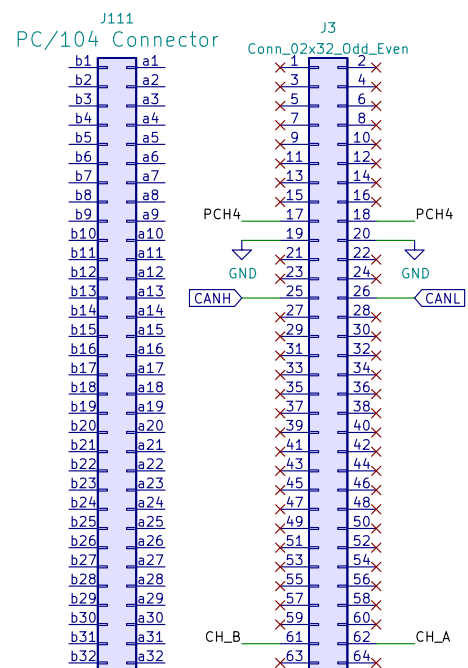
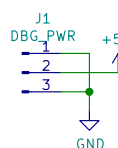


## Platform Bus

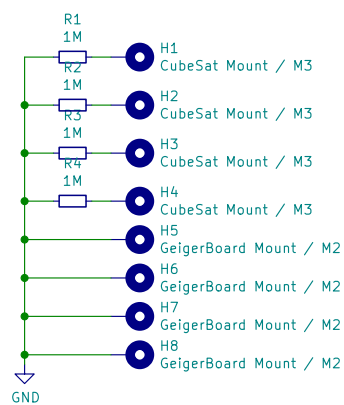


Note:  
Row B = odd  
Row A = even

## Debug Power

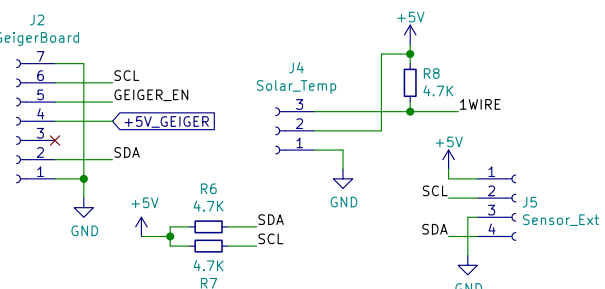


## Mounting Holes



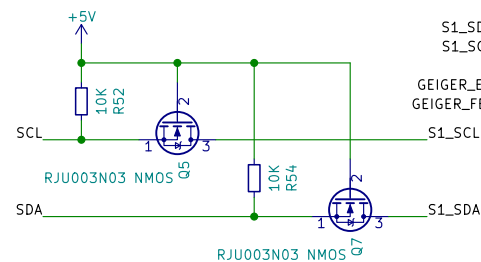
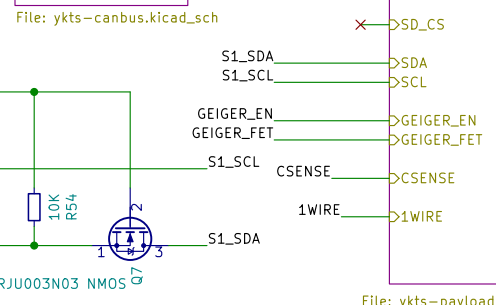
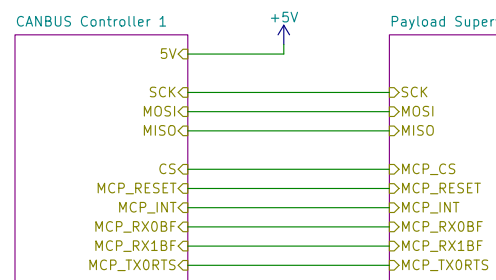
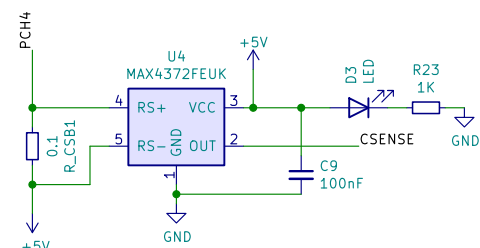
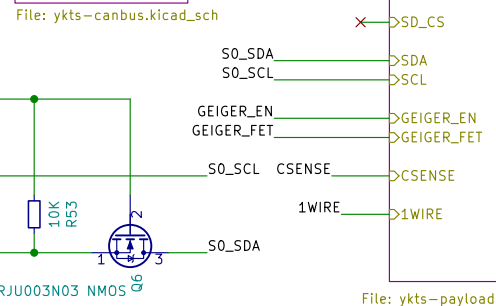
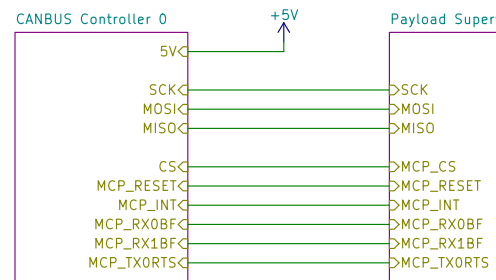
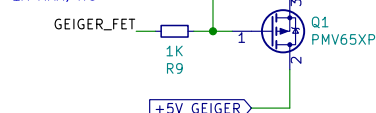
## Auxiliary Devices

