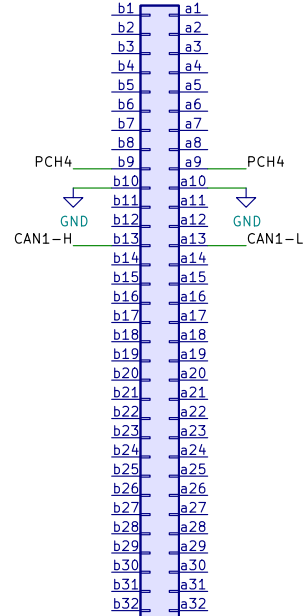
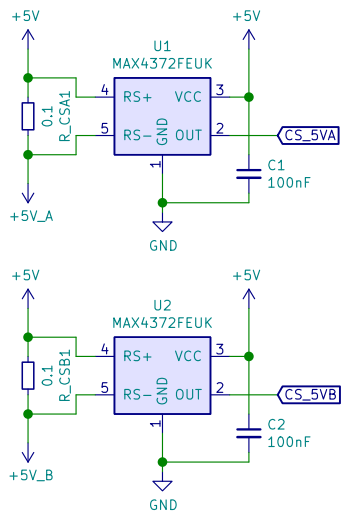


Platform Bus

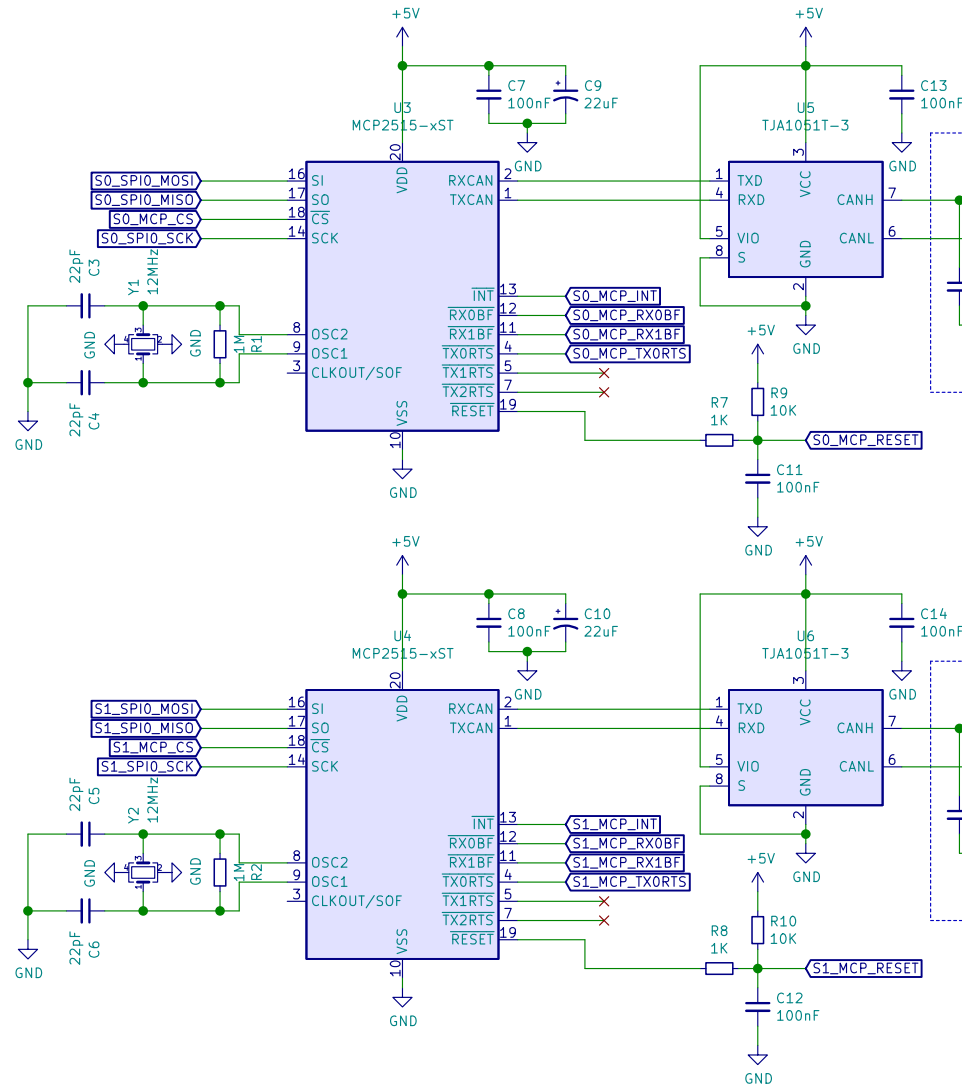
PC/104 Connector



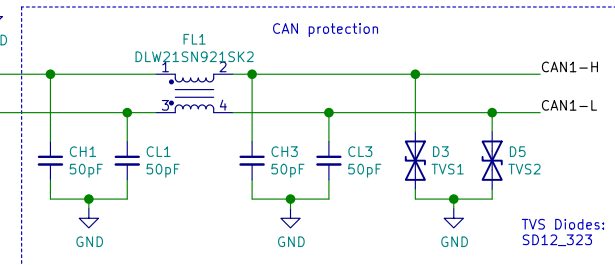
Current Sensors



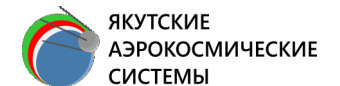
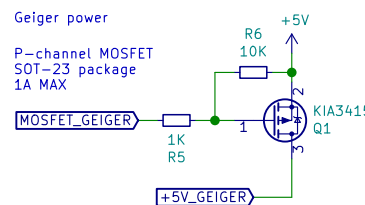
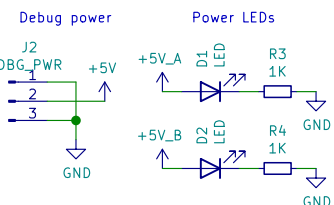
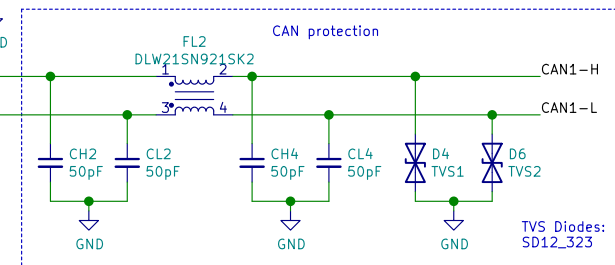
CANBUS Controllers



