

Renesas
 LG1
 MXT
 LG2

TP1
 5001

TP2
 5001

TP3
 5001

FD1

FD2

FD3

MH1
 3.3x6mm
 MH2
 3.3x6mm

MH3
 3.3x6mm
 MH4
 3.3x6mm



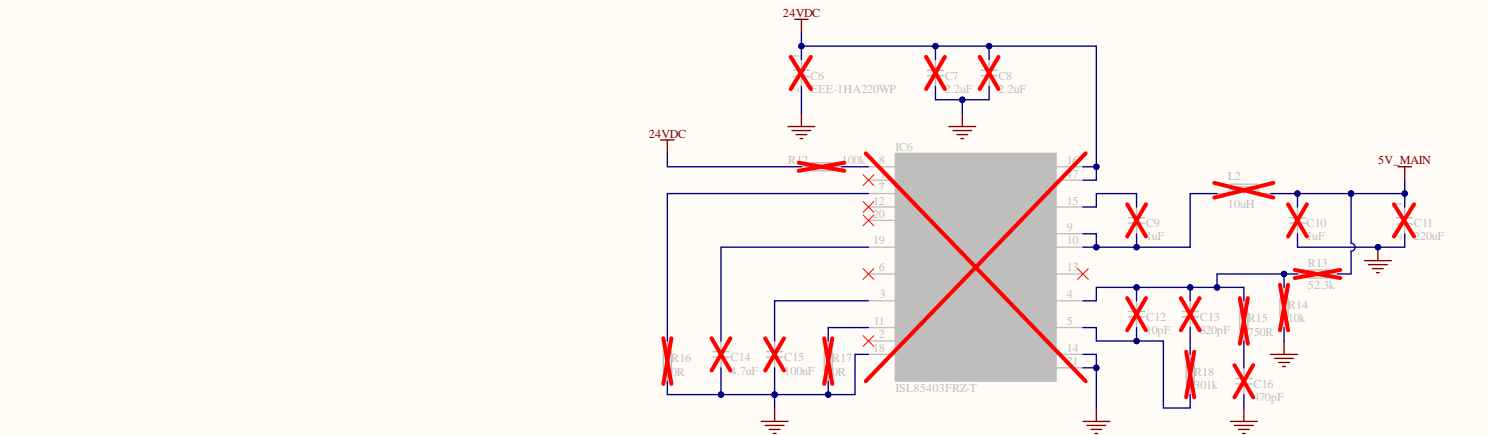
MXT Creation SRL

Title
 Power Supply - ORing

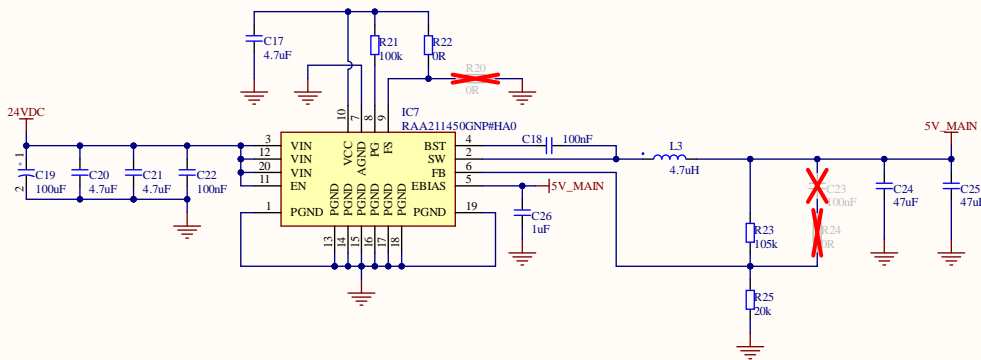
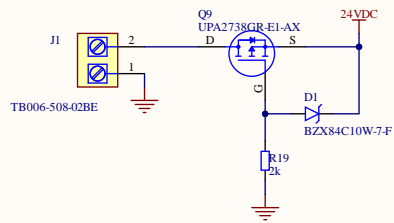
Date: 4/23/2024 Sheet 1 of 12 Revision V3I1

