

Derek Konigsberg

Dektronics, Inc.

Sheet: /

File: main-board.kicad_sch

Title: Printalyzer – Main Board

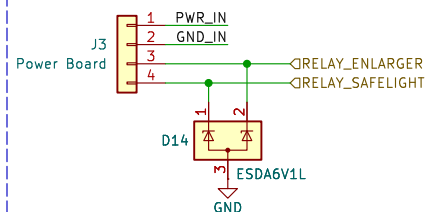
Size: USLetter Date: 2024-06-12

KiCad E.D.A. 8.0.3

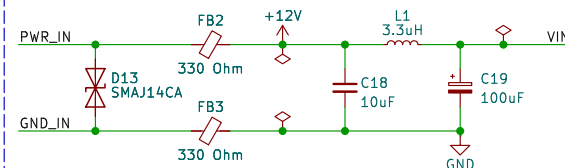
Rev: E

Id: 1/4

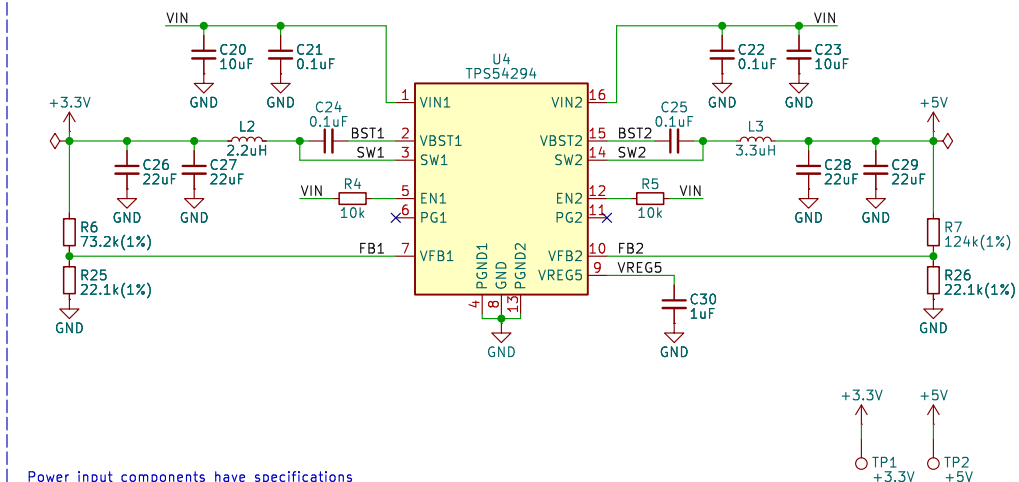
Power Entry



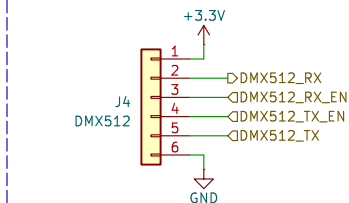
Power Entry & EMI Filter



Logic Power Regulation



DMX512 Port Connector



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Sheet: /Power Supply and Control/