Node Group0 S0



Node Group1 S1



Sakha Aerospace Systems, LLC

Sheet: /
File: ykts-payload.sch

Title: YktSat Payload Module

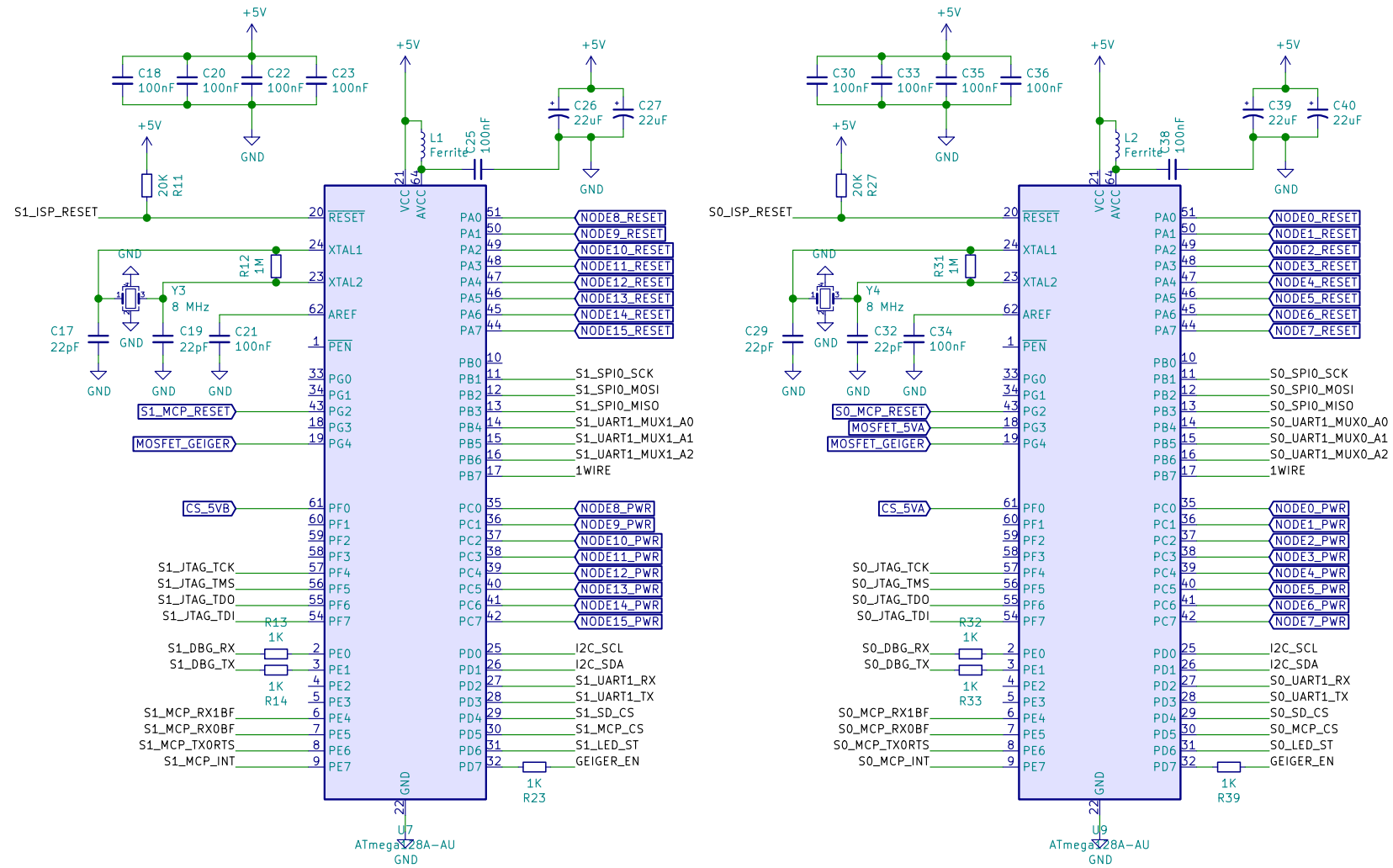
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KiCad E.D.A. kicad (5.1.8)-1

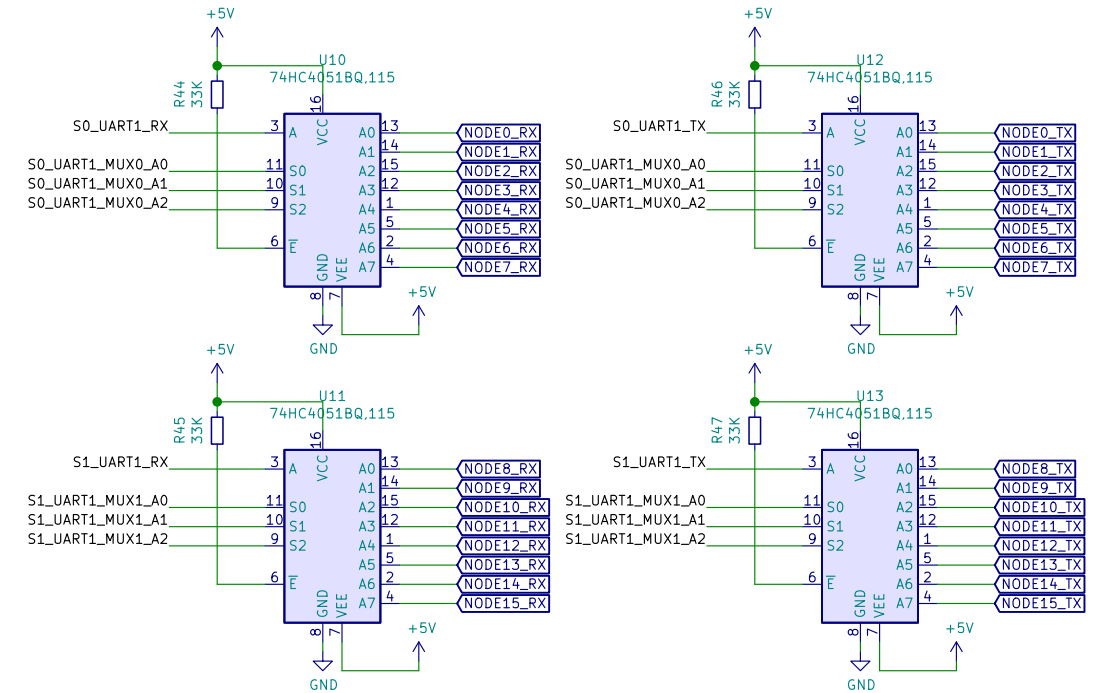
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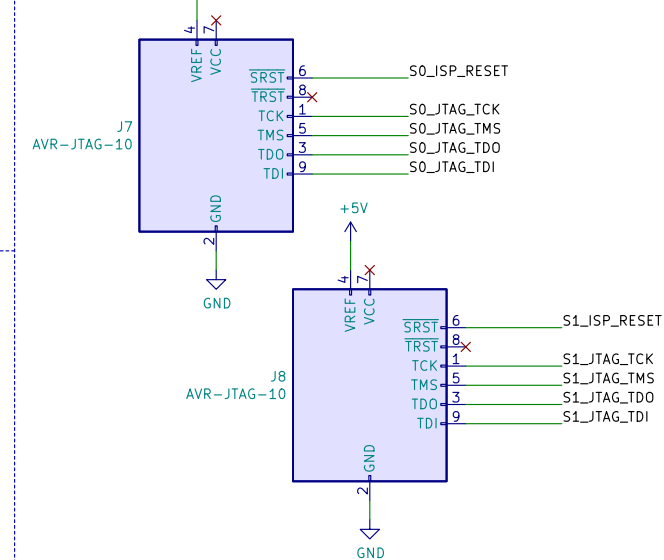
Main MCUs