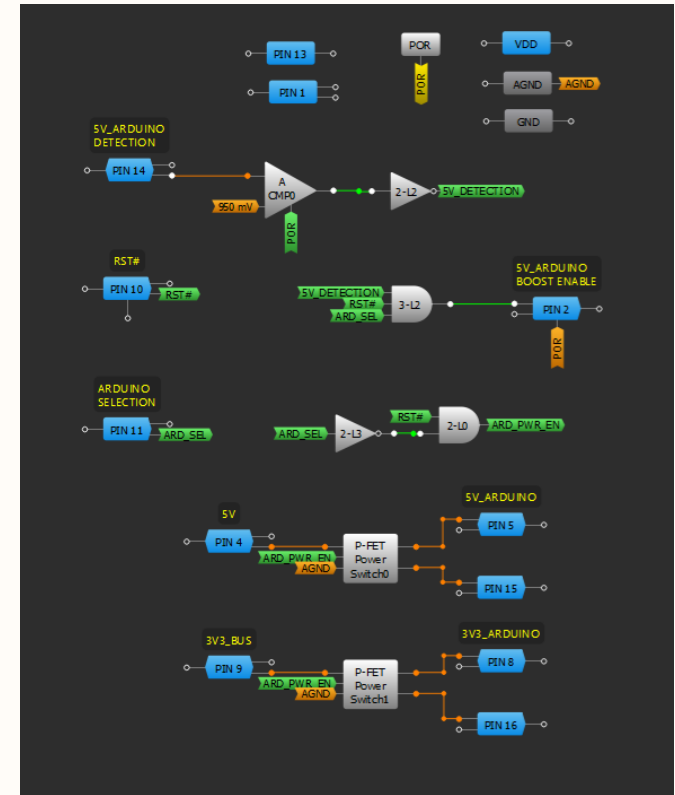
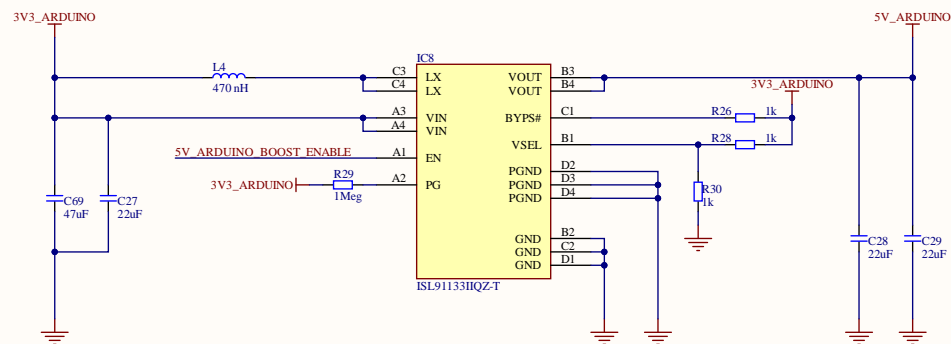
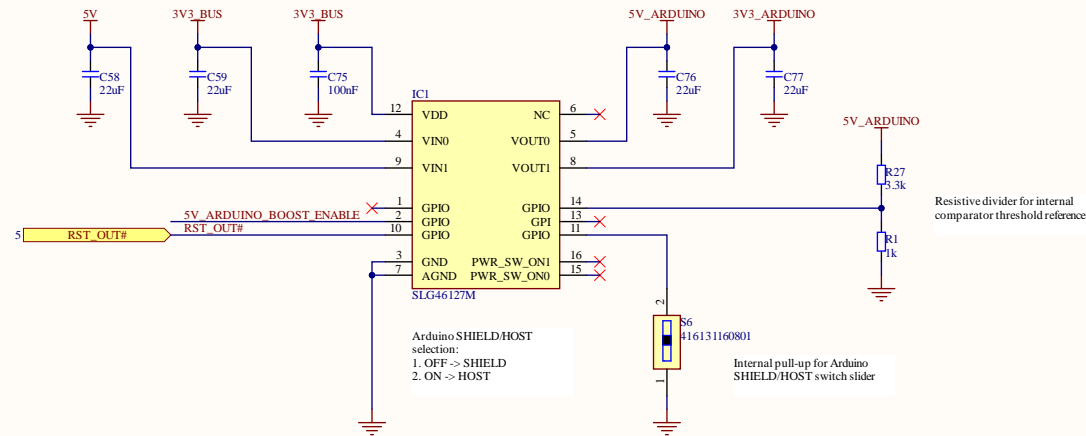
