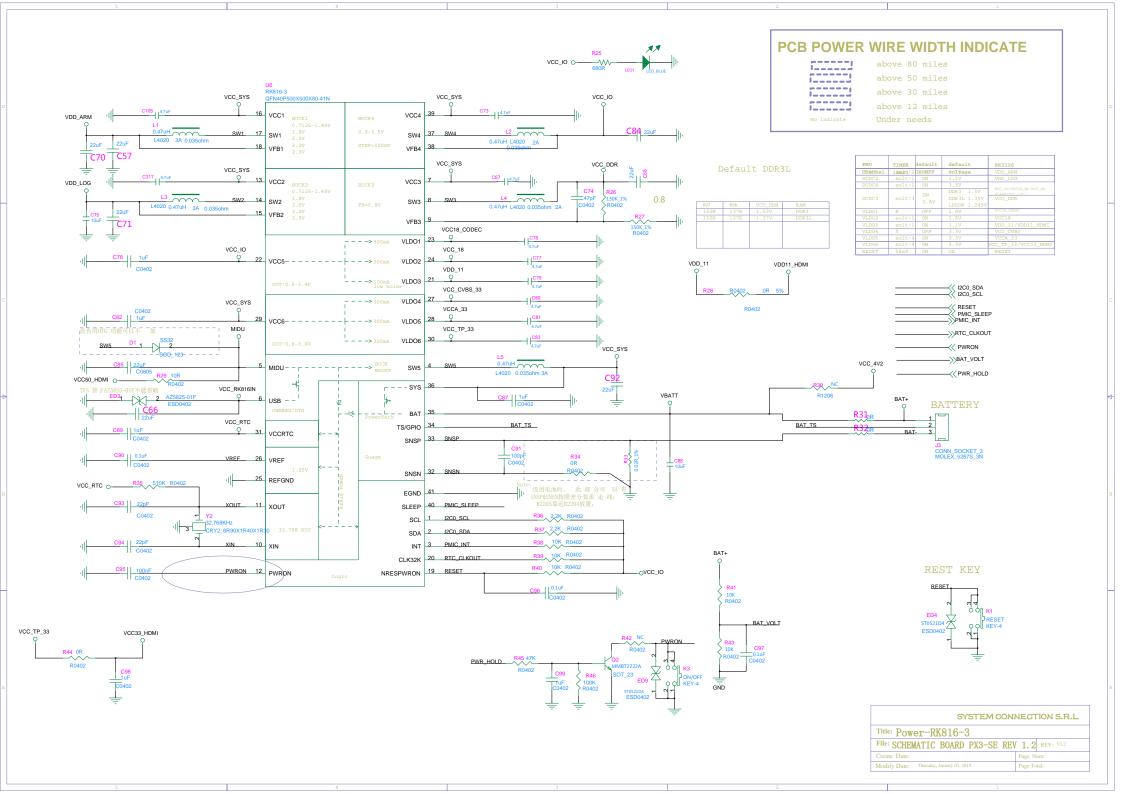


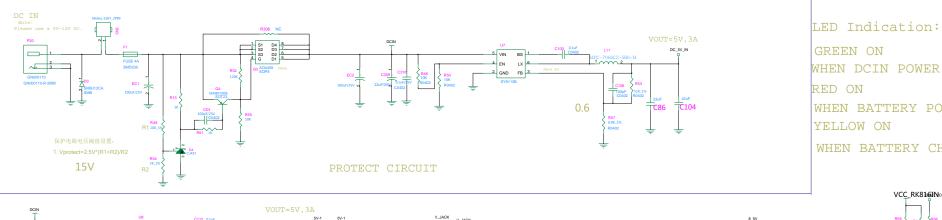
Note:四个器件,根据调试结果,可选择是否NC。

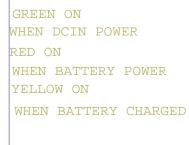


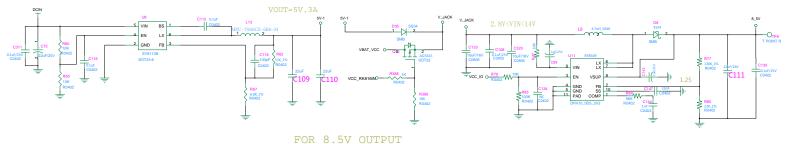
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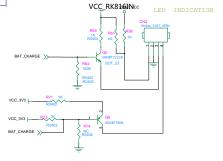
SYSTEM CONNECTION S.R.L			
Title: PX3-SE _CIF-Camera			
File: SCHEMATIC BOARD PX3-SE REV 1. 2 REV: V1.2			
Create Date:	Page Num:		
Modify Date: Thursday, January 03, 2019	Page Total:		