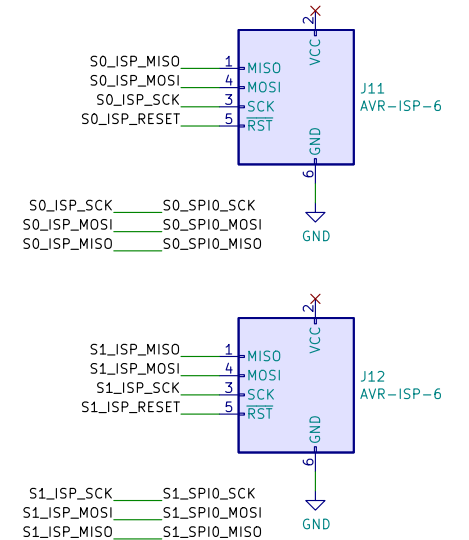
Node UART Multiplexing



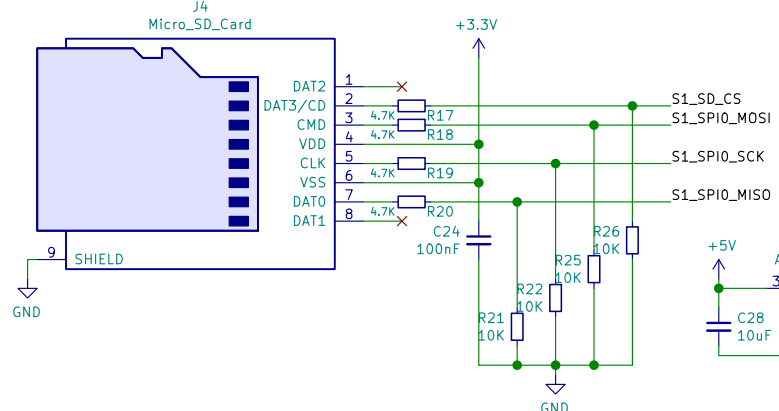
AVR JTAG



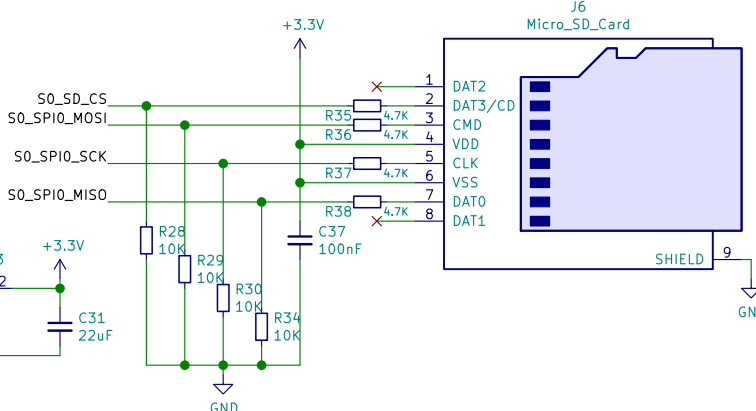
AVR ISP6



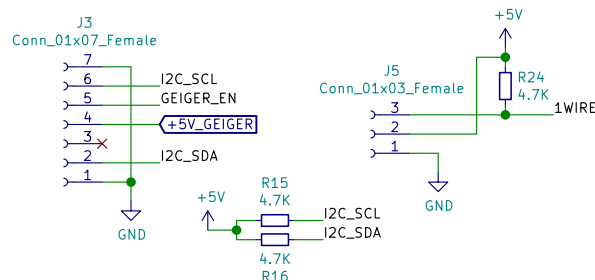
Supervisor 1 SD



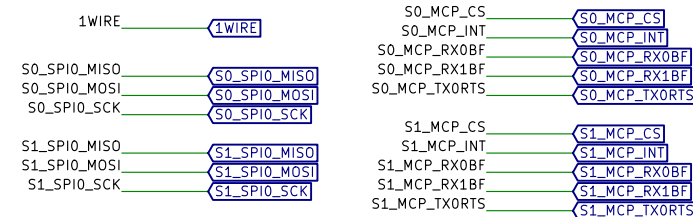
Supervisor 0 SD



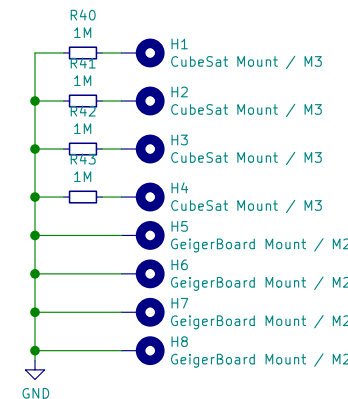
Auxiliary Devices

Geiger board,
DS18B20 sensors

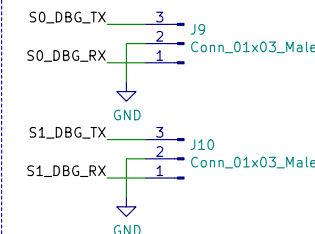
Global Bus Connections



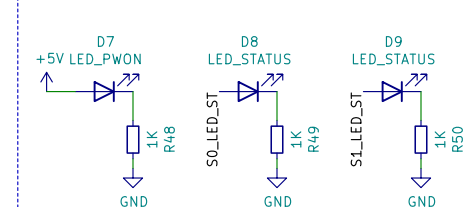
Mounting Holes



Debug Console



Status LEDs

Verified by:
Verified by:
Approved by:

Sakha Aerospace Systems, LLC

Sheet: /Payload MCU/

File: ykts-payload-mcu.sch

Title: YktSat Payload Module

Size: A3

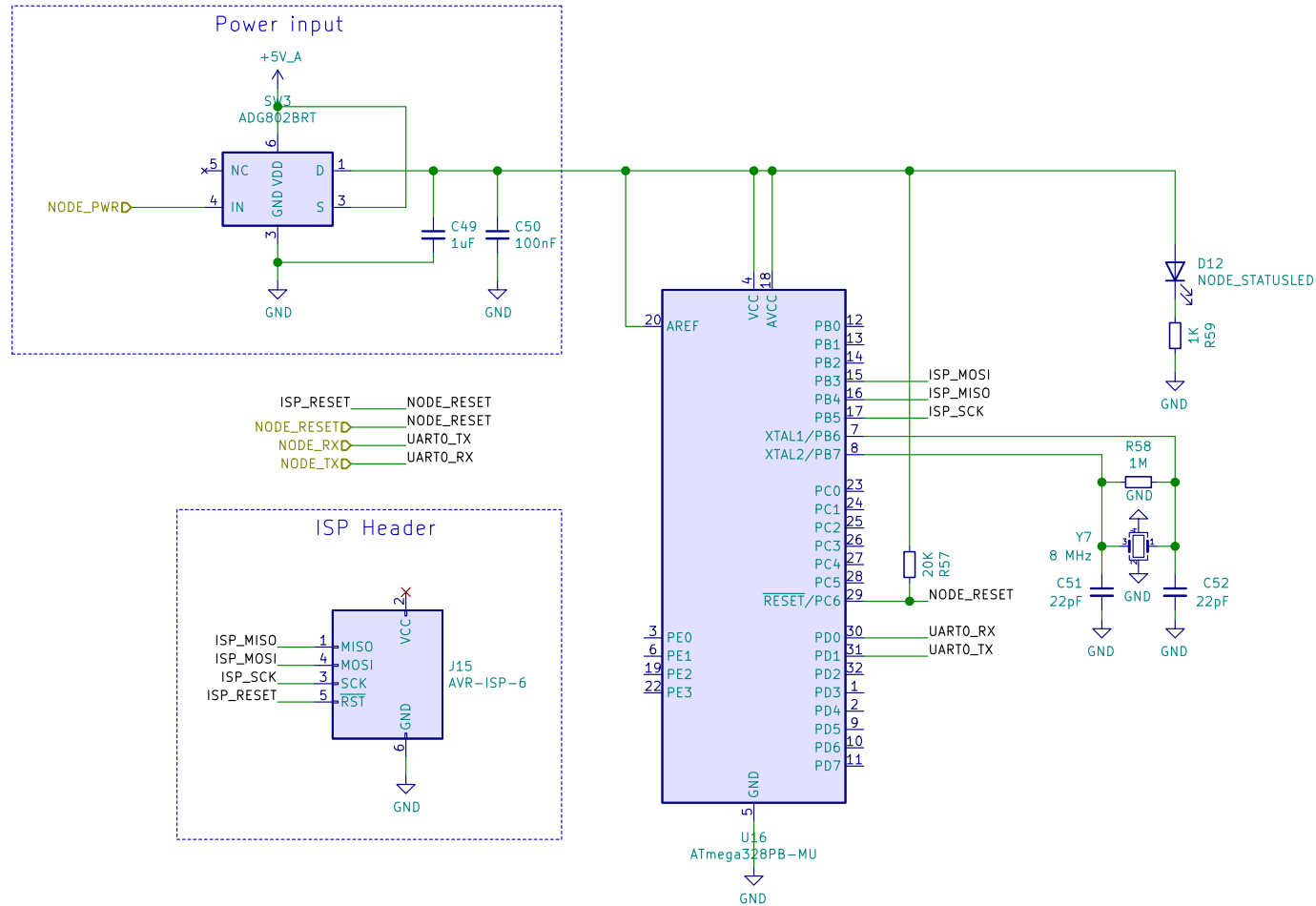
Date: 2021-10-27

Rev: B2

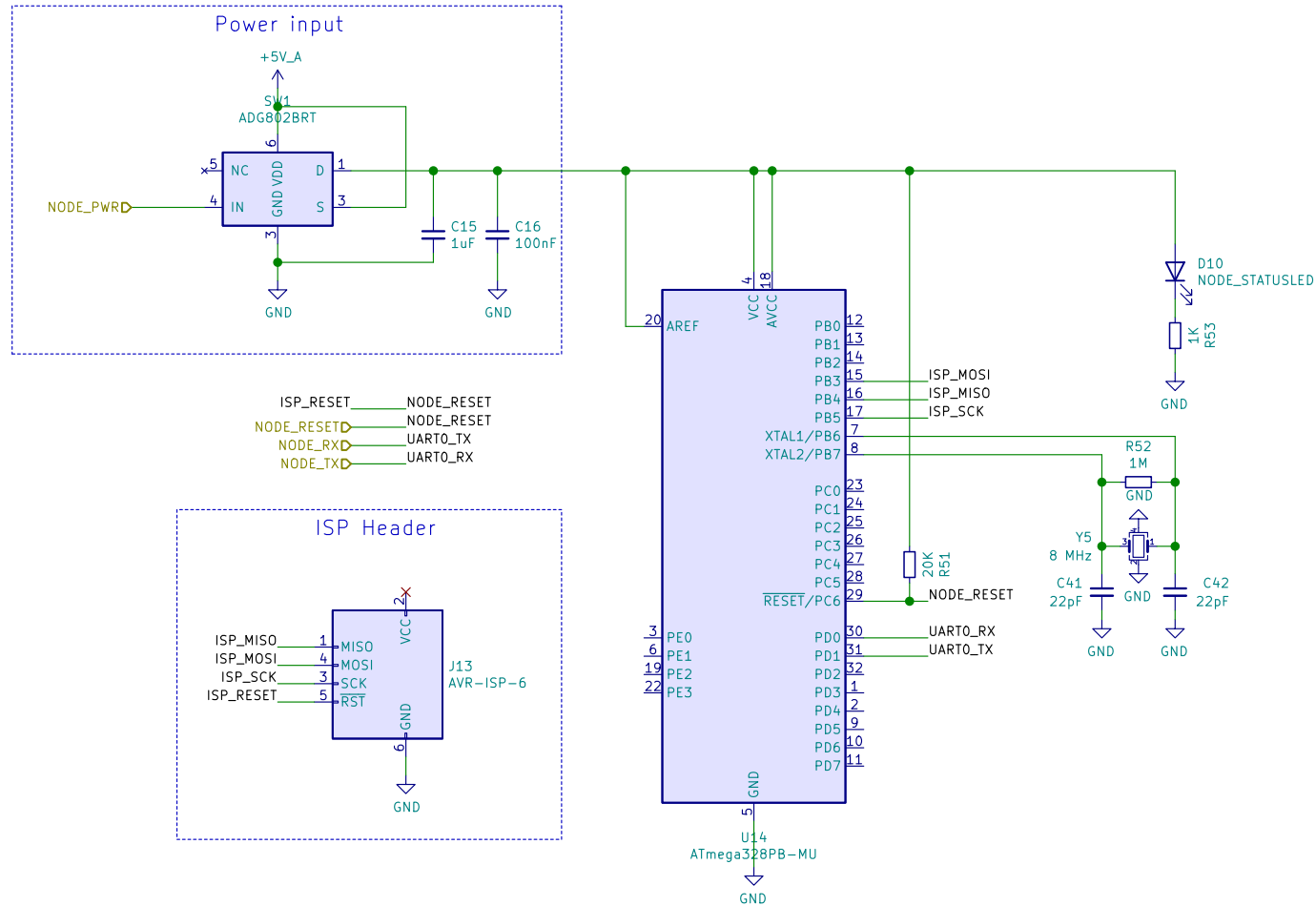
KiCad E.D.A. kicad (5.1.8)-1

Id: 2/18

MCU Node



MCU Node



Sakha Aerospace Systems, LLC

Sheet: /Payload MCU/MCU Node1/
File: ykts-mcu-node.sch

Title: YktSat Payload Module