File: main-board-power.kicad_sch

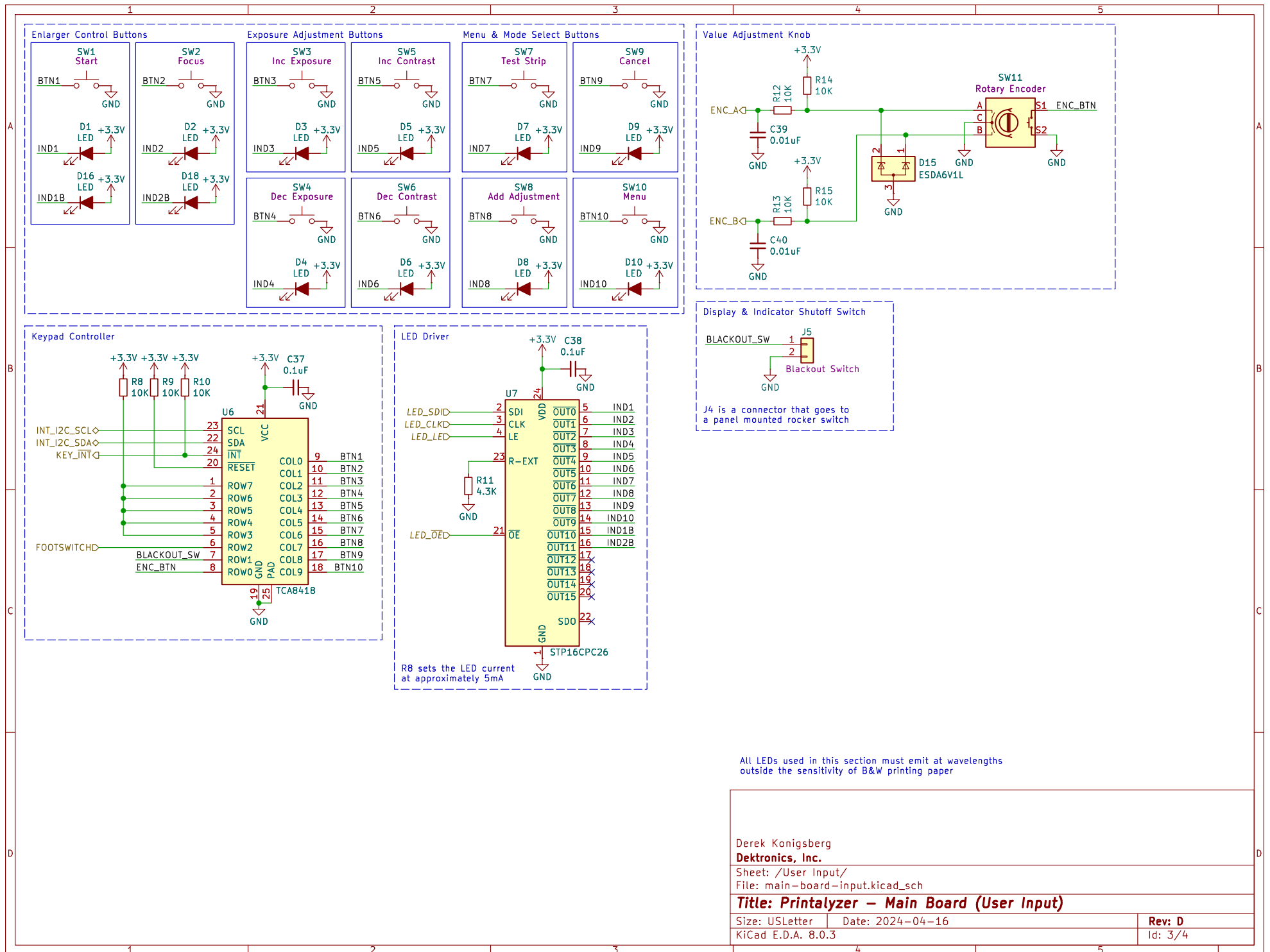
Title: Printalyzer – Main Board (Power Supply and Control)

Size: USLetter Date: 2024-04-16

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Rev: D

Id: 2/4



Derek Konigsberg

Dektronics, Inc.

Sheet: /User Input/

File: main-board-input.kicad_sch

Title: Printalyzer – Main Board (User Input)