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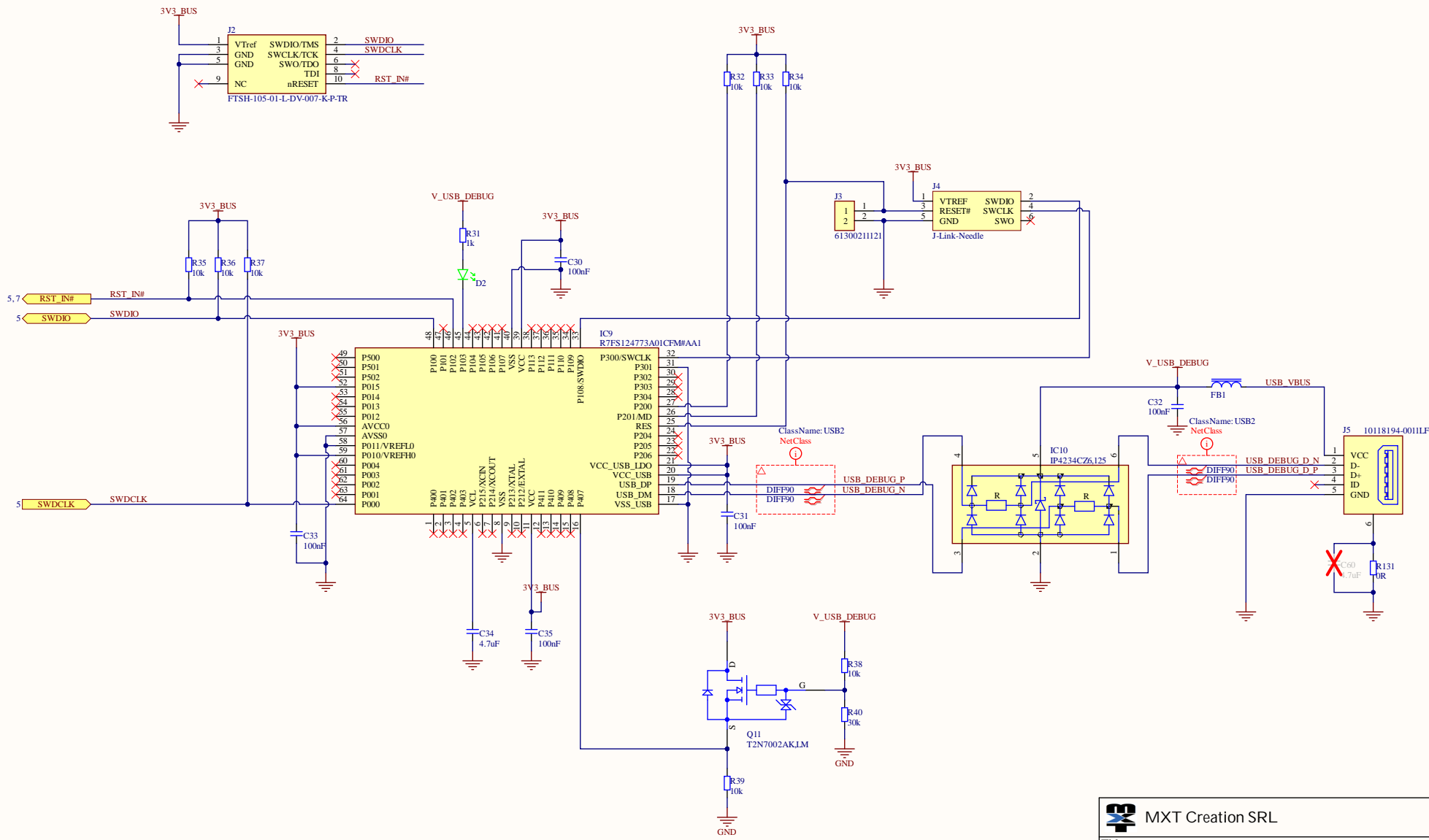
Drawn by:



