

NORTH

QVDDIO

DRXLCLK_P	TXO_LCLK_PD
DRXLCLK_N	TXO_LCLK_ND
DRXLFRAME_P	TXO_FRAME_PD
DRXLFRAME_N	TXO_FRAME_ND
QRXO_RD_WAIT_P	TXL_RD_WAIT_PD
QRXO_RD_WAIT_N	TXL_RD_WAIT_ND
QRXO_WR_WAIT_P	TXL_WR_WAIT_PD
QRXO_WR_WAIT_N	TXL_WR_WAIT_ND

DRXL_DATA_P[0..7] TXO_DATA_P[0..7]
DRXL_DATA_N[0..7] TXO_DATA_N[0..7]

File: paracard-elink.kicad_sch

SOUTH

QVDDIO

DRXLCLK_P	TXO_LCLK_PD
DRXLCLK_N	TXO_LCLK_ND
DRXLFRAME_P	TXO_FRAME_PD
DRXLFRAME_N	TXO_FRAME_ND
QRXO_RD_WAIT_P	TXL_RD_WAIT_PD
QRXO_RD_WAIT_N	TXL_RD_WAIT_ND
QRXO_WR_WAIT_P	TXL_WR_WAIT_PD
QRXO_WR_WAIT_N	TXL_WR_WAIT_ND

DRXL_DATA_P[0..7] TXO_DATA_P[0..7]
DRXL_DATA_N[0..7] TXO_DATA_N[0..7]

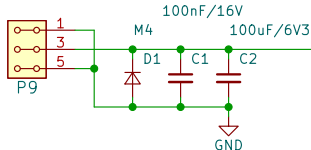
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MountingHoles

PWR_FLAG SYS-5P0V

QSYS_5P0V

File: paracard-mtg.kicad_sch



GPIO

QVGPIO

GPIO_N[0..23]
GPIO_P[0..23]
GPIO[0..47]

File: paracard-gpio.kicad_sch

POWER

SYS-5P0V	QSYS_5P0V	I2C_SDA	I2C_SDA
DSP_YID[0..3]	DSP_YID[0..3]	I2C_SCL	I2C_SCL
DSP_XID[0..3]	DSP_XID[0..3]	PROG_IO	PROG_IO
REG_EN[1..4]	REG_EN[1..4]	USER_LED	USER_LED
1P0V	1P0V	DSP_FLAG	DSP_FLAG
VDD_DSP	VDD_DSP	UART_RX	UART_RX
1P35V	1P35V	UART_TX	UART_TX
1P8V	1P8V	RESET_N	RESET_N
VDD_ADJ	VDD_ADJ	VADC_P	VADC_P
VDD_GPIO	VDD_GPIO	VADC_N	VADC_N
2P5V	2P5V	SPDIF	SPDIF
3P3V	3P3V	TURBO_MODE	TURBO_MODE
JTAG_BOOT_EN	JTAG_BOOT_EN	SPARE	SPARE
JTAG_TDI	JTAG_TDI		
JTAG_TDO	JTAG_TDO		
JTAG_TMS	JTAG_TMS		
JTAG_TCK	JTAG_TCK		

File: paracard-power.kicad_sch

GPIO_N[0..23]
GPIO_P[0..23]

GPIO_N0	U17	GPIO_0N	A1
GPIO_P0	T16	GPIO_0P	A2
GPIO_N2	P16	GPIO_2N	A3
GPIO_P2	P15	GPIO_2P	A4
GPIO_N4	R14	GPIO_4N	A5
GPIO_P4	P14	GPIO_4P	A6