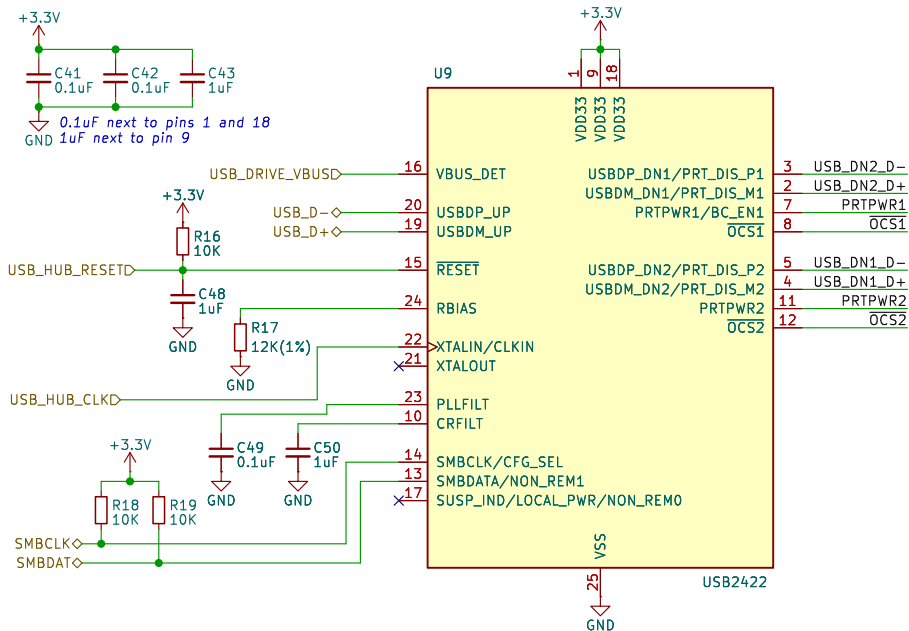
Size: USLetter Date: 2024-04-16

KiCad E.D.A. 8.0.3

Rev: D

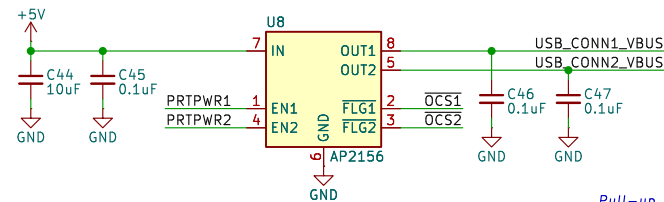
Id: 3/4

USB Hub Controller



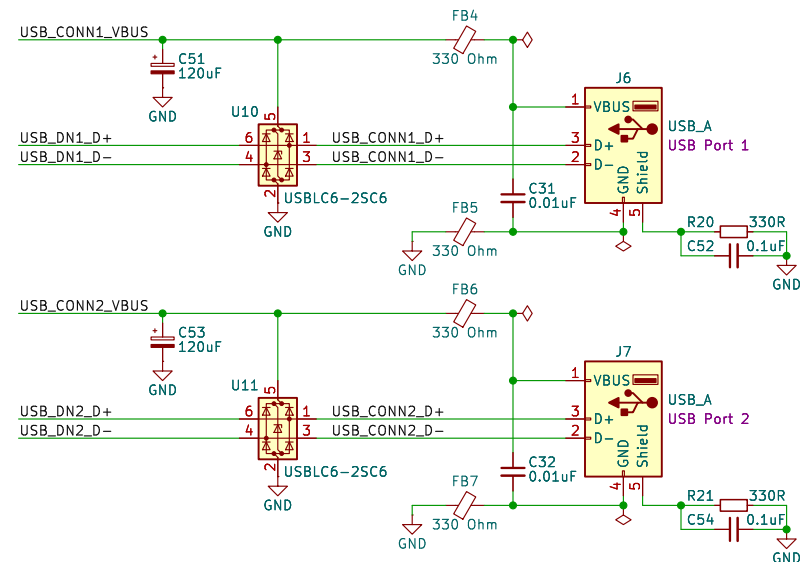
The upstream and downstream data pins are intentionally swapped for routing reasons. The PRTSP register must be configured on the USB2422 to accommodate this.

USB Power Control

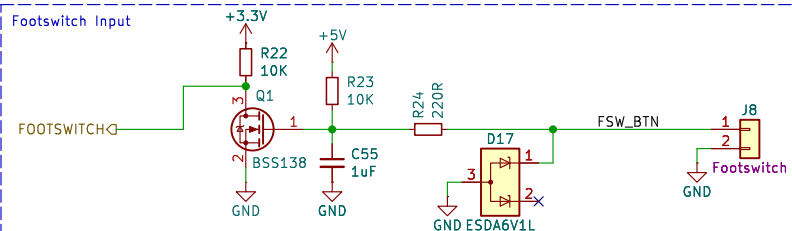


Pull-up resistors for control pins are included within the USB2422

External USB Ports



Footswitch Input



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Sheet: /Front External Connections/
File: main-board-front.kicad_sch

Title: Printalyzer – Main Board (Front External Connections)

Size: USLetter Date: 2024-04-16
KiCad E.D.A. 8.0.3

Rev: D
Id: 4/4

Follow datasheet layout guidance for all ESD suppression components