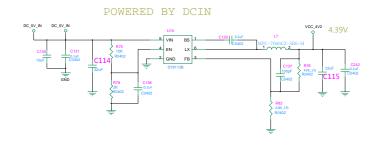


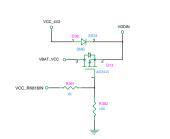


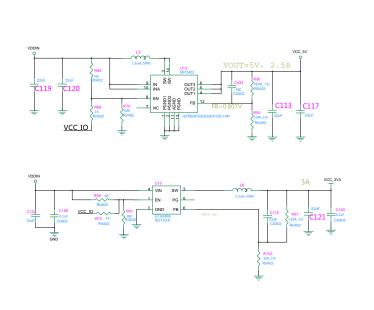


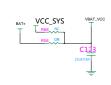








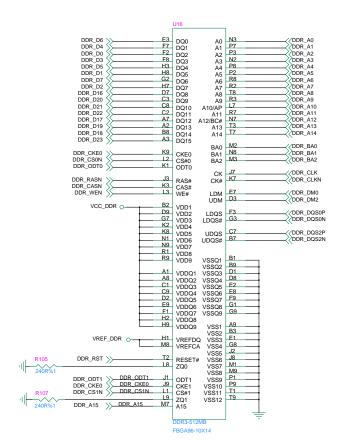


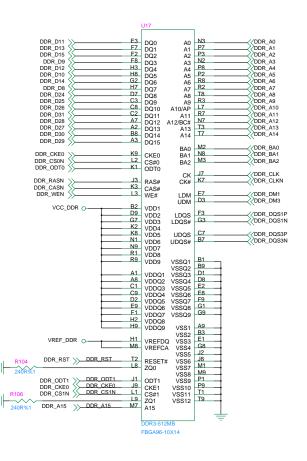




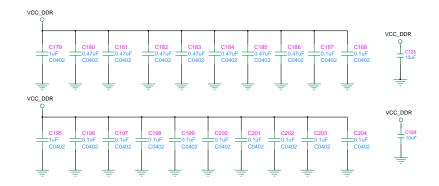
SYSTEM CONNECTION S.R.L		
Title: POWER_IN		
File: SCHEMATIC BOARD PX3-SE	REV 1.2 REV: VI.2	
Create Date:	Page Num:	
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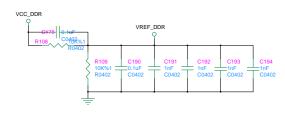