Geiger board,  
DS18B20 sensors



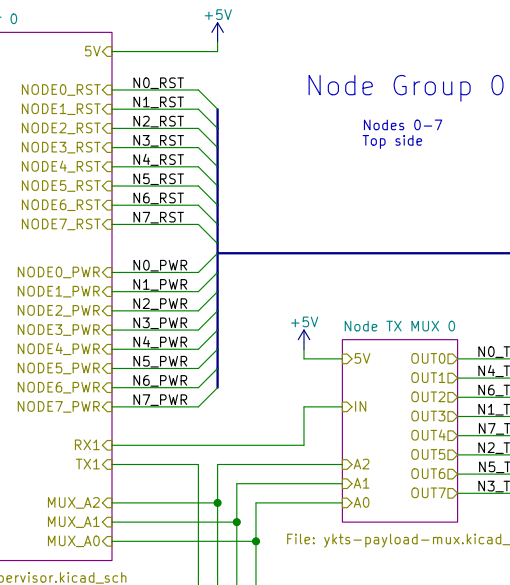
## Geiger power

P-channel MOSFET  
SOT-23 package  
1A MAX, NC



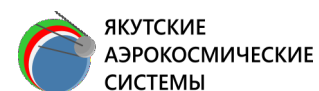
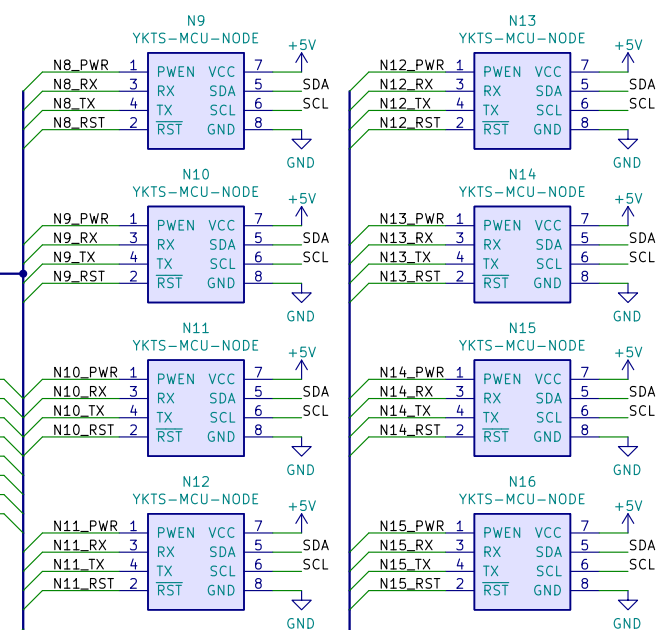
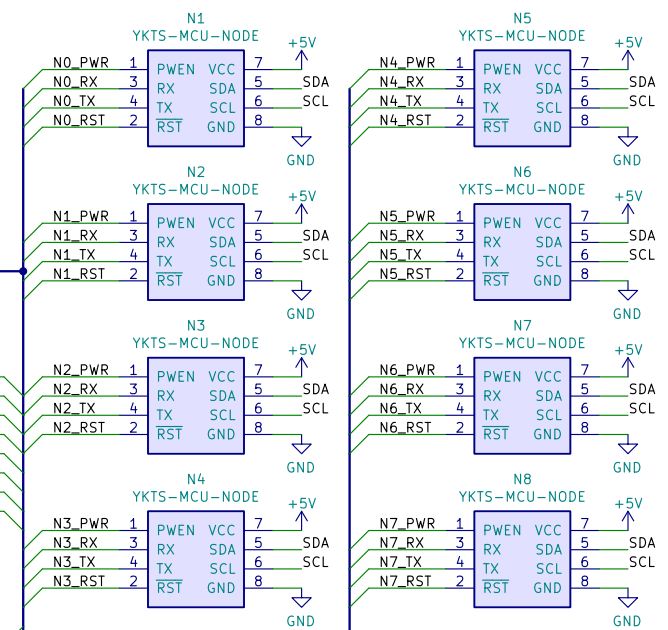
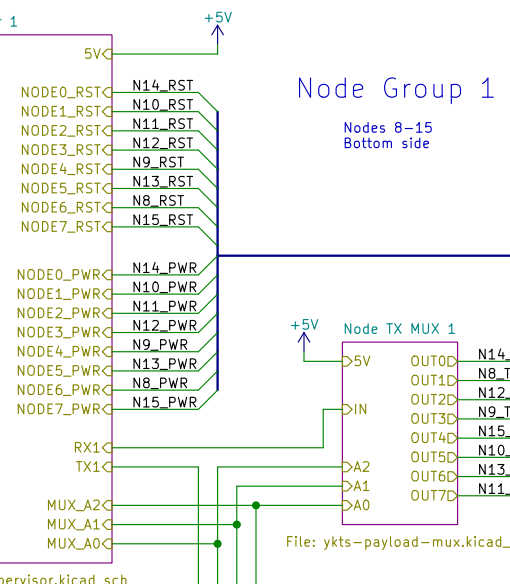
## Node Group 0