GPIO_N10	U12	GPIO_10N	A7
GPIO_P10	T12	GPIO_10P	A8
GPIO_N6	U15	GPIO_6N	A9
GPIO_P6	U14	GPIO_6P	A10

GPIO_P3	U18	GPIO_3P	B18
GPIO_N3	U19	GPIO_3N	B17
GPIO_P11	T11	GPIO_11P	B16
GPIO_N11	U12	GPIO_11N	B15

GPIO_P9	V12	GPIO_9P	B14
GPIO_N9	V13	GPIO_9N	B13
GPIO_P7	W14	GPIO_7P	B12
GPIO_N7	Y14	GPIO_7N	B11

GPIO_P5	T14	GPIO_5P	B8
GPIO_N5	T15	GPIO_5N	B7
GPIO_P16	W10	GPIO_16P	B6
GPIO_N16	W9	GPIO_16N	B5

GPIO_N12	Y13	GPIO_12N	B4
GPIO_P12	Y12	GPIO_12P	B3
GPIO_N14	V10	GPIO_14N	B2
GPIO_P14	V11	GPIO_14P	B1

GPIO_N18	Y9	GPIO_18N	A18
GPIO_P18	W8	GPIO_18P	A17
GPIO_N20	U7	GPIO_20N	A16
GPIO_P20	Y6	GPIO_20P	A15

GPIO_P21	V7	GPIO_21P	A14
GPIO_N21	V6	GPIO_21N	A13
GPIO_P19	Y8	GPIO_19P	A12
GPIO_N19	Y7	GPIO_19N	A11

GPIO_P17	U9	GPIO_17P	A10
GPIO_N17	U8	GPIO_17N	A9
GPIO_P15	T9	GPIO_15P	A8
GPIO_N15	U10	GPIO_15N	A7

GPIO_P13	W11	GPIO_13P	A6
GPIO_N13	Y11	GPIO_13N	A5

P5A

ROW A

SAS_mini_1888174-6

P5B

ROW B

SAS_mini_1888174-6

P6A

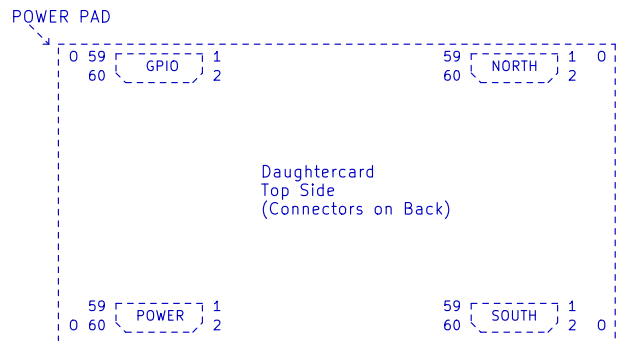
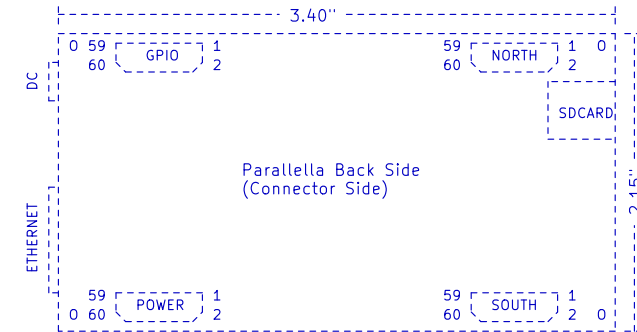
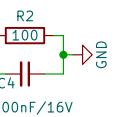
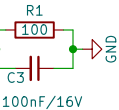
ROW A

SAS_mini_1888174-6

P6B

ROW B

SAS_mini_1888174-6



P6A and P6B Mini-SAS connectors are available only with Zynq XC7Z020. Therefore could be used only with Parallella Embedded (P1602).

