

Maverick Labs LLC

Sheet: /

File: NMEA2000Adapter-8.kicad_sch

Title: MAIANA NMEA2000 Adapter

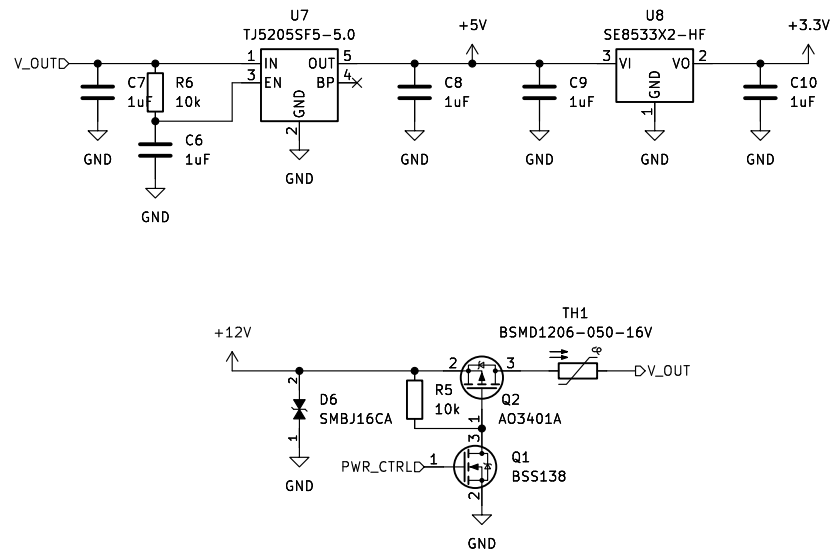
Size: A4

Date: 2023-09-23

Rev: 8

KiCad E.D.A. kicad 7.0.5-0

Id: 1/6



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Sheet: /Power/
File: power.kicad_sch

