

J6

PC_LED

1

2

NX_PC_LED-

NX_PC_LED+

UART1_TXD

UART1_RXD

I2S0_SCLK

UART1_RTS

UART1_CTS

I2S0_DIN

I2S0_DOUT

I2S0_FS

NX_PC_LED-

NX_PC_LED+

Q

CAN0

Q

CAN1

Q

CAN2

Q

ETH

Q

CPU

Q

HD

Q

USR1

Q

USR2

Q

PC_LED-

Q

PC_LED+

LEDs

3/4

File: LEDs.kicad_sch

H1

MountingHole

H4

MountingHole

H3

MountingHole

H5

MountingHole

H2

MountingHole

+3V3

J1

NX Expansion

1

2

3

4

5

6

7

8

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10

11

12

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39

40

I2C1_SDA

I2C1_SCL

GPI009

UART1_RTS

SPI1_SCK

GPI012

SPI0_MOSI

SPI0_MISO

SPI0_SCK

I2C0_SDA

GPI001

GPI011

GPI013

I2S0_FS

SPI1_MOSI

UART1_TXD

UART1_RXD

I2S0_SCLK

SPI1_CS1

SPI1_CS0

SPI1_MISO

SPI0_CS0

SPI0_CS1

I2C0_SCL

GPI007

UART1_CTS

I2S0_DIN

I2S0_DOUT

5V

5V

GND

GND

➔ Sseed Studio J401 Carrier Board

➔ Sseed Studio J401 Carrier Board Schematic

➔ Sseed Studio J401 Carrier Board Datasheet

➔ J401 Measurements

➔ Samtec 40 pin Elevated Socket

NX-Indicator to NX-Interface Cable

DESCRIPTON	NX-Interface (J15)	NX-Indicator (J3)
NX_PC_LED-	1	1
UART2_RXD	3	2
UART1_TXD	4	3
SYS_RST_RCV_RTN	7	4
SYS_RESETh	8	5
FORCE_RECOVERY_RTN	9	6
FORCE_RECOVERYn	10	7

971 SPARTAN ROBOTICS

971 Spartan Robotics

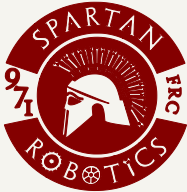
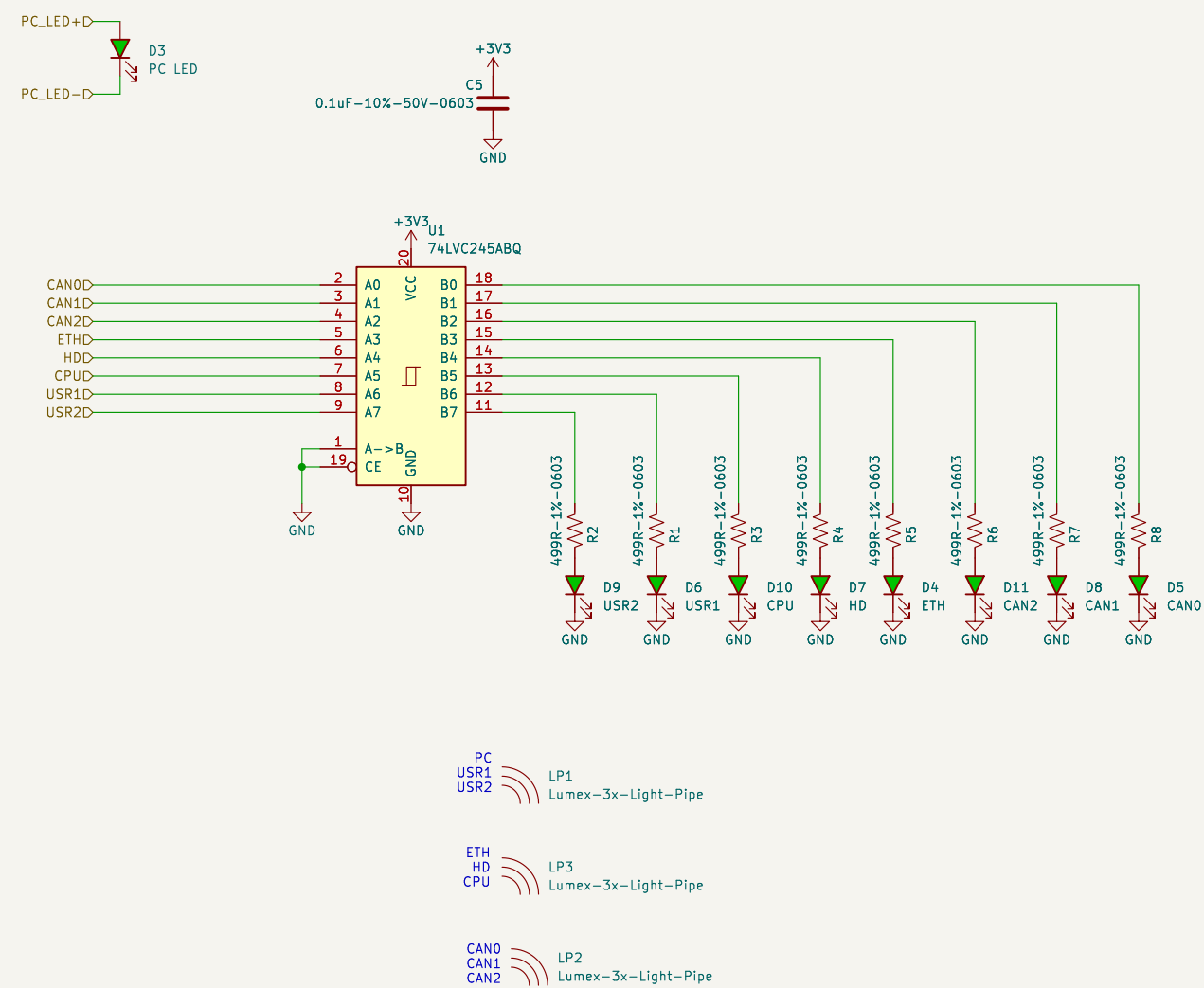
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Size: B
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Date: 2024-07-14