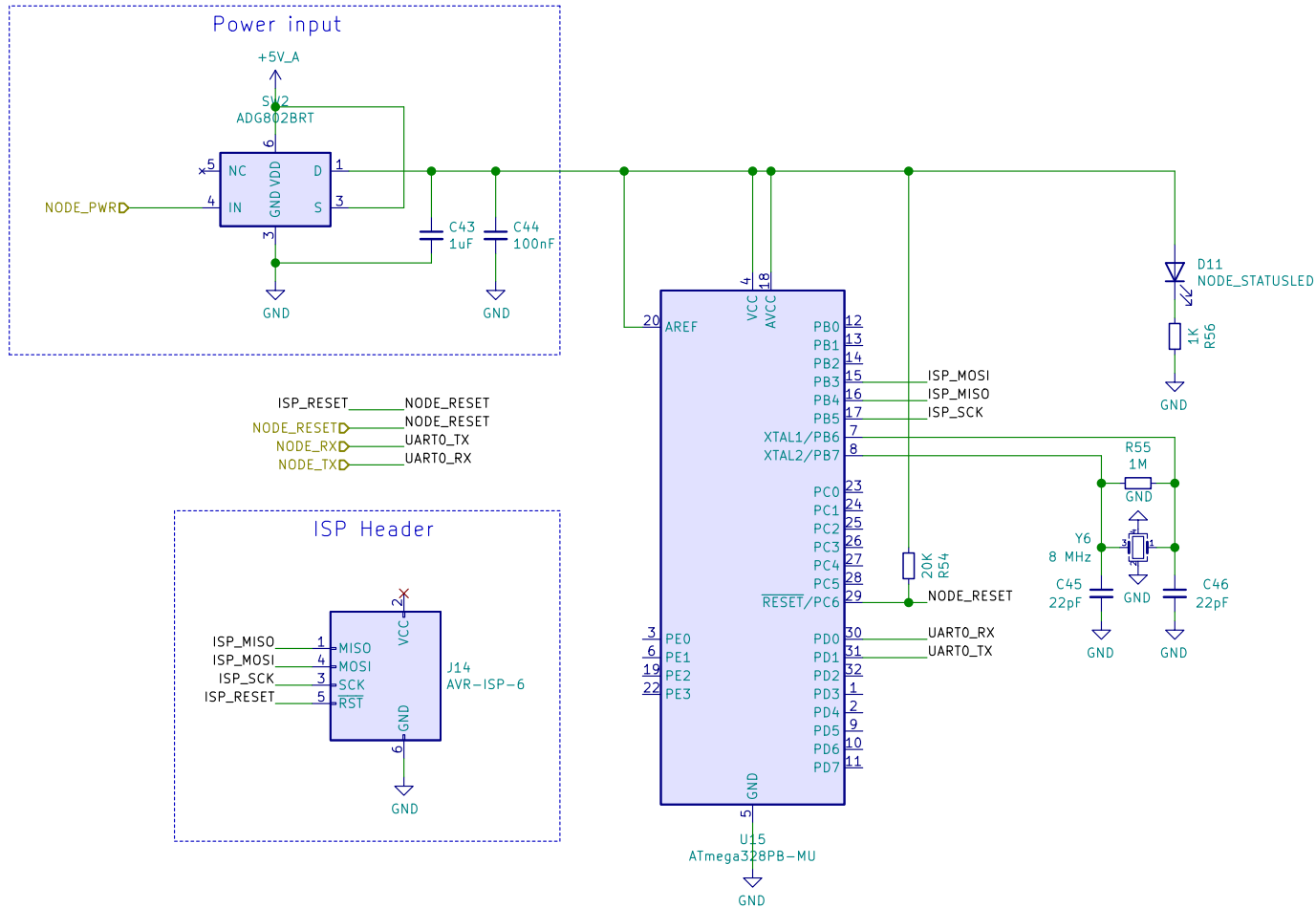
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KiCad E.D.A. kicad (5.1.8)-1

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MCU Node



Sakha Aerospace Systems, LLC

Sheet: /Payload MCU/MCU Node2/

File: ykts-mcu-node.sch

Title: YktSat Payload Module

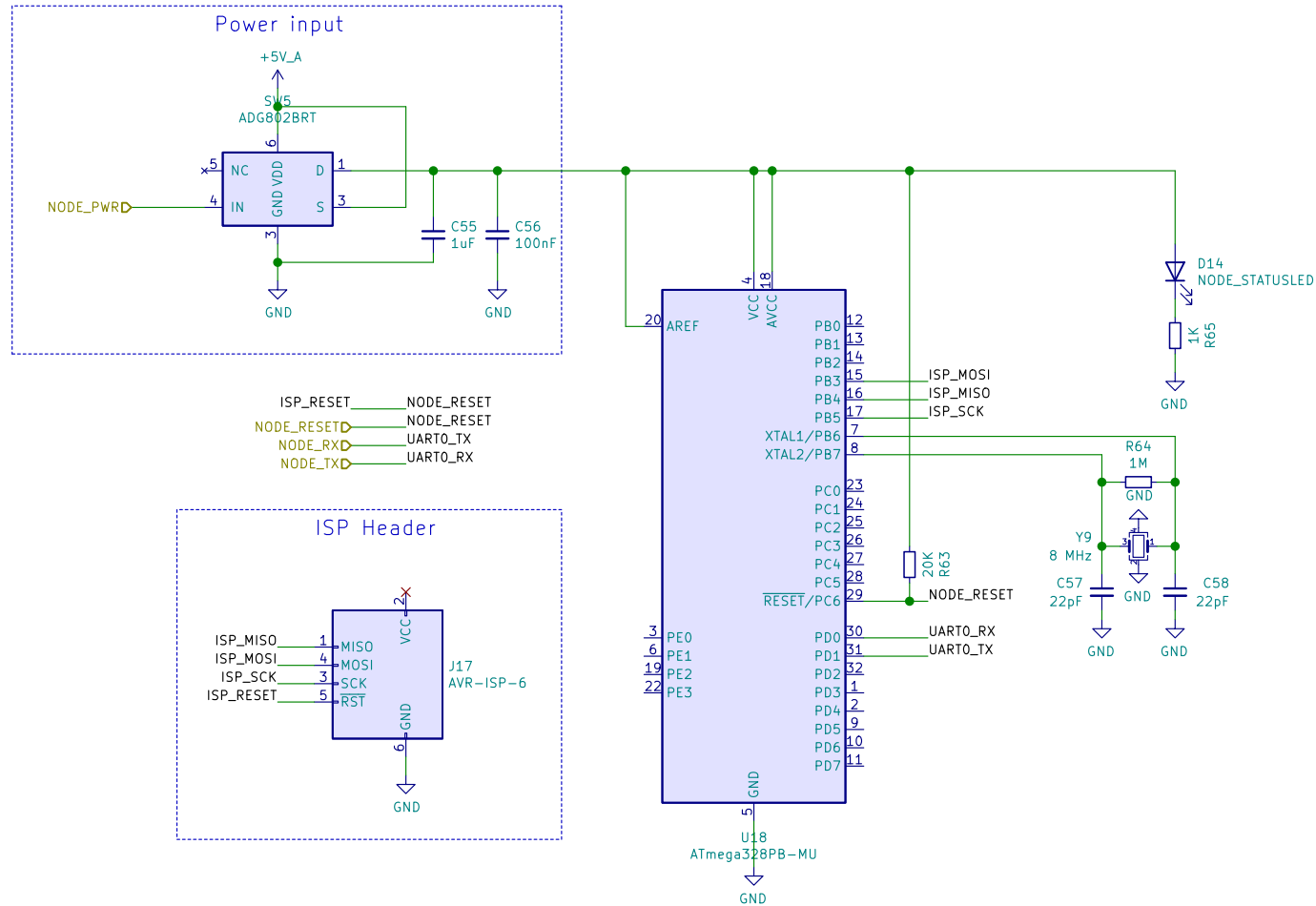
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KiCad E.D.A. kicad (5.1.8)-1