Nodes 0-7  
Top side



## Node Group 1

Nodes 8-15  
Bottom side



Sakha Aerospace Systems, LLC

Sheet: /

File: ykts-payload.kicad\_sch

**Title: YktSat Payload Module**

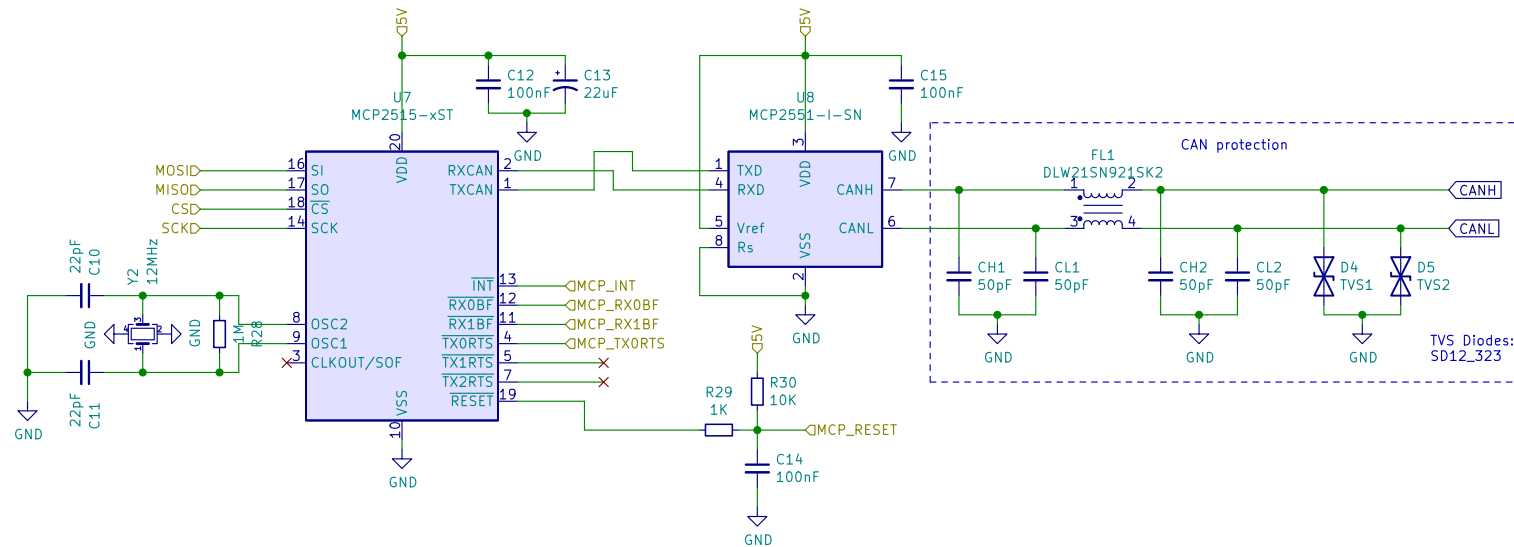
Size: A3 Date: 2021-12-07

KiCad E.D.A. kicad (6.0.0-rc1-310-gf24bdf4067)

Rev: D1

Id: 1/11