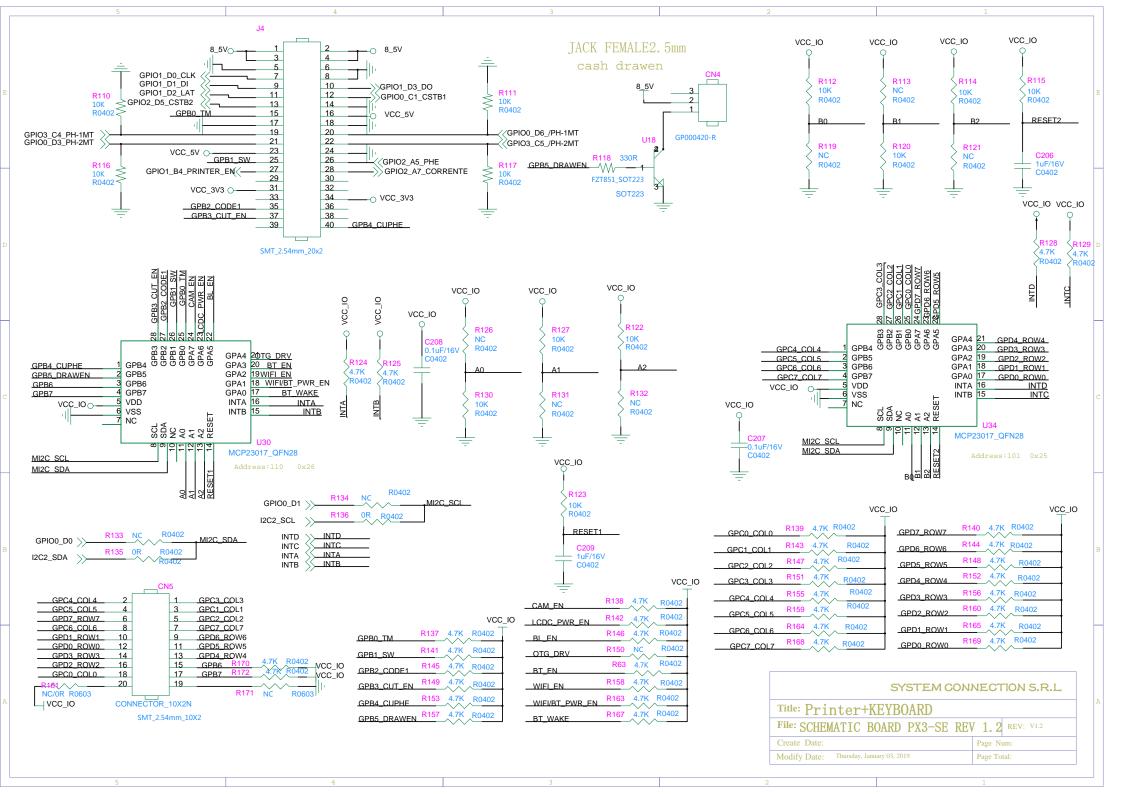


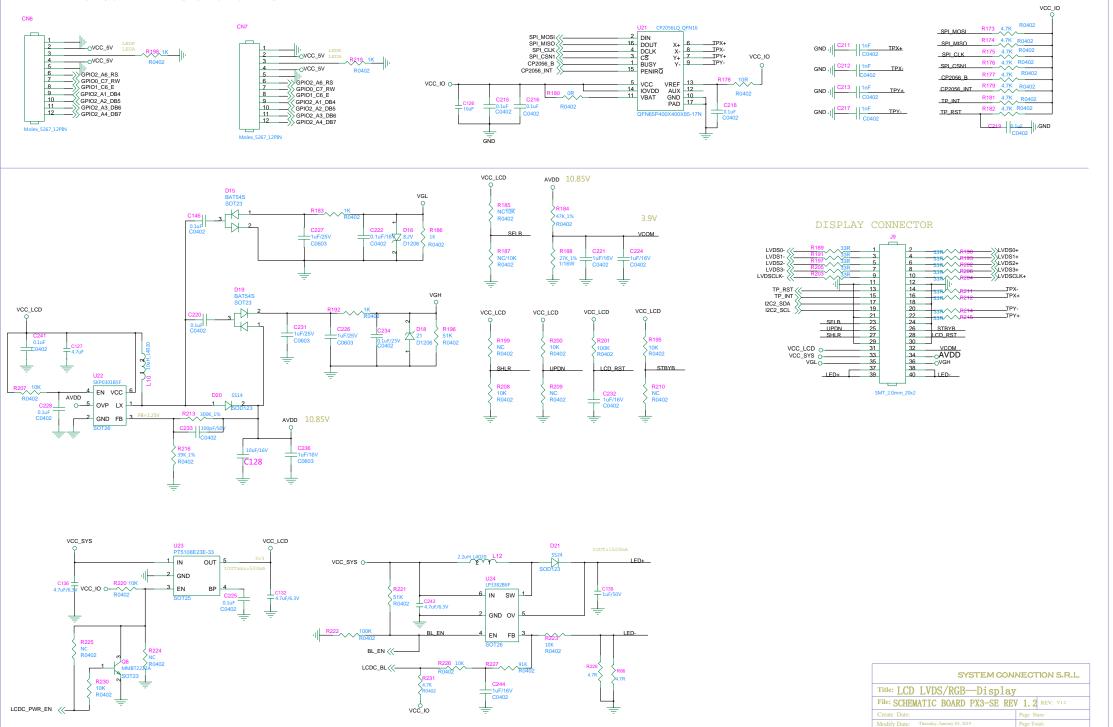