Rev: B2

Id: 5/18

MCU Node



Sakha Aerospace Systems, LLC

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File: ykts-mcu-node.sch

Title: YktSat Payload Module

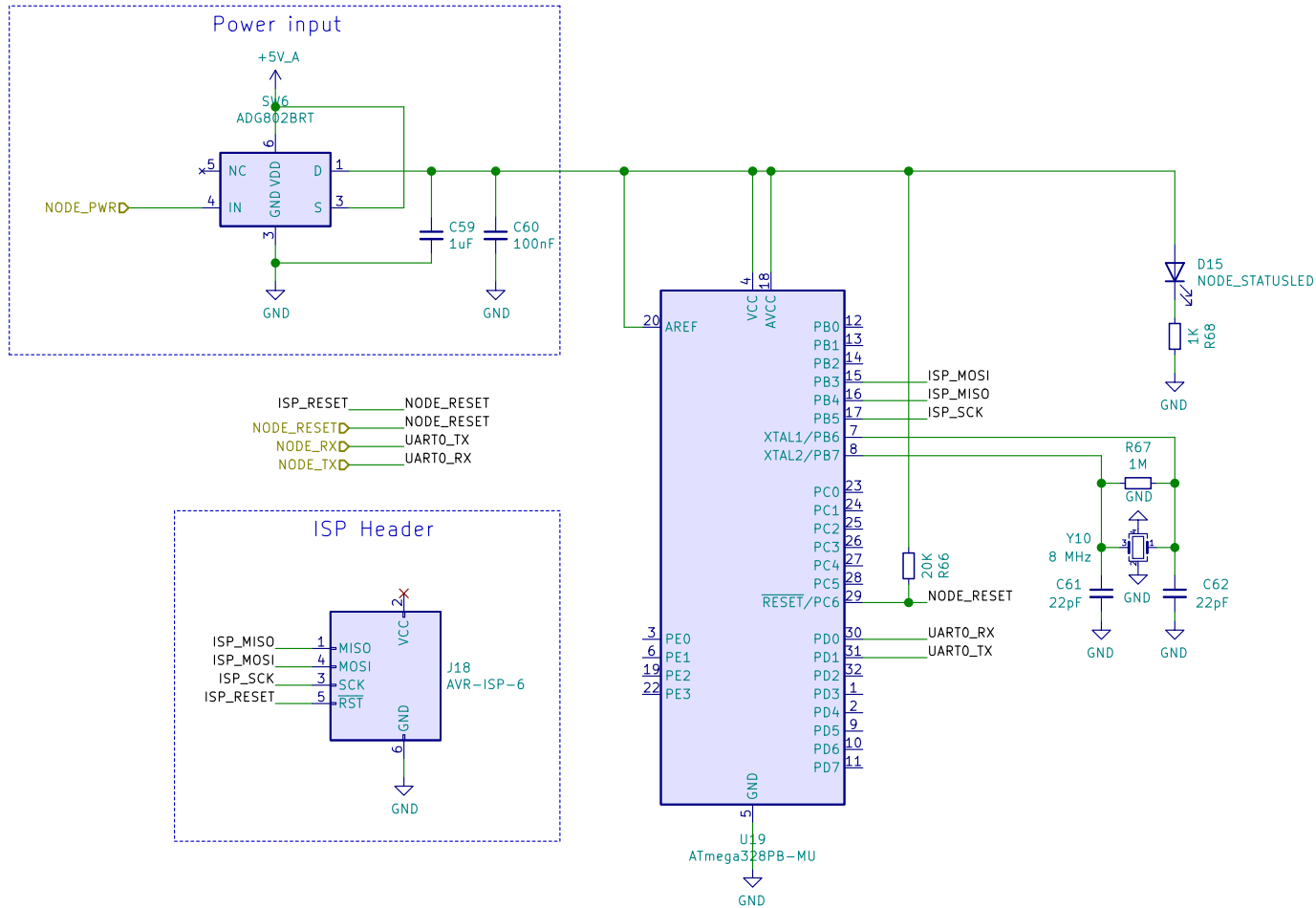
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KiCad E.D.A. kicad (5.1.8)-1

Rev: B2

Id: 7/18

MCU Node



Sakha Aerospace Systems, LLC

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Title: YktSat Payload Module

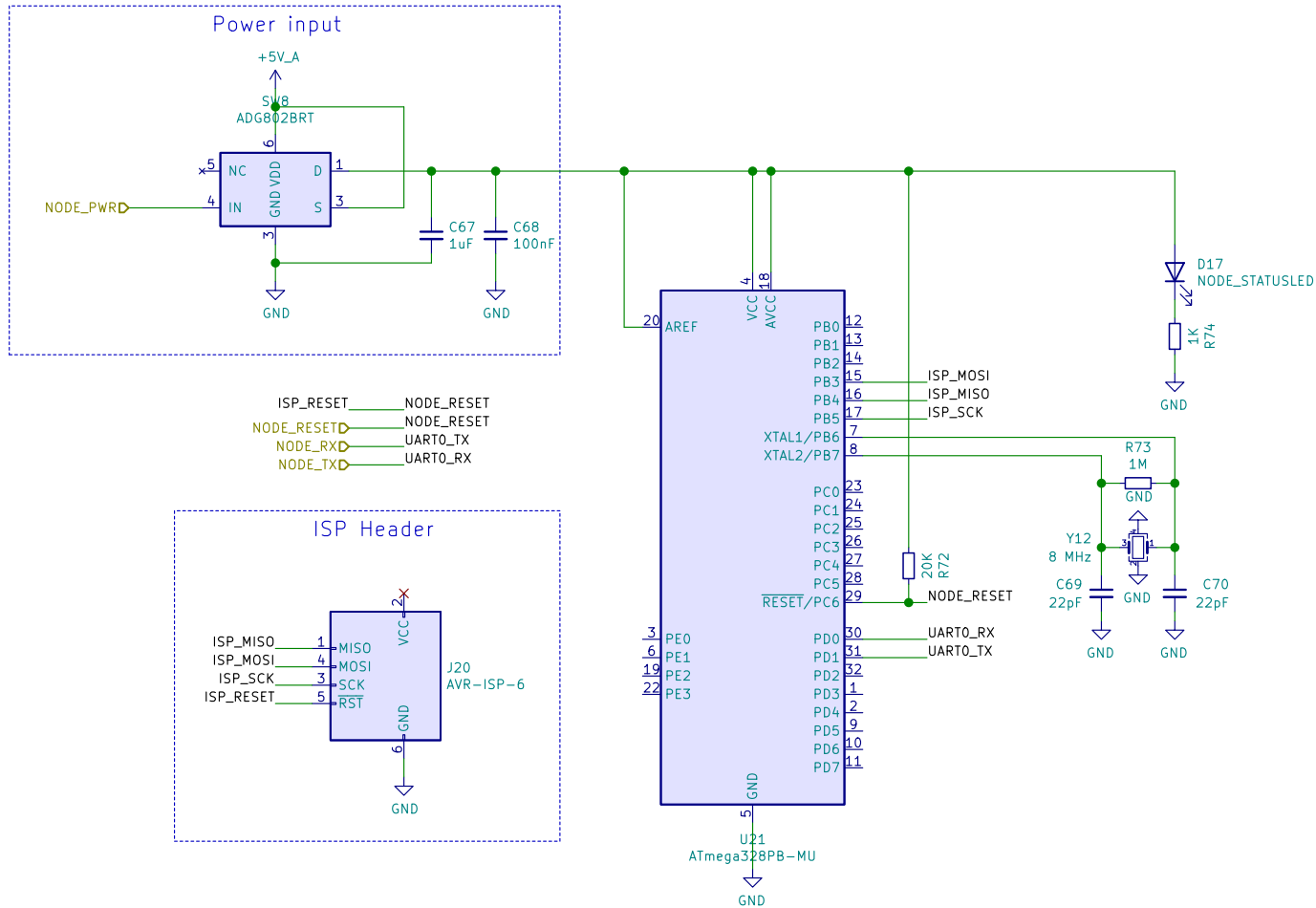
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KiCad E.D.A. kicad (5.1.8)-1