## CANBUS Controller



ЯКУТСКИЕ  
АЭРОКОСМИЧЕСКИЕ  
СИСТЕМЫ

Sakha Aerospace Systems, LLC

Sheet: /CANBUS Controller 0/

File: ykts-canbus.kicad\_sch

**Title: YktSat Payload Module**

Size: A4

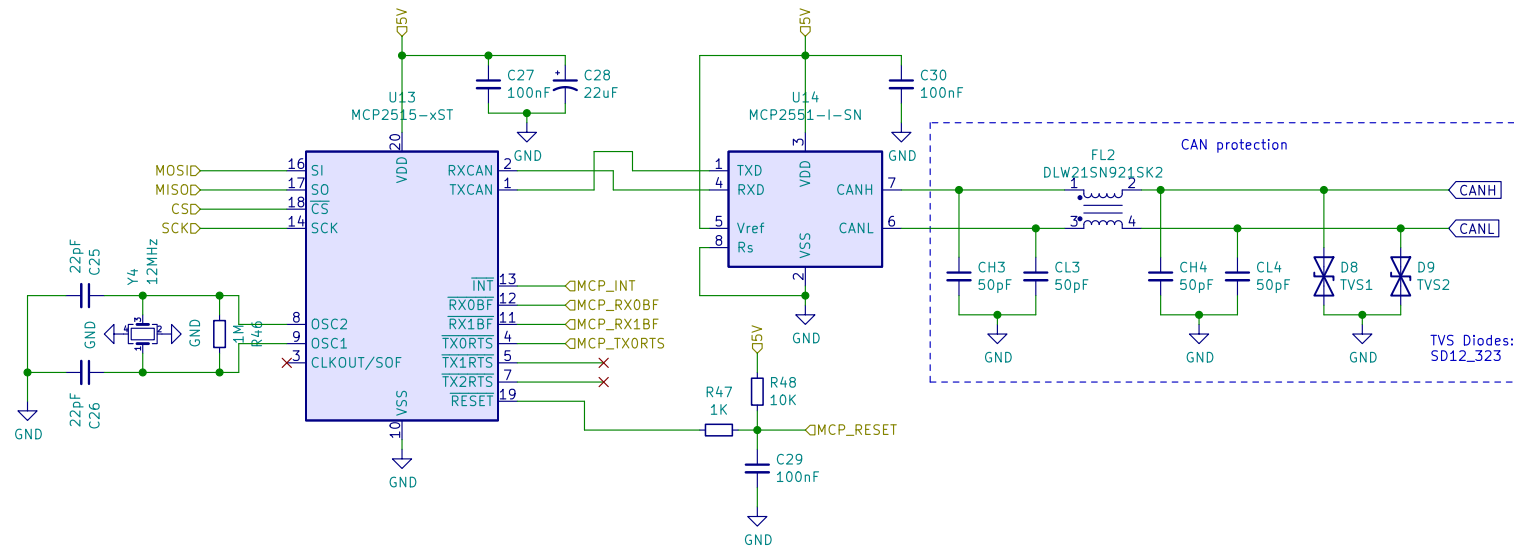
Date: 2021-12-07

KiCad E.D.A. kicad (6.0.0-rc1-310-gf24bdf4067)