Only one of the power supplies will be assembled: either ISL85403FRZ or RAA211450GNP







J16G General Interfaces			
RST_IN#		29	RST_IN#
RST_OUT#		30	RST_OUT#
PWR_EN_IN		31	PWR_EN
P20_1/MDV0/ESC_LINKACT0		33	P20_1/MDV0/ESC_LINKACT0
P20_4/MDV3/ESC_LINKACT1		34	P20_4/MDV3/ESC_LINKACT1
P20_3/ESC_LEDERR/ETHSW_TDMAOUT2		35	P20_3/ESC_LEDERR/ETHSW_TDMAOUT2
P20_2/ESC_LEDERR/ETHSW_TDMAOUT1		36	P20_2/ESC_LEDERR/ETHSW_TDMAOUT1
TXD3/SDA3/MOSI3		38	TXD3/SDA3/MOSI3
RXD3/SCL3/MISO3		39	RXD3/SCL3/MISO3
SS3#/CTS3#/RTS3#		40	SS3#/CTS3#/RTS3#
P17_6/GTIOC1A/MTIOC3B		41	P17_6/GTIOC1A/MTIOC3B
P16_1/SPI_MISO3		50	P16_1/SPI_MISO3
P18_2/GTIOC2B		51	P18_2/GTIOC2B
CTS3#		52	CTS3#
TXD0/SDA0/MOSI0		53	TXD0/SDA0/MOSI0
RXD0/SCL0/MISO0		54	RXD0/SCL0/MISO0
SCK0		55	SCK0
SS0#/CTS0#/RTS0#		56	SS0#/CTS0#/RTS0#
P15_4		57	SS0#/CTS0#/RTS0#
P18_3/IRQ0		58	P18_3/IRQ0
I2C_GP_SDA		72	I2C_GP_SDA
I2C_GP_SCL		73	I2C_GP_SCL
SWDIO		74	SWDIO
SWDCLK		75	SWDCLK
ESC_LATCH0		76	ESC_LATCH0
ESC_LATCH1		77	ESC_LATCH1
ESC_IRQ		78	ESC_IRQ
P02_1/ESC_SYNC0/ETHSW_PTPOUT1		80	P02_1/ESC_SYNC0/ETHSW_PTPOUT1
P01_7/SPI_RSPCK3/CANRX0		81	P01_7/SPI_RSPCK3/CANRX0
P02_2/SPI_MOSI3/CANTX0		82	P02_2/SPI_MOSI3/CANTX0
P00_4/GTIOC0_A		83	P00_4/GTIOC0_A
P15_3/MTIOC8C		84	P15_3/MTIOC8C
P13_6/ESC_SYNC1/ETHSW_PTPOUT0		85	P13_6/ESC_SYNC1/ETHSW_PTPOUT0
P00_2		94	P00_2
P13_5		95	P13_5
P14_0		96	P14_0
P15_5		97	P15_5

RZ_N2L_STAMP_V2

J16A Ethernet			
GBE0_MD3_N		14	GBE0_MD3_N
GBE0_MD3_P		15	GBE0_MD3_P
GBE0_MD2_N		17	GBE0_MD2_N
GBE0_MD2_P		18	GBE0_MD2_P
GBE0_MD1_N		20	GBE0_MD1_N
GBE0_MD1_P		21	GBE0_MD1_P
GBE0_MD0_N		23	GBE0_MD0_N
GBE0_MD0_P		24	GBE0_MD0_P
GBE0_LINK_1000#		26	GBE0_LINK_1000#
GBE0_LINK_ACT#		27	GBE0_LINK_ACT#
GBE1_MD3_N		2	GBE1_MD3_N
GBE1_MD3_P		3	GBE1_MD3_P
GBE1_MD2_N		5	GBE1_MD2_N
GBE1_MD2_P		6	GBE1_MD2_P
GBE1_MD1_N		8	GBE1_MD1_N
GBE1_MD1_P		9	GBE1_MD1_P
GBE1_MD0_N		11	GBE1_MD0_N
GBE1_MD0_P		12	GBE1_MD0_P
GBE1_LINK_ACT#		119	GBE1_LINK_ACT#
GBE1_LINK_1000#		120	GBE1_LINK_1000#

RZ_N2L_STAMP_V2

J16H BOOT			
BOOT_MD0		93	BOOT_MD0
BOOT_MD1		91	BOOT_MD1
BOOT_MD2		92	BOOT_MD2

RZ_N2L_STAMP_V2

J16D Analog			
AN001		43	AN001
AN003		44	AN003
AN002		45	AN002
AN001		46	AN001
AN000		47	AN000
AN100		48	AN100

RZ_N2L_STAMP_V2

J16E USB			
USB_OVRCUR#		109	USB_OVRCUR#
USB_VBUSEN		110	USB_VBUSEN
USB_OTGID		111	USB_OTGID
USB_VBUSIN		112	USB_VBUSIN
USB_D_R_P		115	USB_DP
USB_DP		116	USB_DM