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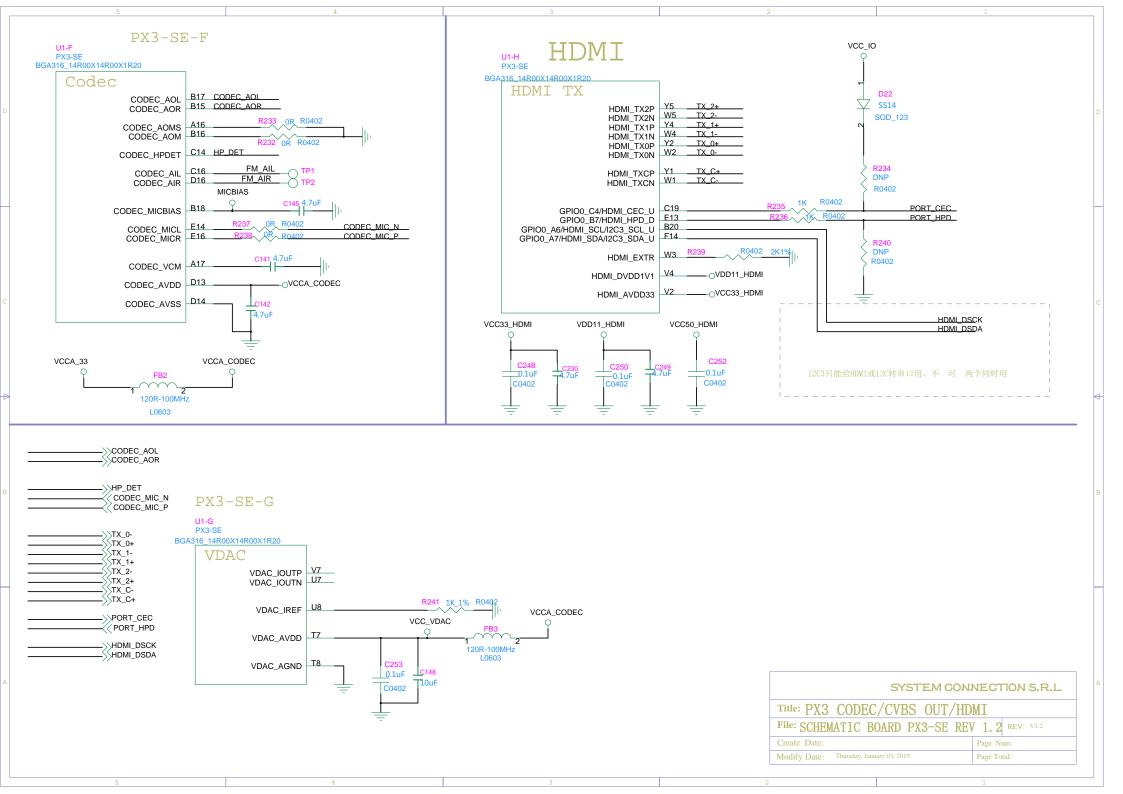