Rev: B2

Id: 8/18

MCU Node



Sakha Aerospace Systems, LLC

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File: ykts-mcu-node.sch

Title: YktSat Payload Module

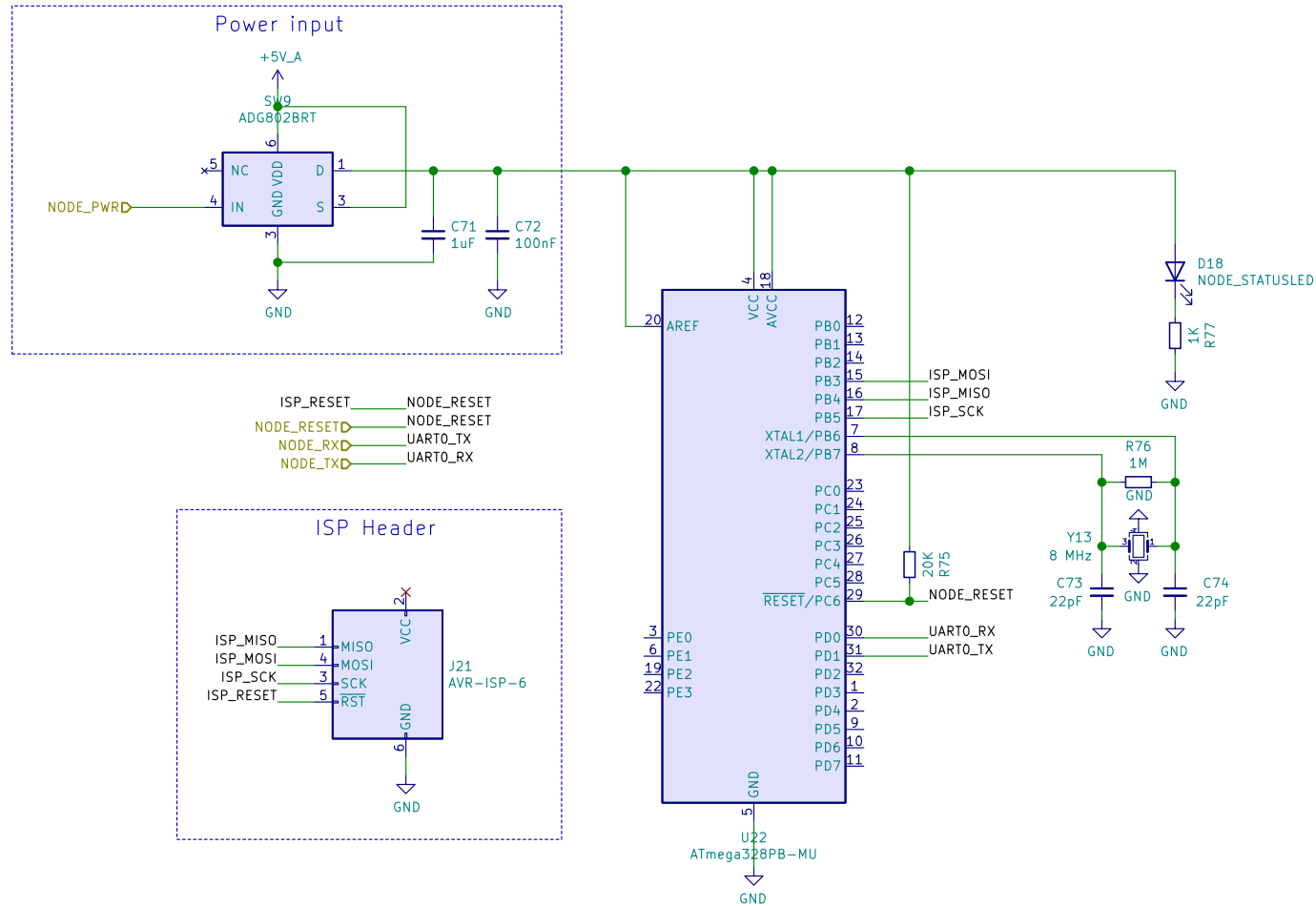
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KiCad E.D.A. kicad (5.1.8)-1

Rev: B2

Id: 10/18

MCU Node



Sakha Aerospace Systems, LLC

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Title: YktSat Payload Module