Rev: D1

Id: 2/11

## CANBUS Controller



ЯКУТСКИЕ  
АЭРОКОСМИЧЕСКИЕ  
СИСТЕМЫ

Sakha Aerospace Systems, LLC

Sheet: /CANBUS Controller 1/

File: ykts-canbus.kicad\_sch

**Title: YktSat Payload Module**

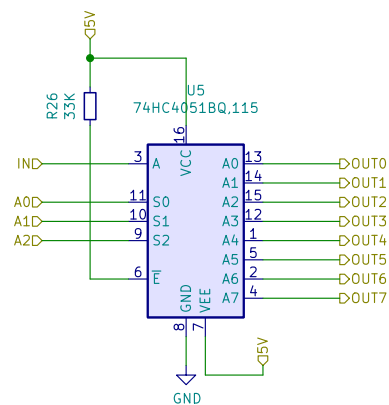
Size: A4

Date: 2021-12-07

KiCad E.D.A. kicad (6.0.0-rc1-310-gf24bdf4067)

Rev: D1

Id: 3/11



ЯКУТСКИЕ  
АЭРОКОСМИЧЕСКИЕ  
СИСТЕМЫ

**Sakha Aerospace Systems, LLC**

Sheet: /Node RX MUX 0/

File: ykts-payload-mux.kicad\_sch

**Title: YktSat Payload Module**

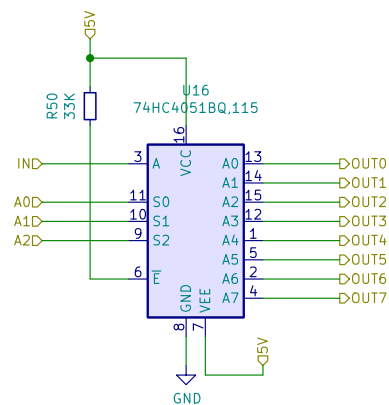
Size: A4

Date: 2021-12-07

**Rev: D1**

KiCad E.D.A. kicad (6.0.0-rc1-310-gf24bdf4067)

Id: 4/11



ЯКУТСКИЕ  
АЭРОКОСМИЧЕСКИЕ  
СИСТЕМЫ

**Sakha Aerospace Systems, LLC**

Sheet: /Node RX MUX 1/

File: ykts-payload-mux.kicad\_sch

**Title: YktSat Payload Module**

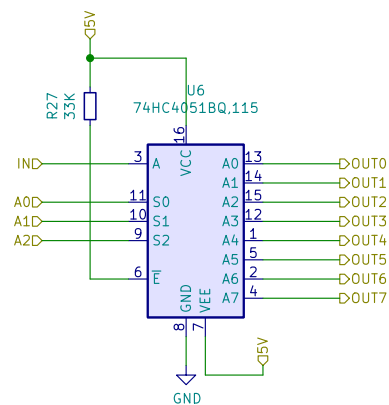
Size: A4

Date: 2021-12-07

Rev: D1

KiCad E.D.A. kicad (6.0.0-rc1-310-gf24bdf4067)

Id: 5/11



ЯКУТСКИЕ  
АЭРОКОСМИЧЕСКИЕ  
СИСТЕМЫ

**Sakha Aerospace Systems, LLC**

Sheet: /Node TX MUX 0/

File: ykts-payload-mux.kicad\_sch

**Title: YktSat Payload Module**

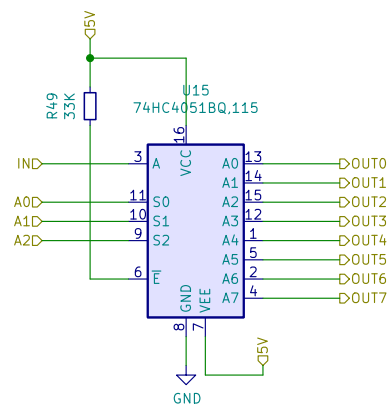
Size: A4

Date: 2021-12-07

**Rev: D1**

KiCad E.D.A. kicad (6.0.0-rc1-310-gf24bdf4067)