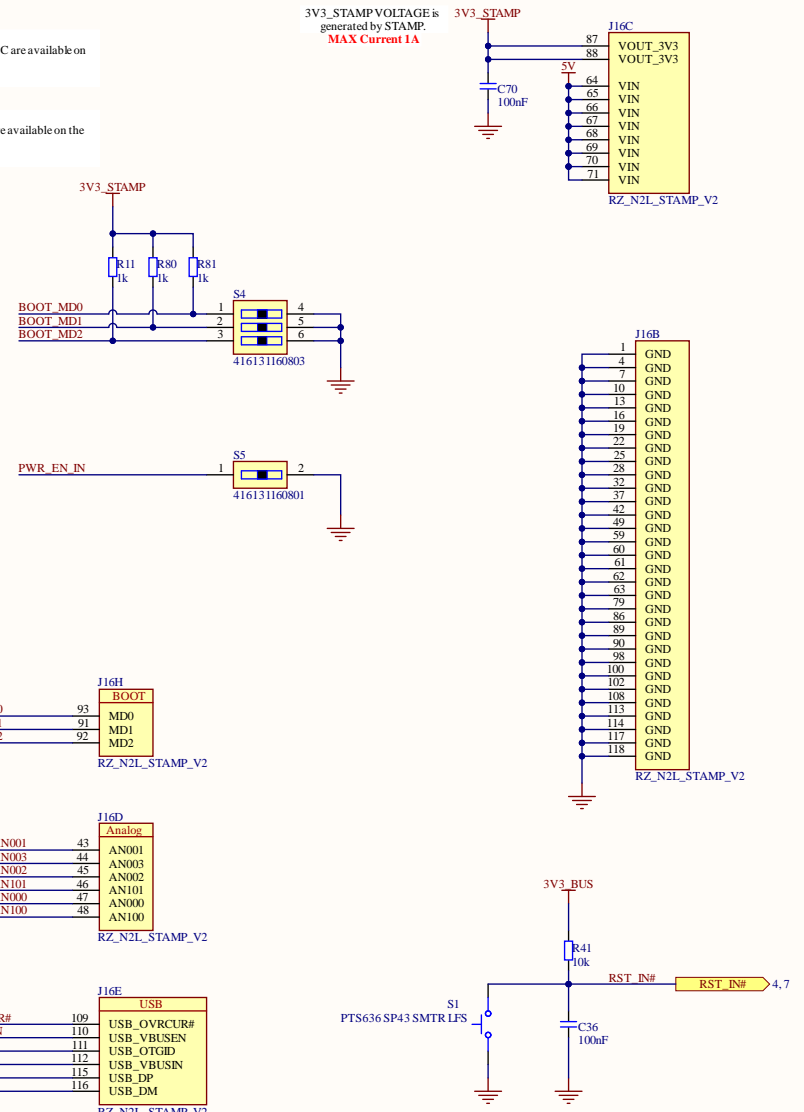
RZ_N2L_STAMP_V2


J16F SPI			
HSPL_INT#		99	HSPL_INT#
HSPL_CK		101	HSPL_CK
HSPL_IO3/SPI_SSL30		103	HSPL_IO3
HSPL_IO2		104	HSPL_IO2
HSPL_IO1		105	HSPL_IO1
HSPL_IO0		106	HSPL_IO0
HSPL_CS#		107	HSPL_CS#

RZ_N2L_STAMP_V2

The pull-up resistors for PMOD I2C are available on the "PMOD Interface" page.

The pull-up resistors for I2C GP are available on the "General IO" page.