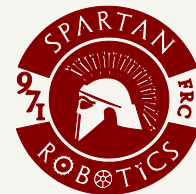
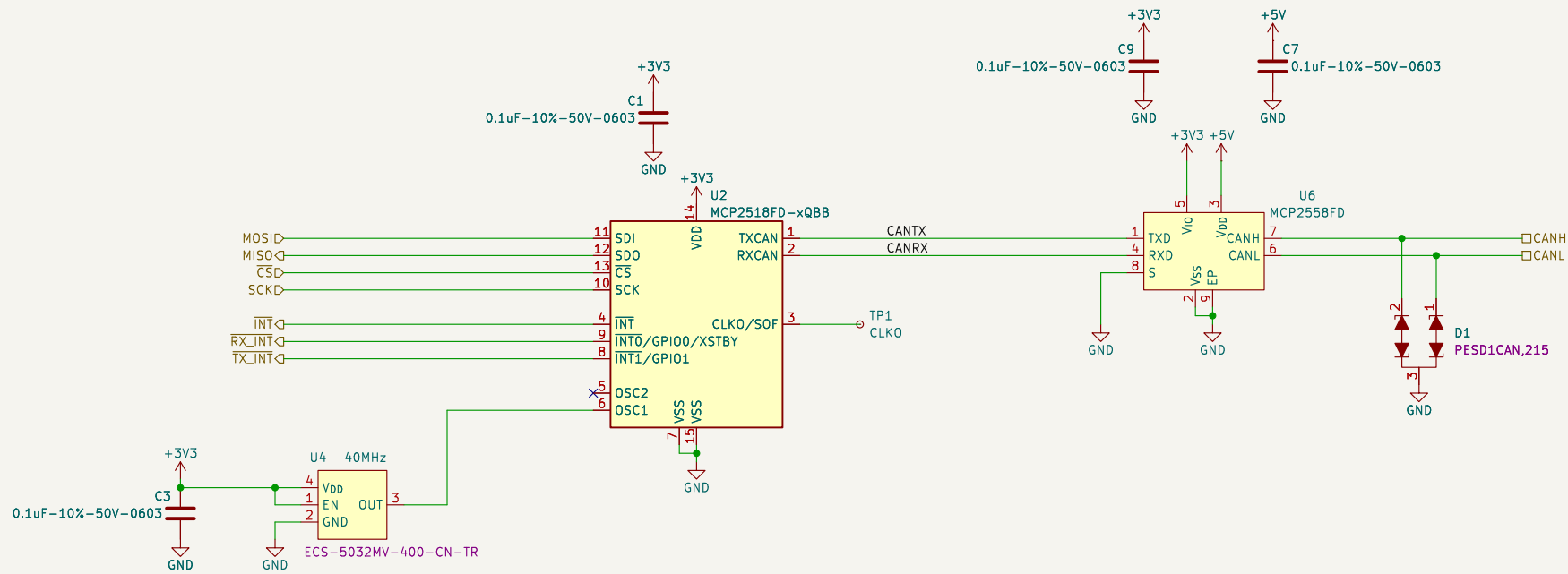
Rev: 2
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NOTE: PULL DOWN RESITORS
MUST BE GREATER THAN 50k
TO COMPLY WITH LEVEL TRANSLATOR