Id: 6/11



ЯКУТСКИЕ  
АЭРОКОСМИЧЕСКИЕ  
СИСТЕМЫ

**Sakha Aerospace Systems, LLC**

Sheet: /Node TX MUX 1/

File: ykts-payload-mux.kicad\_sch

**Title: YktSat Payload Module**

Size: A4

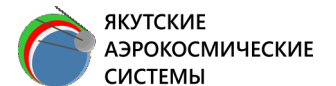
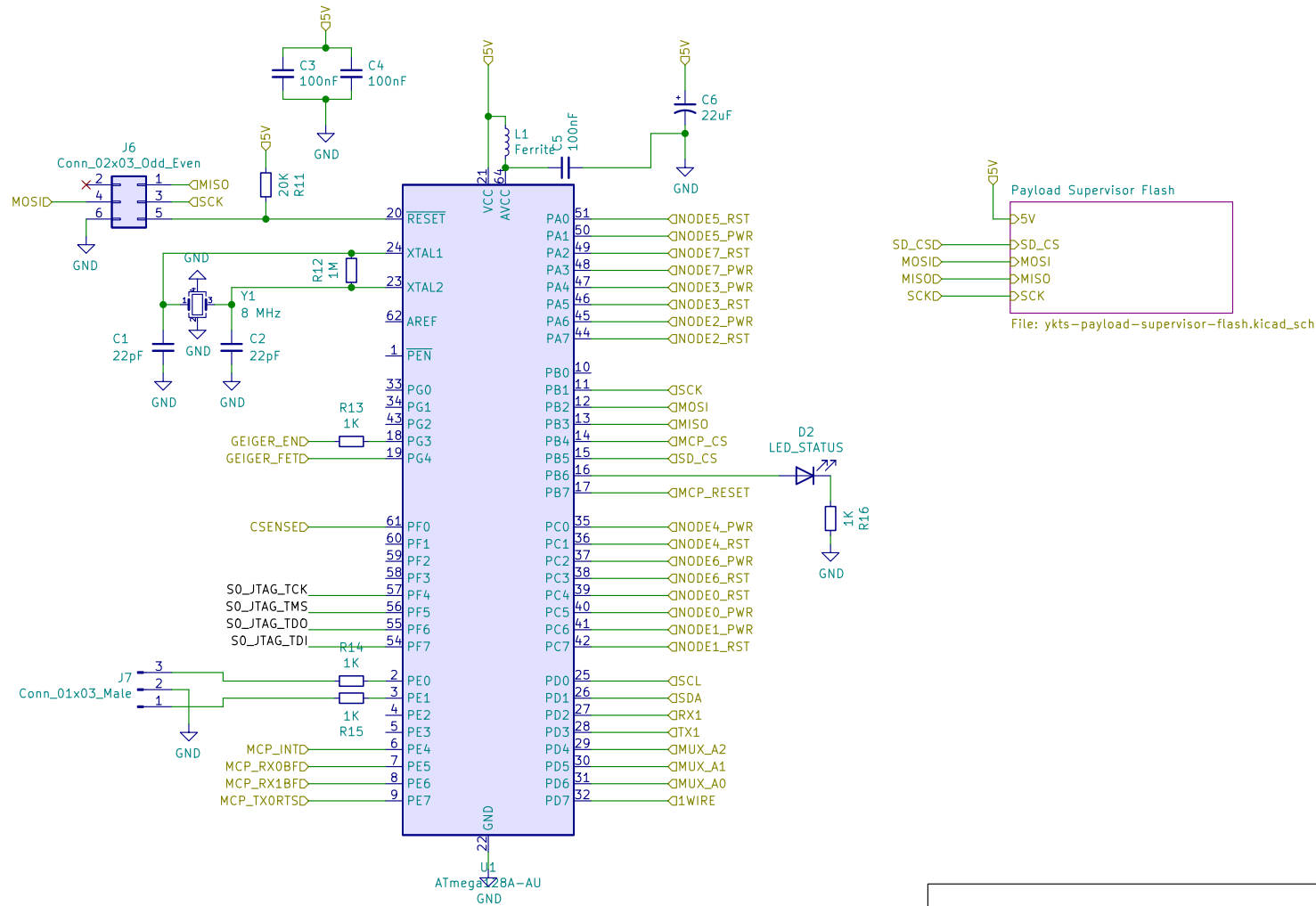
Date: 2021-12-07