COMMENTO

Parallella MLAB interface board

Title: MPPB01B

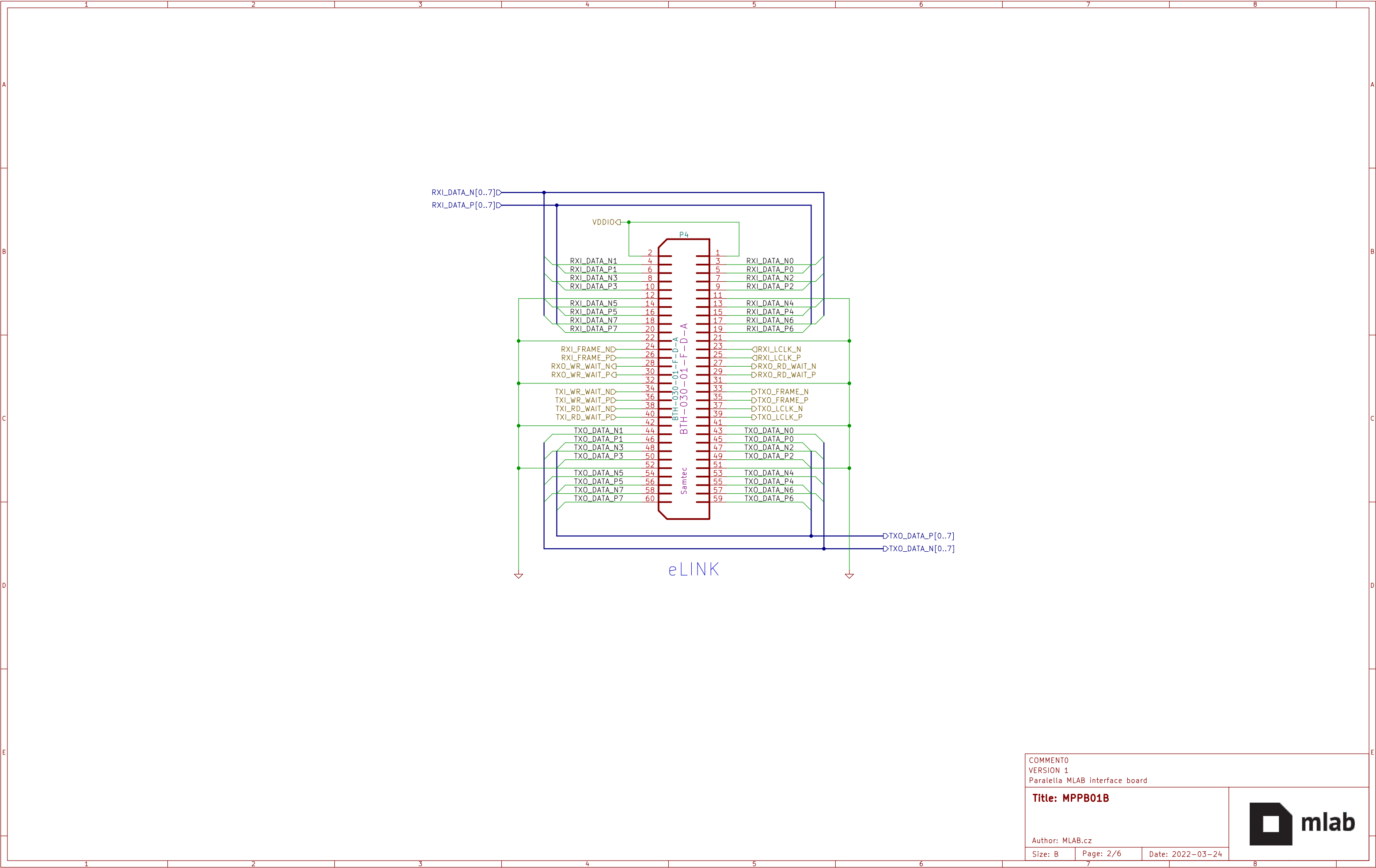
