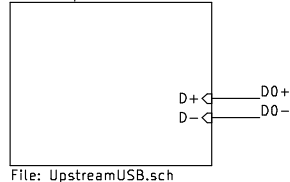
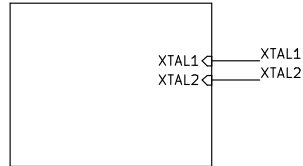


Sheet: Upstream USB



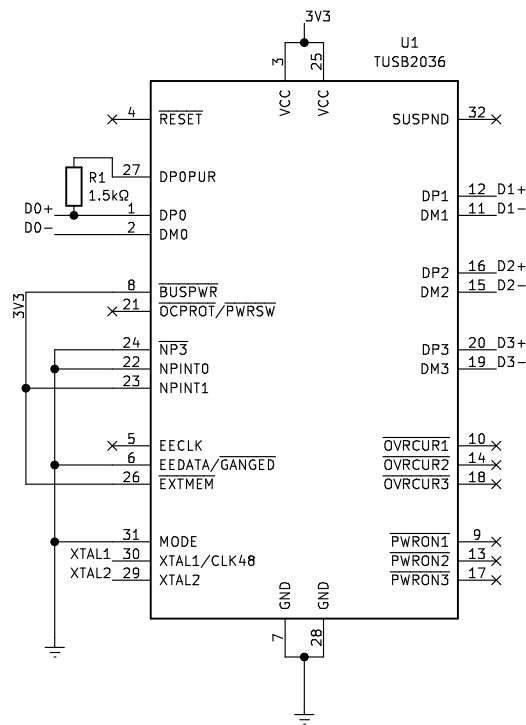
File: UpstreamUSB.sch

Sheet: Clock

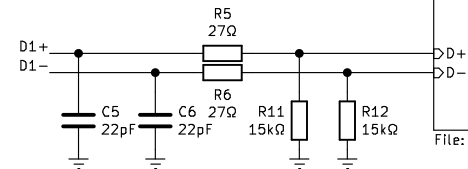


File: Clock.sch

See USB2036 Datasheet  
9.2.2 Detailed Design Procedure

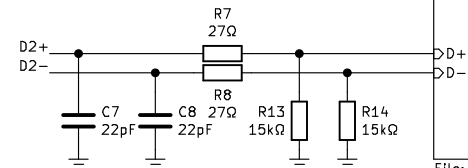


Sheet: CAT Control



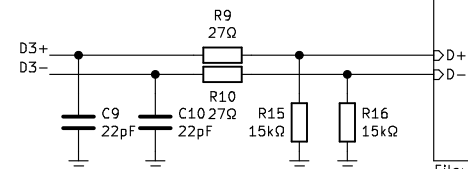
File: CatControl.sch

Sheet: Audio Interface

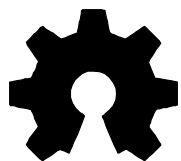


File: AudioInterface.sch

Sheet: Downstream USB



File: DownstreamUSB.sch



- FID1  
Fiducial
- FID2  
Fiducial
- FID3  
Fiducial

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**Chris Keller KOSWE**

Sheet: /

File: tx500-data.sch

**Title: TX-500 Data Interface**

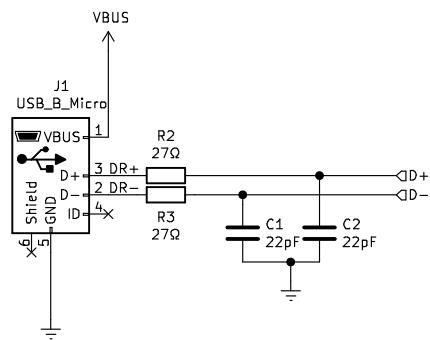
Size: USLetter Date: 2021-03-15

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**Rev: 0.1**

Id: 1/6

See TUSB2036 Datasheet  
9.2.2 Detailed Design Procedure



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**Chris Keller KOSWE**

Sheet: /Upstream USB/

File: UpstreamUSB.sch

**Title: TX-500 Data Interface**

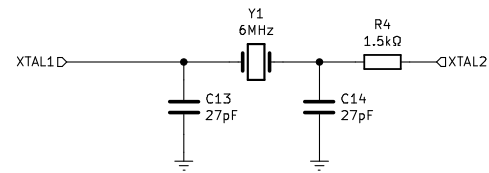
Size: USLetter Date: 2021-03-15

KiCad E.D.A. kicad 5.1.9

**Rev: 0.1**

Id: 2/6

See TUSB2036 datasheet  
8.3.2 Clock Generation



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Sheet: /Clock/

File: Clock.sch

**Title: TX-500 Data Interface**

Size: A4

Date: 2021-03-15

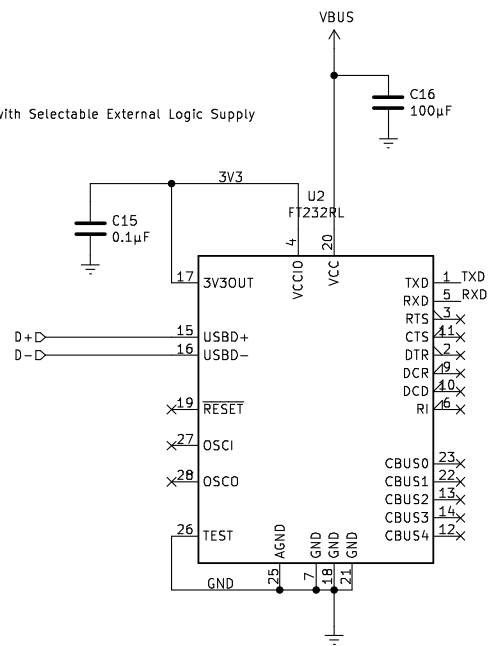
**Rev: 0.1**

KiCad E.D.A. kicad 5.1.9

Id: 3/6

Id: 4/6

See FT232R datasheet  
6.4 USB Bus Powered with Selectable External Logic Supply



See TX-500 adapters  
CAT-USB adapter

GND\_1  
TXD\_2  
RXD\_3  
3V3\_4

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Chris Keller K0SWE

Sheet: /CAT Control/

File: CatControl.sch

**Title: TX-500 Data Interface**

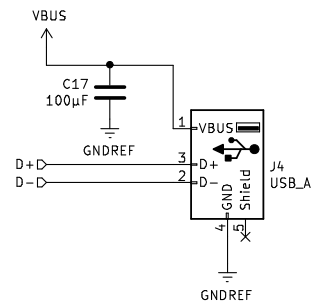
Size: A4 Date: 2021-03-15

KiCad E.D.A. kicad 5.1.9

**Rev: 0.1**

Id: 5/6

See TUSB2036 datasheet  
9.2.2 Detailed Design Procedure



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**Chris Keller K0SWE**

Sheet: /Downstream USB/

File: DownstreamUSB.sch

**Title: TX-500 Data Interface**

Size: A4 Date: 2021-03-15

KiCad E.D.A. kicad 5.1.9

**Rev: 0.1**

Id: 6/6