**Rev: D1**

KiCad E.D.A. kicad (6.0.0-rc1-310-gf24bdf4067)

Id: 7/11

# Supervisor



**Sakha Aerospace Systems, LLC**

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File: ykts-payload-supervisor.kicad\_sch

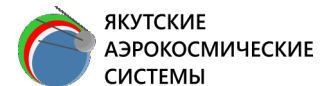
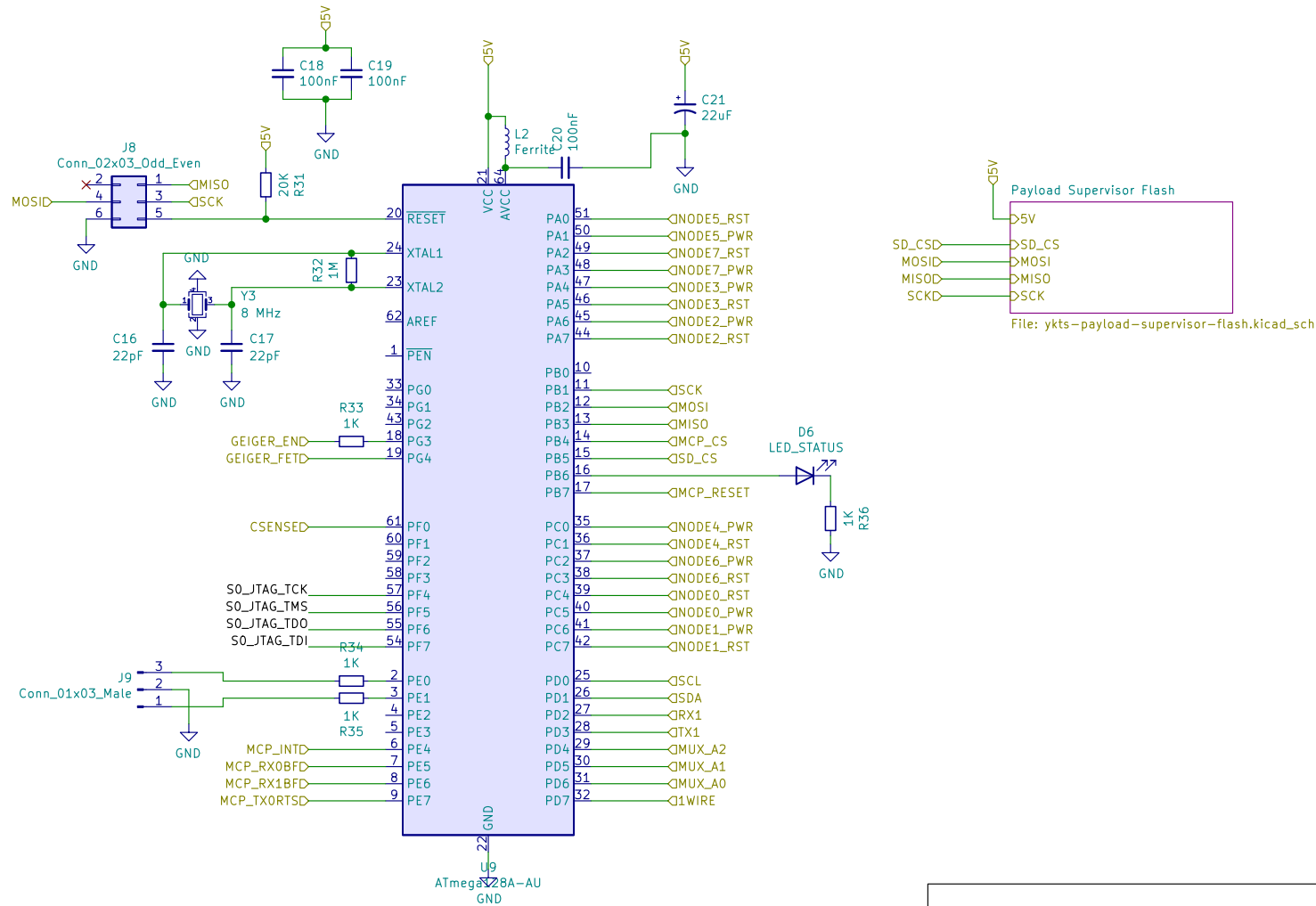
**Title: YktSat Payload Module**