MXT Creation SRL

Title

STAMP Interface

Date: 4/23/2024


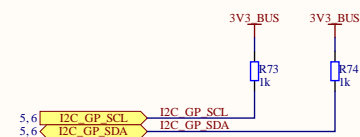
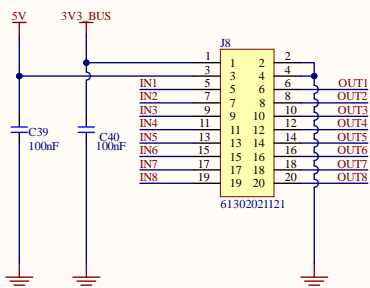
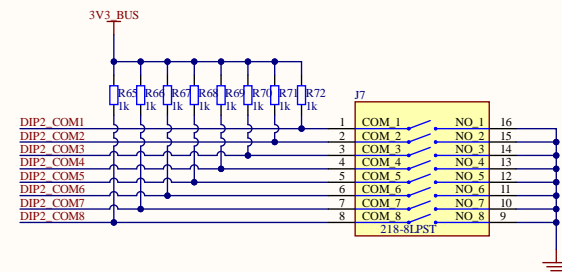
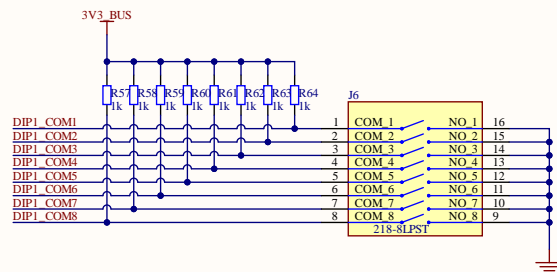
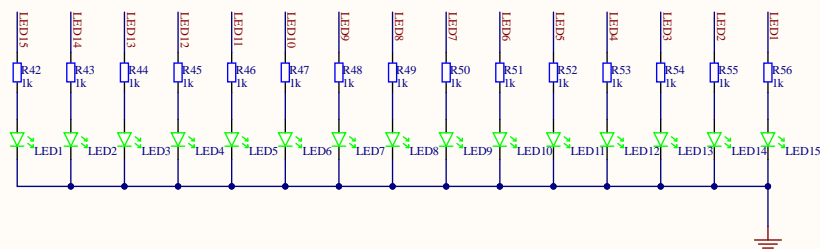
Sheet 5 of 12

Revision

V3I1

File: STAMPInterface.SchDoc

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 MXT Creation SRL

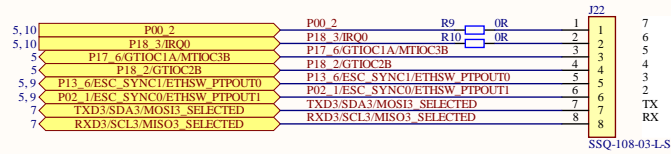
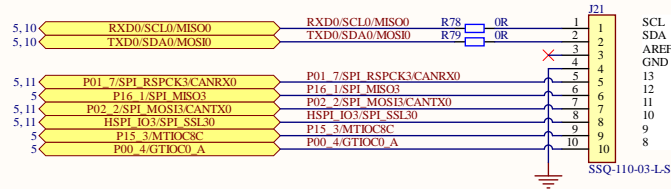
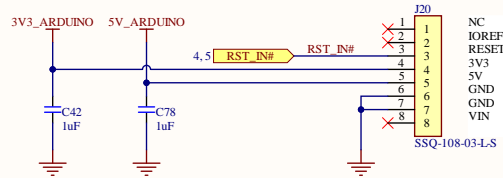
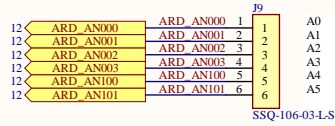
Title	General IO
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Date: 4/23/2024