Author: MLAB.cz

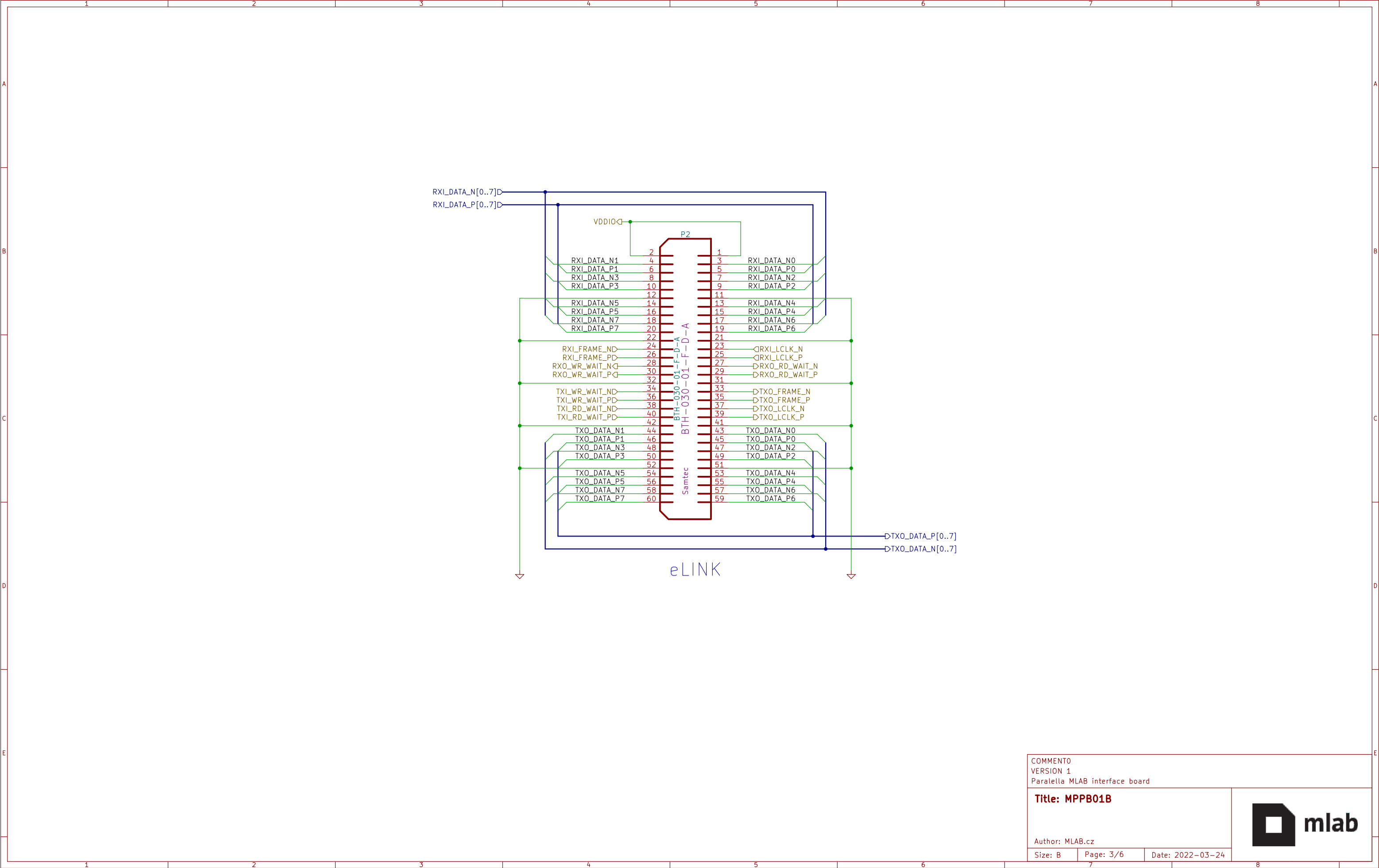