Size: A4 Date: 2021-12-07  
KiCad E.D.A. kicad (6.0.0-rc1-310-gf24bdf4067)

**Rev: D1**  
Id: 10/11



# Supervisor



Sakha Aerospace Systems, LLC

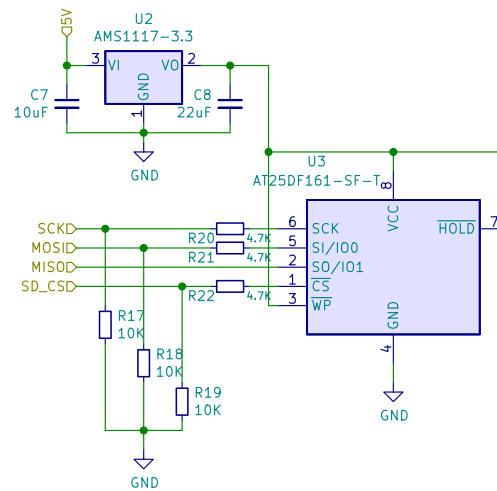
Sheet: /Payload Supervisor 1/  
File: ykts-payload-supervisor.kicad\_sch

**Title: YktSat Payload Module**

Size: A4 Date: 2021-12-07  
KiCad E.D.A. kicad (6.0.0-rc1-310-gf24bdf4067)

Rev: D1  
Id: 11/11

## SPI Flash



ЯКУТСКИЕ  
АЭРОКОСМИЧЕСКИЕ  
СИСТЕМЫ

**Sakha Aerospace Systems, LLC**

Sheet: /Payload Supervisor 0/Payload Supervisor Flash/  
File: ykts-payload-supervisor-flash.kicad\_sch

**Title: YktSat Payload Module**

Size: A4

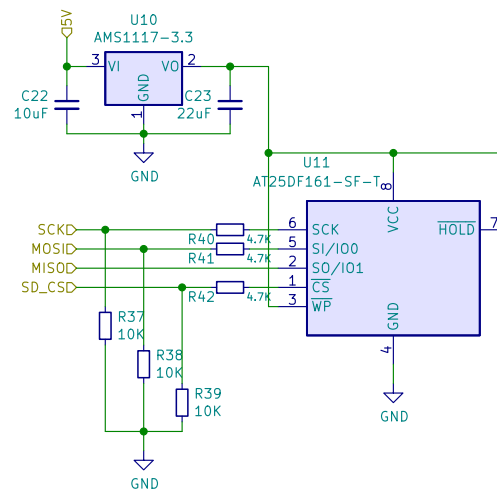
Date: 2021-12-07

Rev: D1

KiCad E.D.A. kicad (6.0.0-rc1-310-gf24bdf4067)

Id: 13/11

## SPI Flash



ЯКУТСКИЕ  
АЭРОКОСМИЧЕСКИЕ  
СИСТЕМЫ

**Sakha Aerospace Systems, LLC**

Sheet: /Payload Supervisor 1/Payload Supervisor Flash/  
File: ykts-payload-supervisor-flash.kicad\_sch

**Title: YktSat Payload Module**

Size: A4

Date: 2021-12-07

Rev: D1

KiCad E.D.A. kicad (6.0.0-rc1-310-gf24bdf4067)

Id: 13/11