Sheet 6 of 12

File: General IO.SchDoc

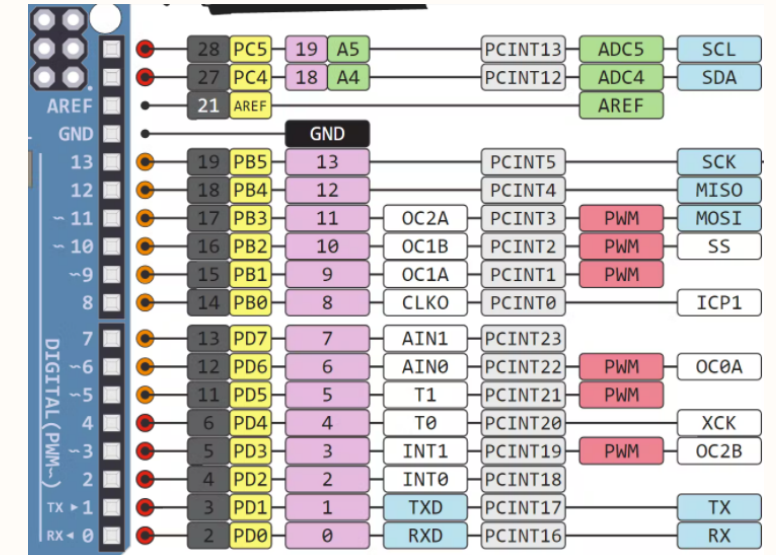
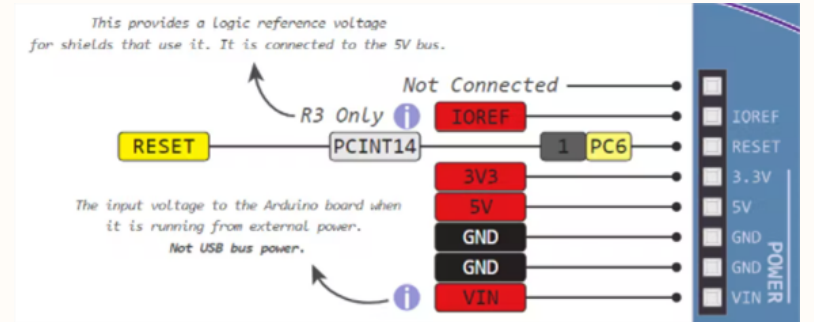
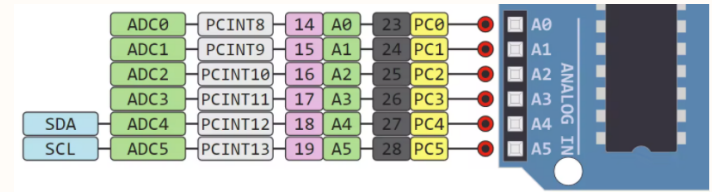
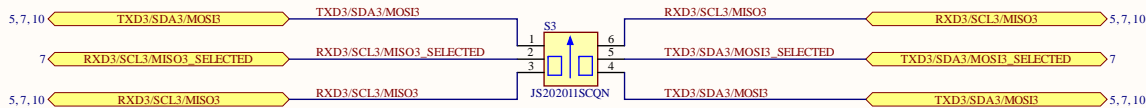
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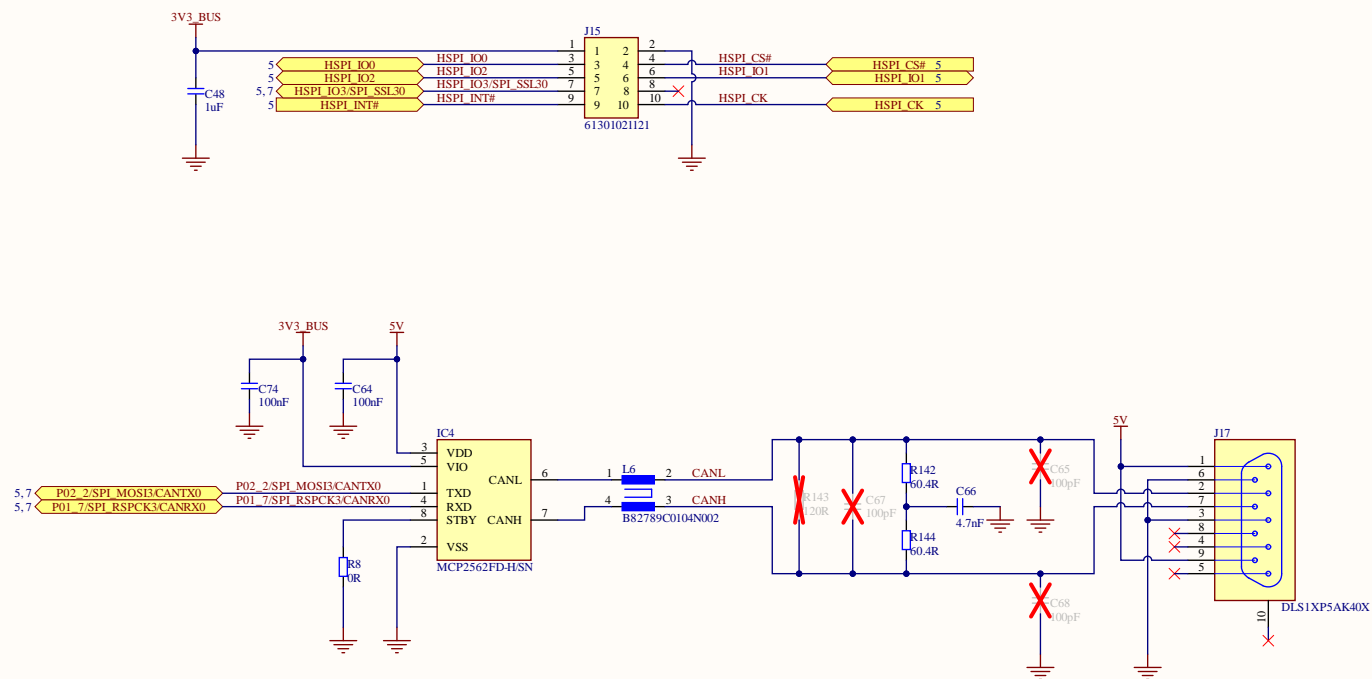