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Title: NX Indicator Board V2		
Size: B	Date: 2024-07-14	Rev: 2
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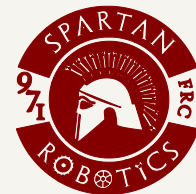
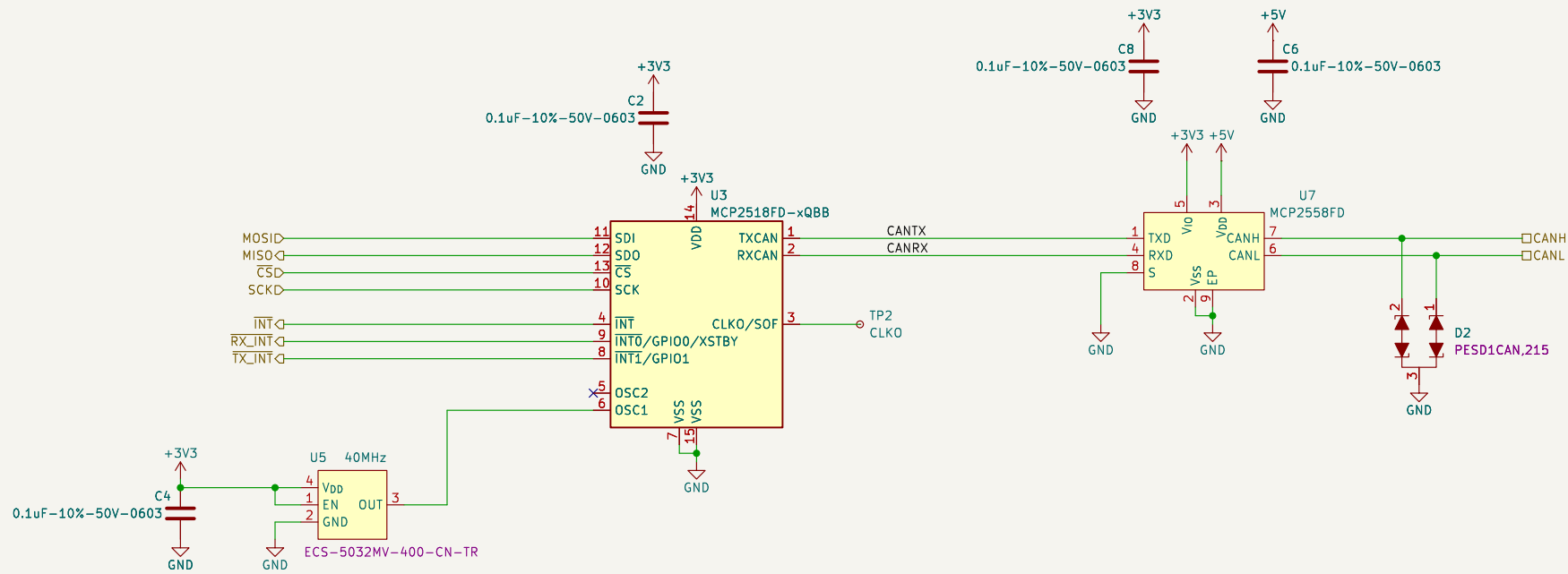
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Title: NX Indicator Board V2

Size: B Date: 2024-07-14
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