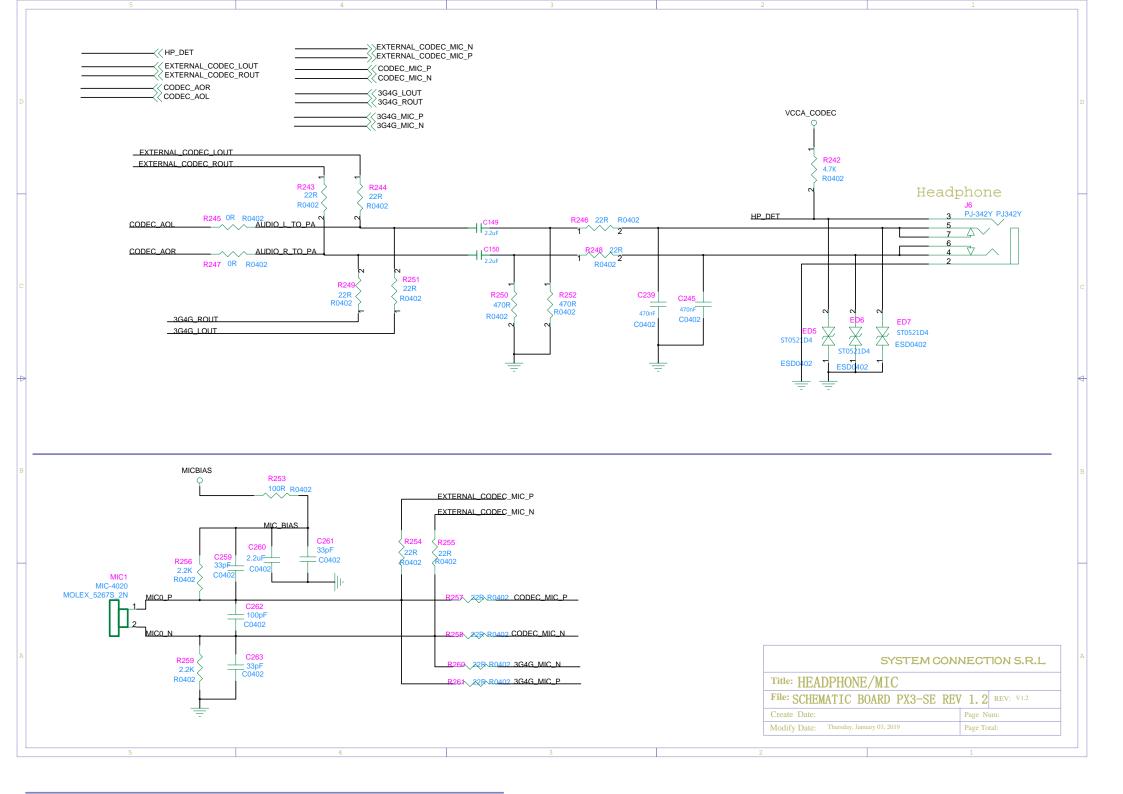


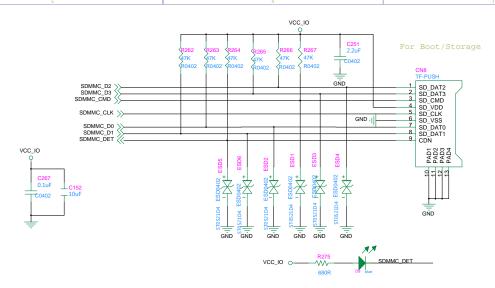
SYSTEM CONNECTION S.R.L			
Title: RAM-DDR3 2x16bit			
File: SCHEMATIC BOARD PX3-SE REV	V 1.2 REV: V1.2		
Create Date:	Page Num:		
Modify Date: Thursday, January 03, 2019	Page Total:		