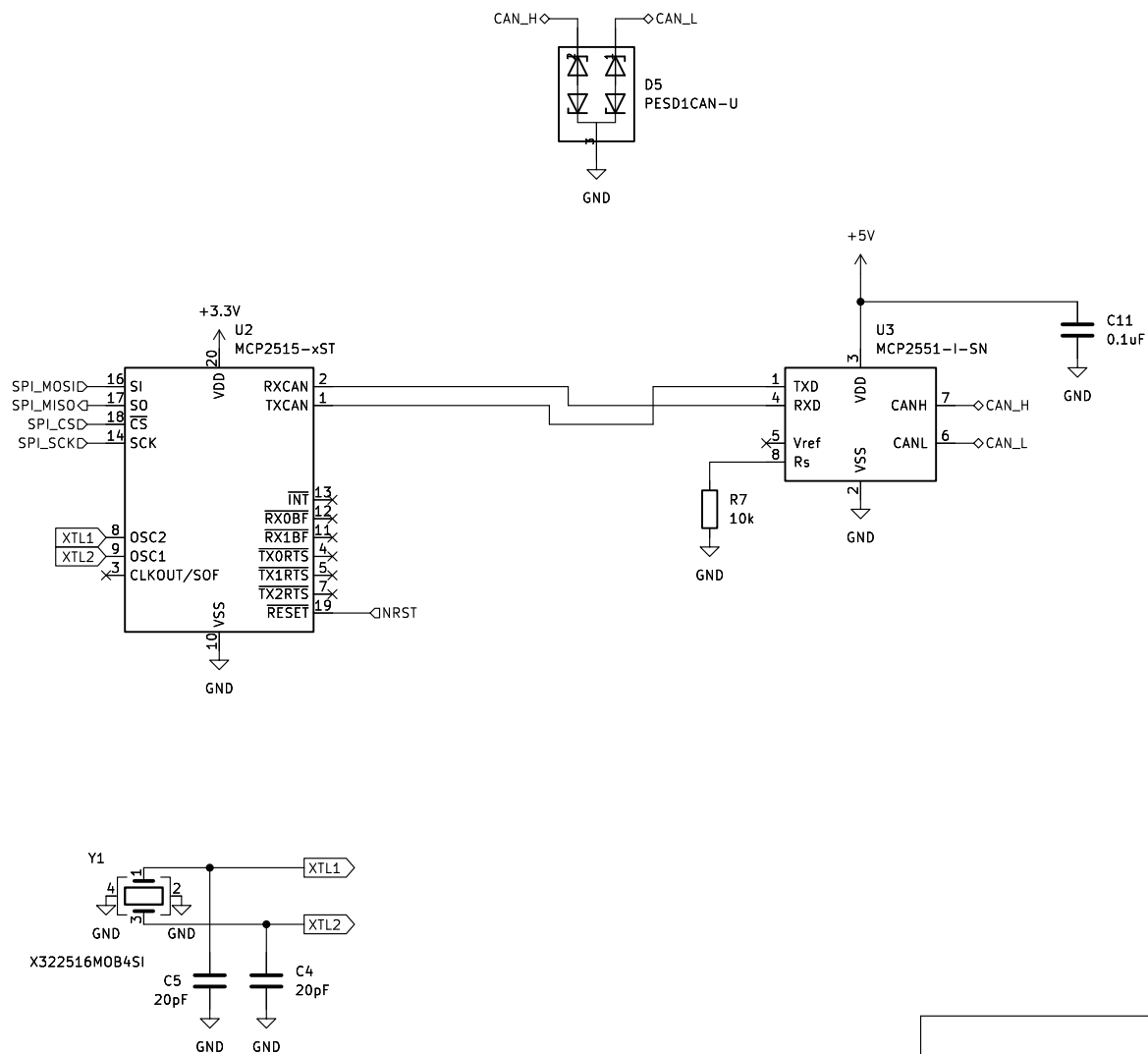
Title: MAIANA NMEA2000 Adapter

Size: A4 Date: 2023-09-23

KiCad E.D.A. kicad 7.0.5-0

Rev: 8

Id: 2/6



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Sheet: /CAN/

File: can.kicad_sch

Title: MAIANA NMEA2000 Adapter

Size: A4

Date: 2023-09-23

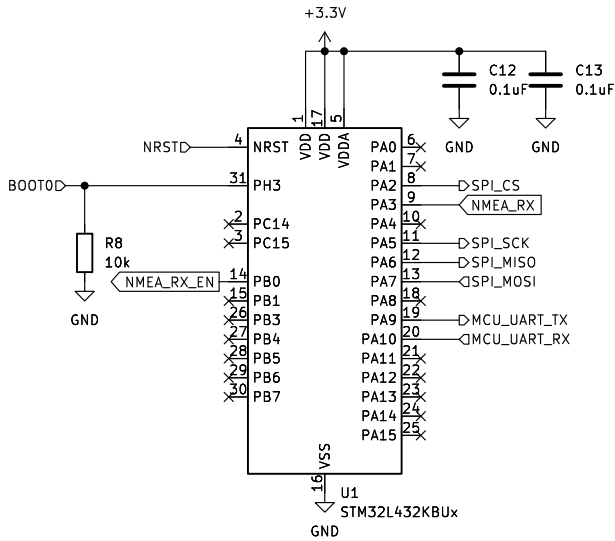
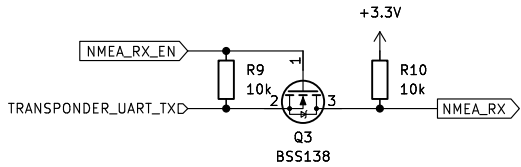
Rev: 8

KiCad E.D.A. kicad 7.0.5-0

Id: 3/6

The incoming NMEA stream from MAIANA arrives at USART2. Application firmware does not enable USART1 and must also explicitly enable this buffer in order to consume data via USART2.

If the MCU enters the ROM bootloader, both USART1 and USART2 will listen for incoming commands. But since this buffer will be disabled (PB0 stays low), nothing will arrive at USART2, so only USART1 will become active.



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Sheet: /MCU/
File: mcu.kicad_sch

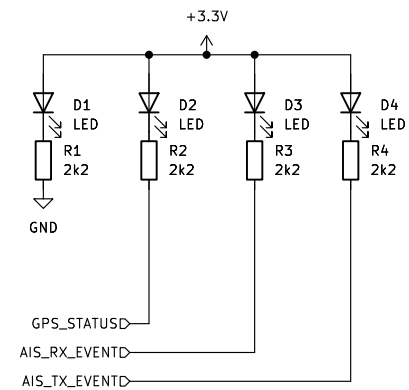
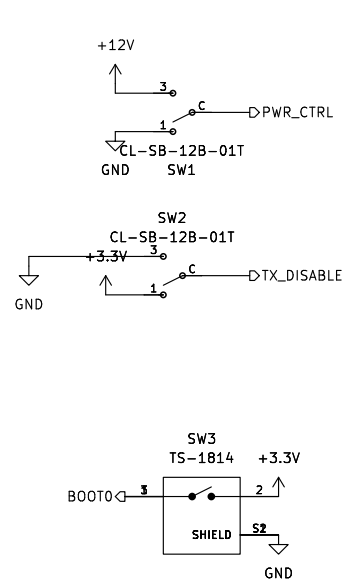
Title: MAIANA NMEA2000 Adapter

Size: A4 Date: 2023-09-23

KiCad E.D.A. kicad 7.0.5-0

Rev: 8

Id: 4/6



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Sheet: /UI/

File: ui.kicad_sch

Title: MAIANA NMEA2000 Adapter

Size: A4

Date: 2023-09-23

Rev: 8

KiCad E.D.A. kicad 7.0.5-0

Id: 5/6