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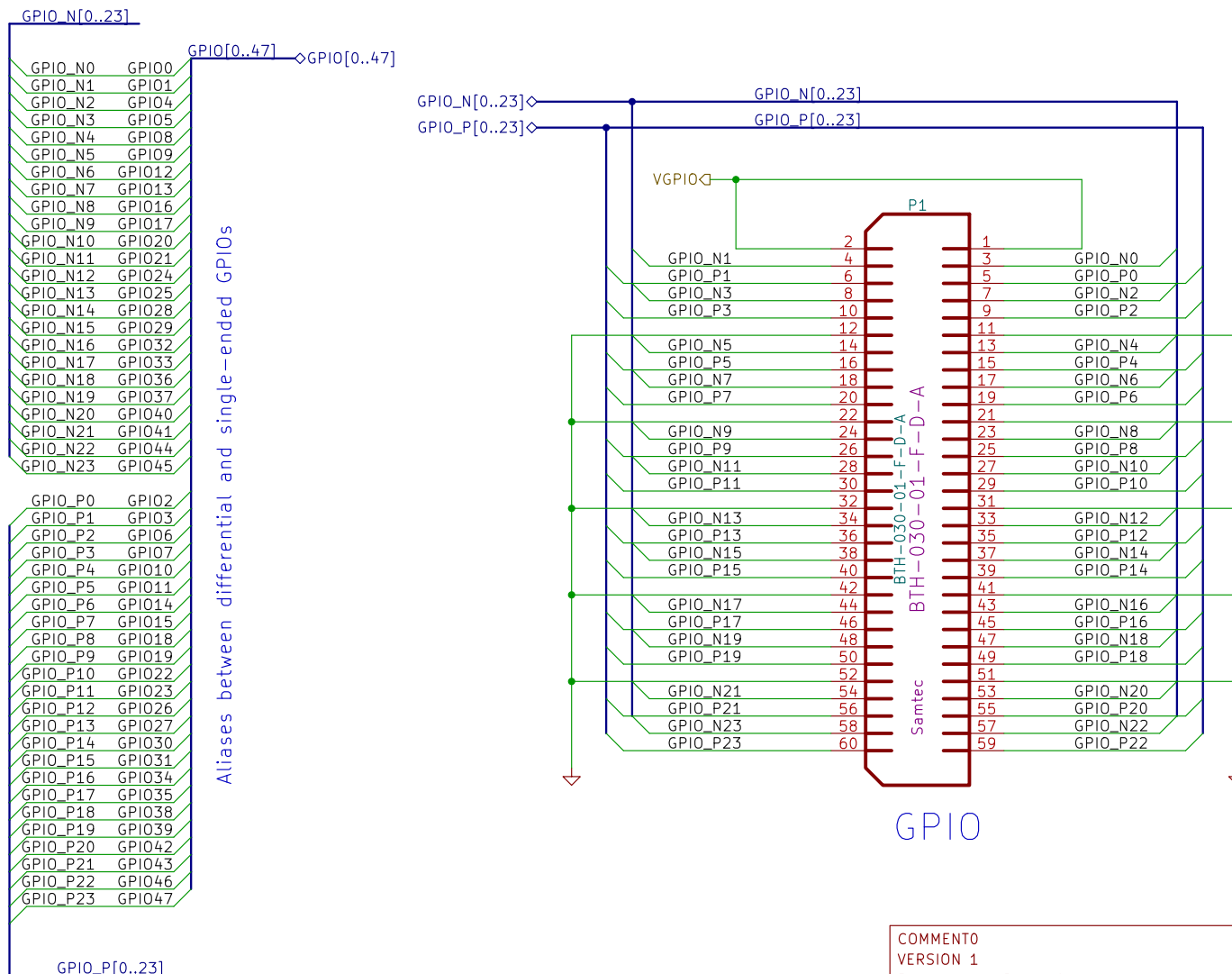
Page: 1/6