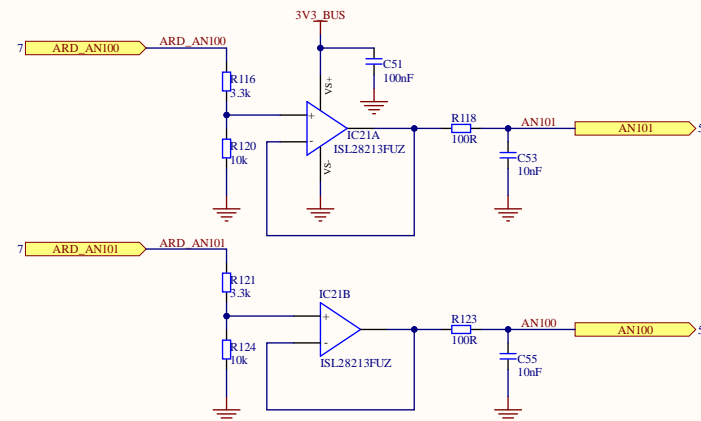
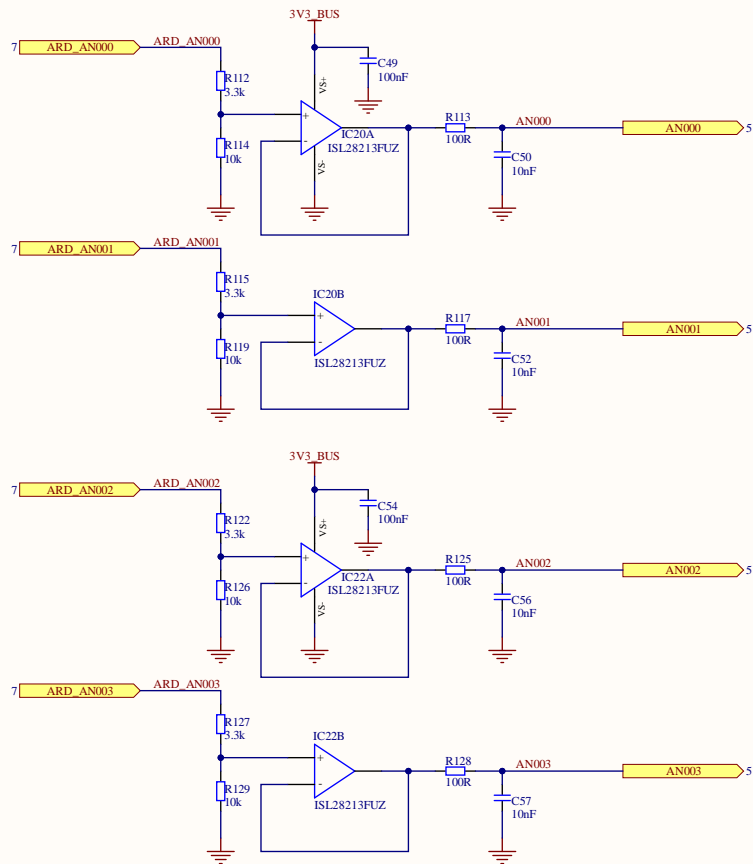
Arduino SHIELD/HOST UART selection:

1,1-2,5-6 SHORT and 2-3,4-5 OPEN -> HOST

2,1-2,5-6 OPEN and 2-3,4-5 SHORT -> SHIELD







MXT Creation SRL

Title

Analog Interface

Date: 4/23/2024

Sheet 12 of 12

Revision V3I1

File: Analog Interface.SchDoc

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