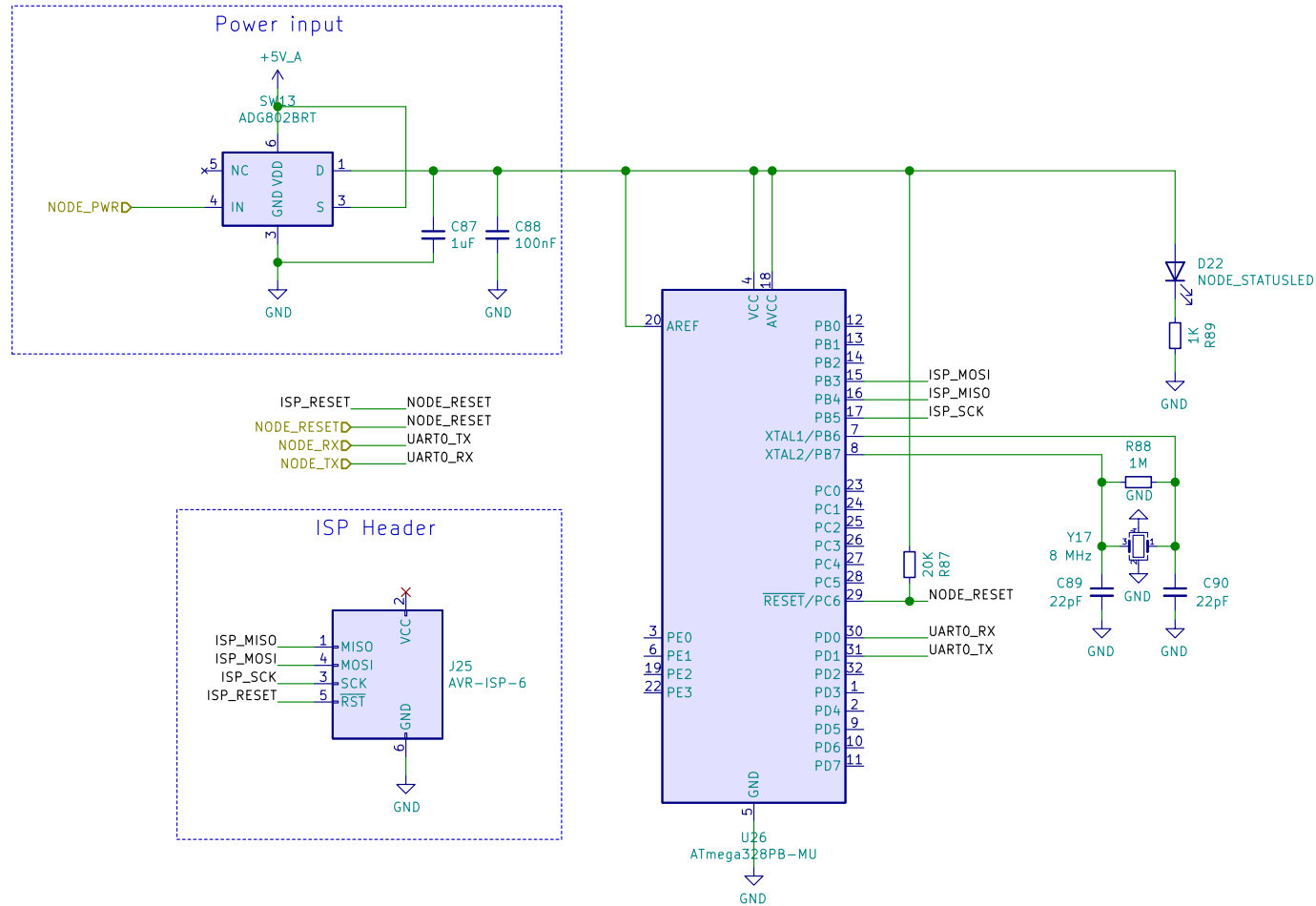
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KiCad E.D.A. kicad (5.1.8)-1

Rev: B2

Id: 11/18

MCU Node



Sakha Aerospace Systems, LLC

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File: ykts-mcu-node.sch

Title: YktSat Payload Module

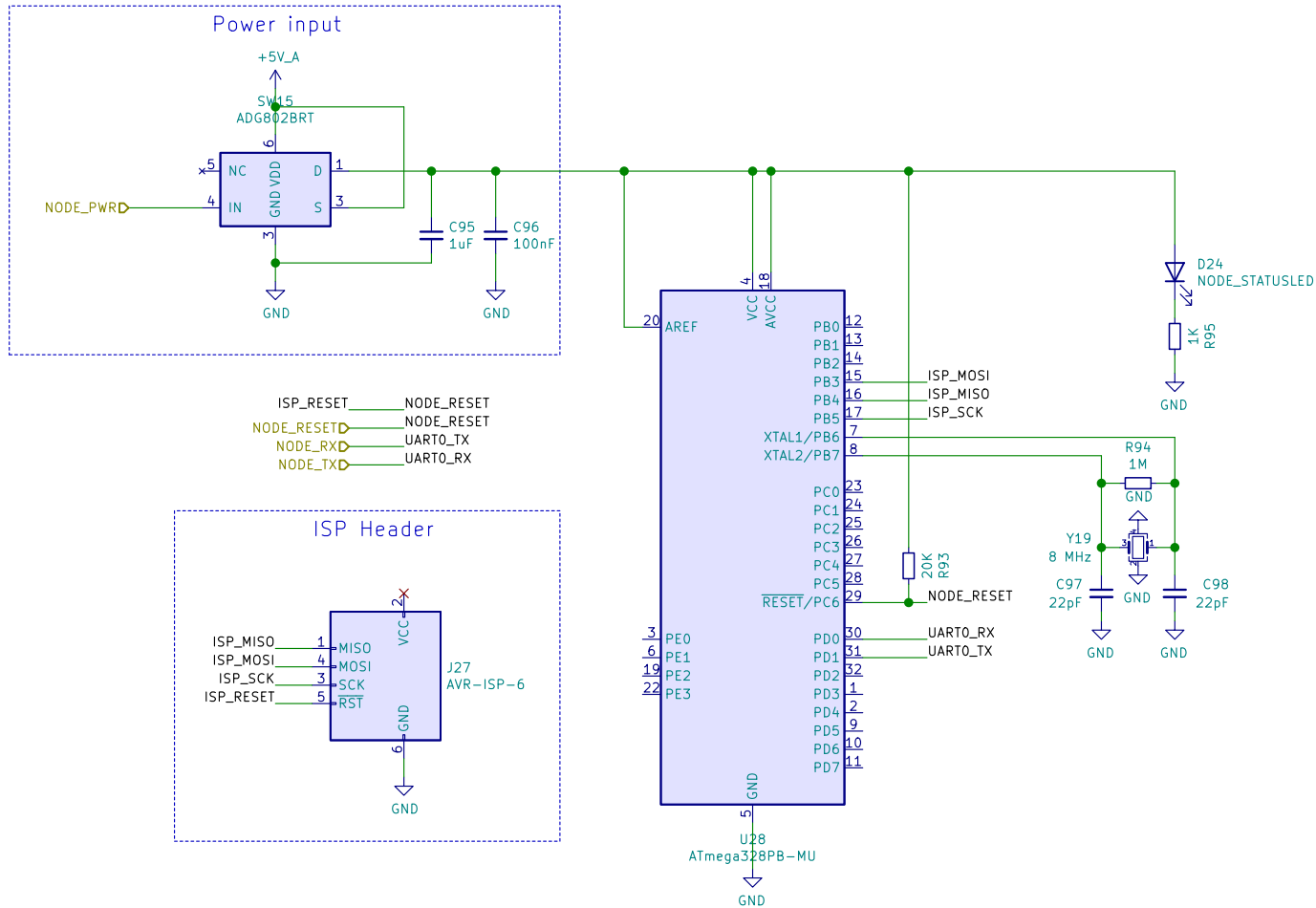
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KiCad E.D.A. kicad (5.1.8)-1

Rev: B2

Id: 15/18

MCU Node



Sakha Aerospace Systems, LLC

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Title: YktSat Payload Module

Size: A4 Date: 2021-10-27

KiCad E.D.A. kicad (5.1.8)-1

Rev: B2

Id: 17/18