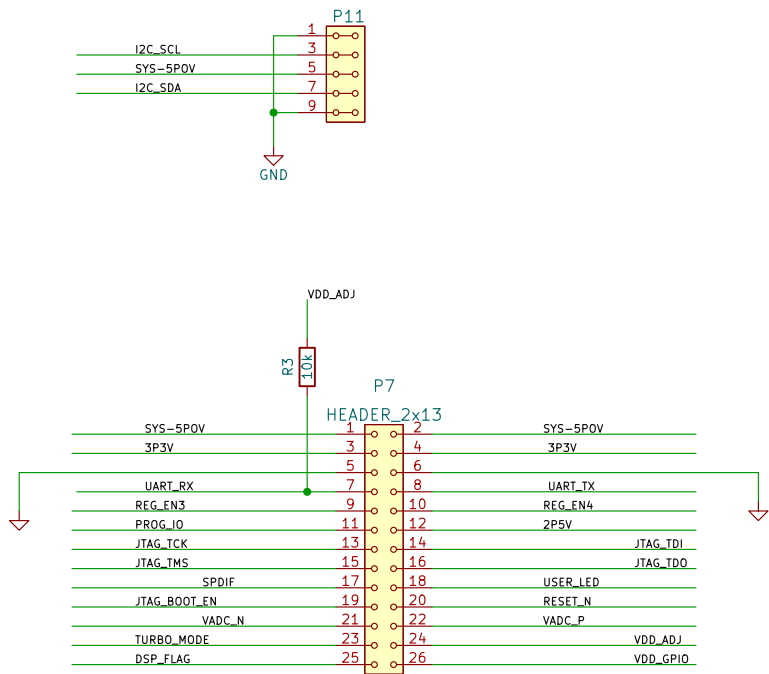
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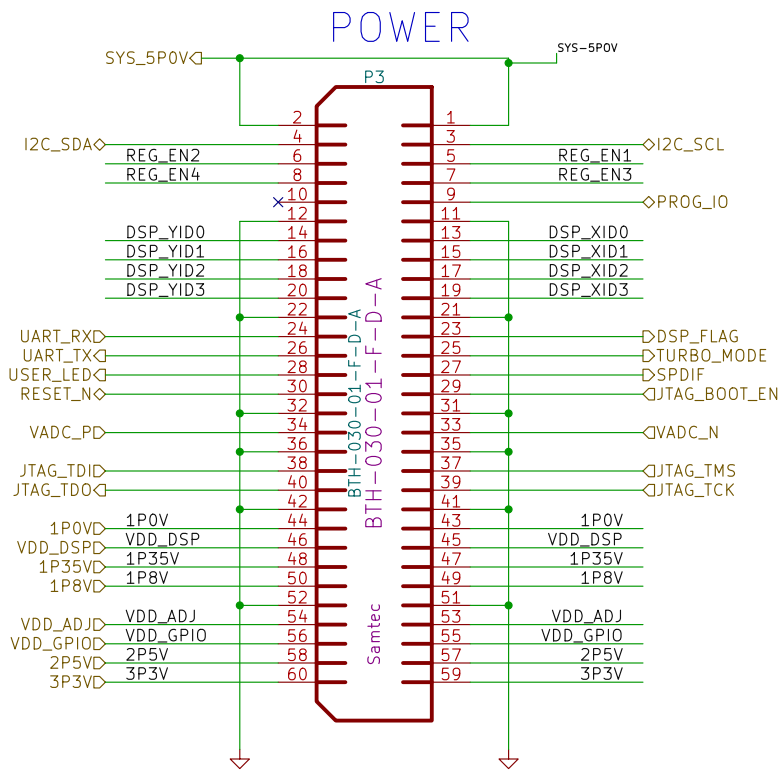








REG_EN[1..4] → REG_EN[1..4]
DSP_YID[0..3] → DSP_YID[0..3]
DSP_XID[0..3] → DSP_XID[0..3]



COMMENTO
VERSION 1
Paralella MLAB interface board

Title: MPPB01B

Author: MLAB.cz

Size: B

Page: 5/6

Date: 2022-03-24