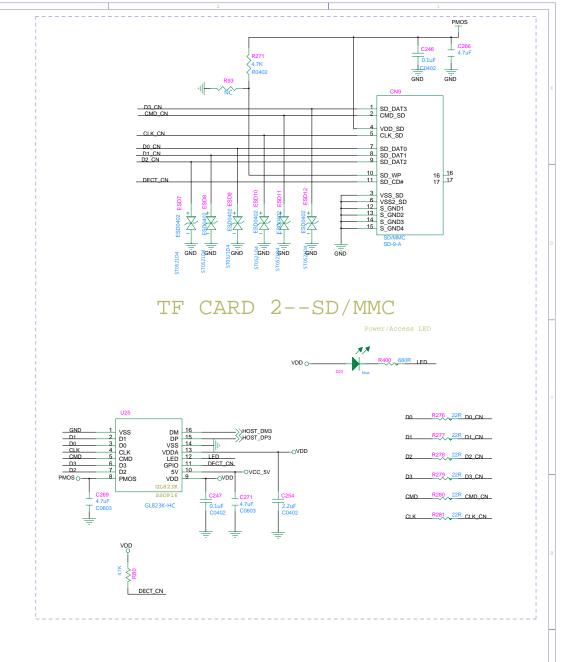




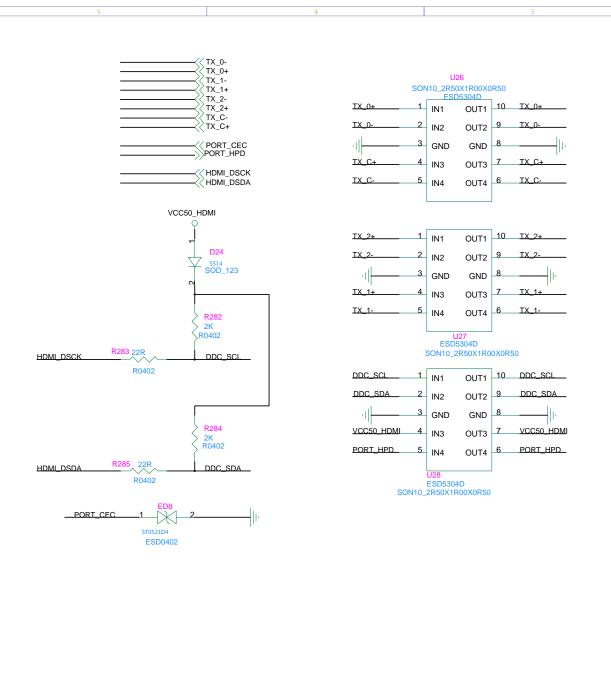




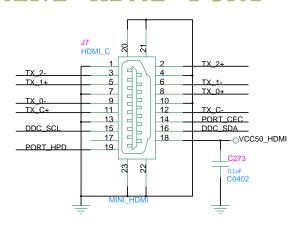
TF CARD 1--Micro SD

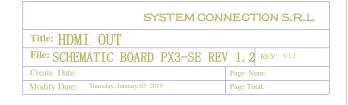


SYSTEM CO	NNECTION S.R.
Title: TF card x 2	
File: SCHEMATIC BOARD PX3-SE R	EV 1.2 REV: V1.2
Create Date:	Page Num:
Modify Date: Thursday, January 03, 2019	Page Total:

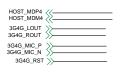


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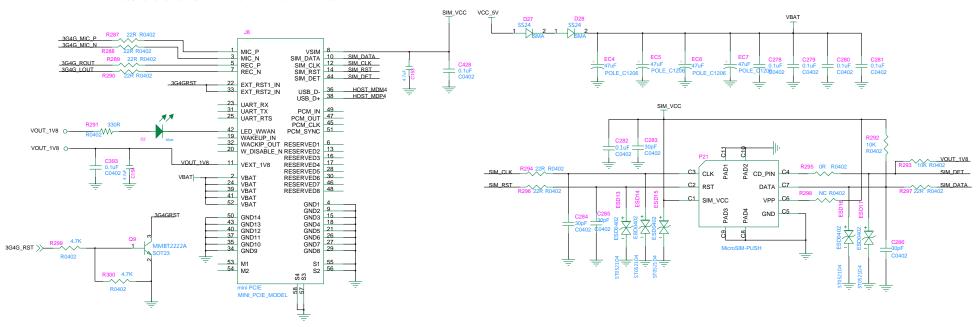




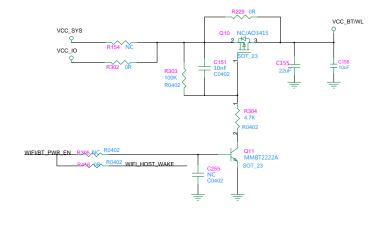
3G/4G/GPS/GPRS MODEL

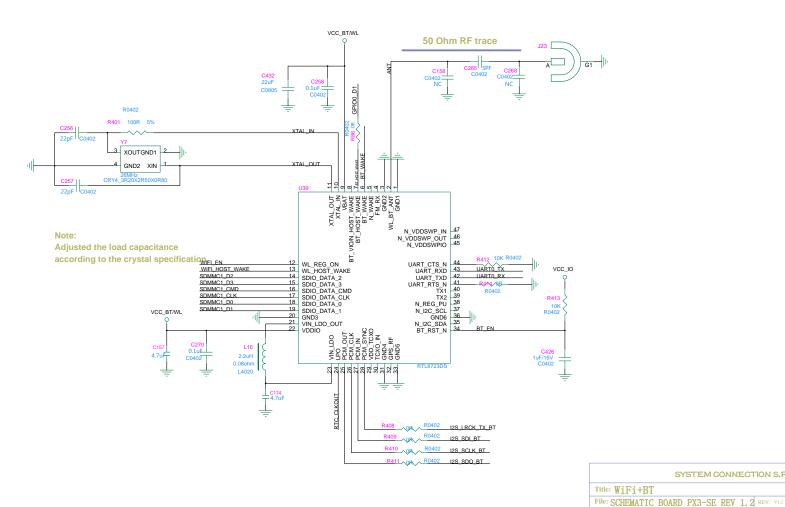


3G/4G-GPS-GPRS BM817C Mini PCI-e - Model

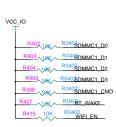


SYSTEM CON	NECT	TION S.R.L
Title: 3G/4G+GPRS+GPS		
File: SCHEMATIC BOARD PX3-SE REV	1.2	REV: V1.2
Create Date:	Page N	um:
Modify Date: Thursday, January 03, 2019	Page To	tal:





SYSTEM CONNECTION S.R.L



SDMMC1_D0 SDMMC1_D1 SDMMC1_D2

SDMMC1_CMD

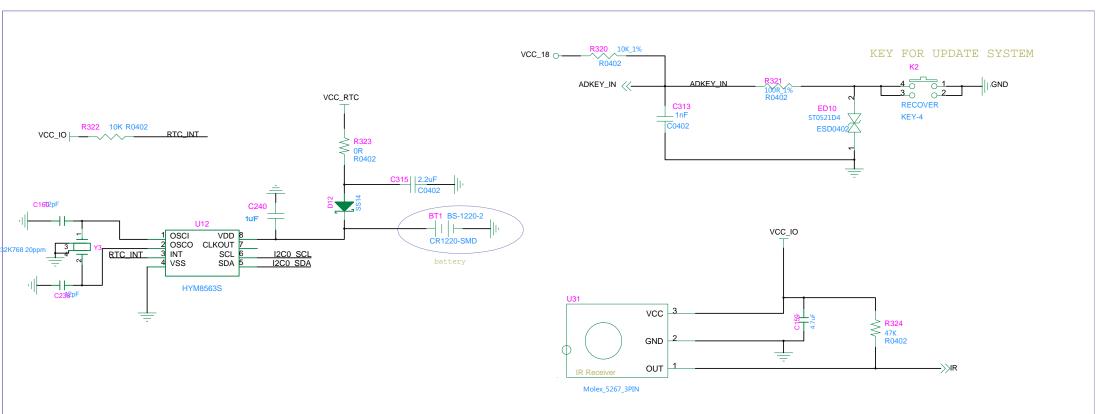
SDMMC1_D0 SDMMC1_D2 SDMMC1_D3

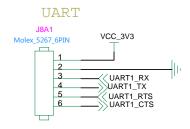
SDMMC1_CMD SDMMC1_CLK

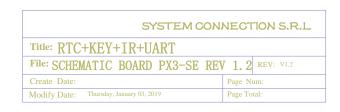
I2S_SCLK_BT I2S_LRCK_TX_BT SDI_BT

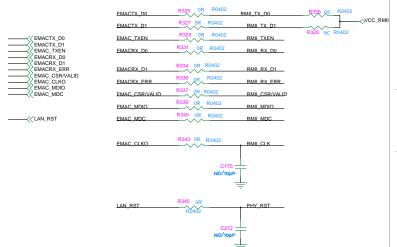
12S_SDO_BT

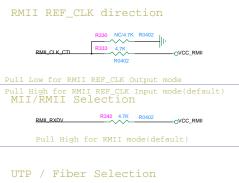
UARTO_RX UARTO_TX ____WIFI/BT_PWR_EN __(WIFI_EN BT_EN BT_WAKE __>>RTC_CLKOUT

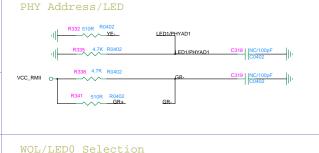




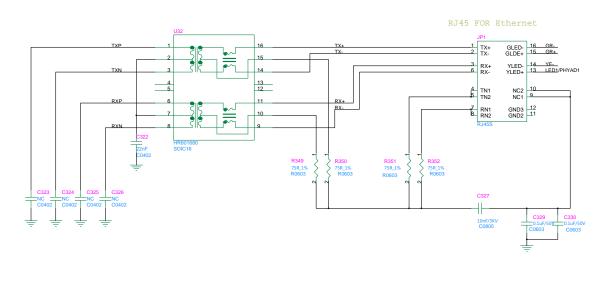


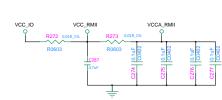












SYSTEM C	ONNECTION S.R.L
Title: Emac-Ethernet	
File: SCHEMATIC BOARD PX3-SE	REV 1. 2 REV: V1.2
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