

Designator
2_hub.SchDoc

FLT_DN1_N
EN_DN1
FLT_DN2_N
EN_DN2
FLT_DN3_N
EN_DN3
FLT_DN4_N
EN_DN4

DN4_SSRX_N
DN4_SSTX_N
DN4_SSTX_P
DN4_SSRX_P
DN4_D_N
DN4_D_P

DN3_SSRX_N
DN3_SSTX_N
DN3_SSTX_P
DN3_SSRX_P
DN3_D_N
DN3_D_P

DN2_SSTX_N
DN2_SSRX_N
DN2_SSTX_P
DN2_SSRX_P
DN2_D_N
DN2_D_P

DN1_SSTX_N
DN1_SSRX_N
DN1_SSRX_P
DN1_SSTX_P
DN1_D_N
DN1_D_P

UP_SSRX_N
UP_SSTX_P
UP_SSTX_N
UP_SSRX_P
UP_D_P
UP_D_N

Designator
4_downstream_power.SchDoc

FLT_PORT3_N
EN_PORT3
FLT_PORT2_N
EN_PORT2
FLT_PORT1_N
EN_PORT1

P1_SSRX_N
P1_SSTX_N
P1_SSTX_P
P1_SSRX_P
P1_D_P
P1_D_N

P2_SSRX_N
P2_SSTX_N
P2_SSTX_P
P2_SSRX_P
P2_D_P
P2_D_N

P3_SSTX_N
P3_SSRX_N
P3_SSTX_P
P3_SSRX_P
P3_D_P
P3_D_N

Designator
3_downstream_con.SchDoc

Designator
7_kbd.SchDoc

MCU_D_N
MCU_D_P

Designator
6_upstream_con.SchDoc

UP_SSRX_P
UP_SSTX_N
UP_SSTX_P
UP_SSRX_N
UP_D_P
UP_D_N

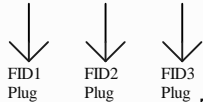
VBUS_OUT_PORT1
VBUS_OUT_PORT2
VBUS_OUT_PORT3

VBUS_CON1
VBUS_CON2
VBUS_CON3

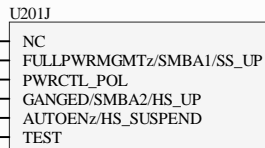
Designator
5_power_supply.SchDoc

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Date:	2020-03-17	Sheet of
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Fiducials

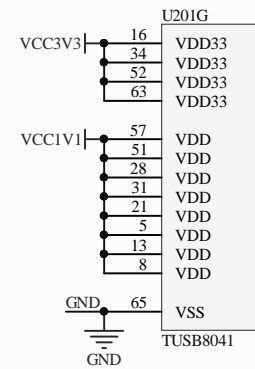
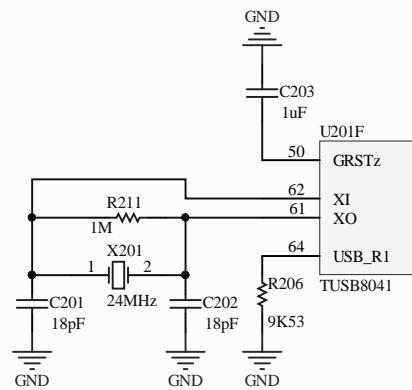
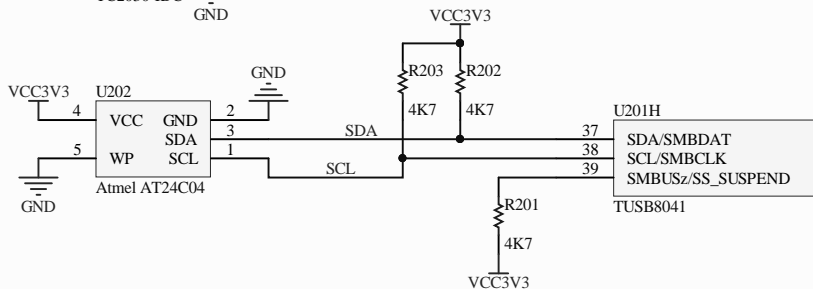
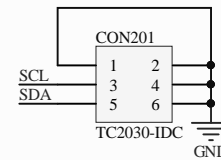
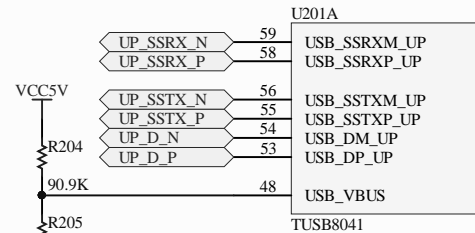
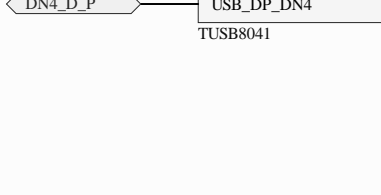
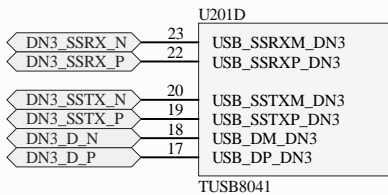
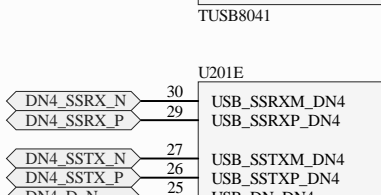
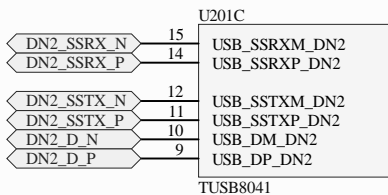
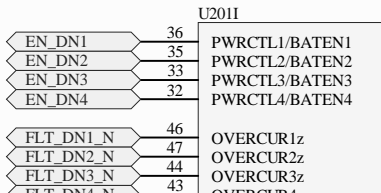
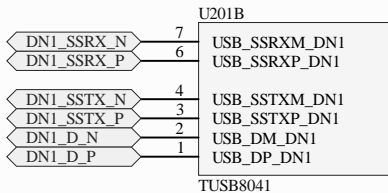
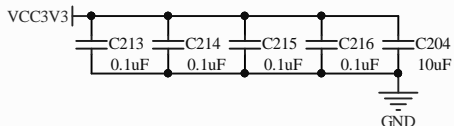
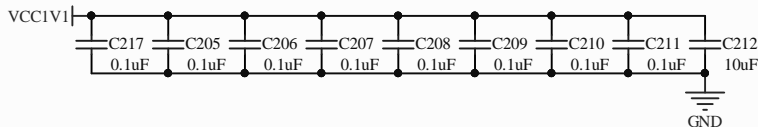
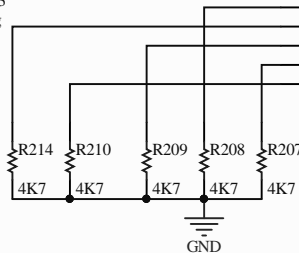


USB3 Hub



TUSB8041

If using TPS2553, do not mount R214



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A

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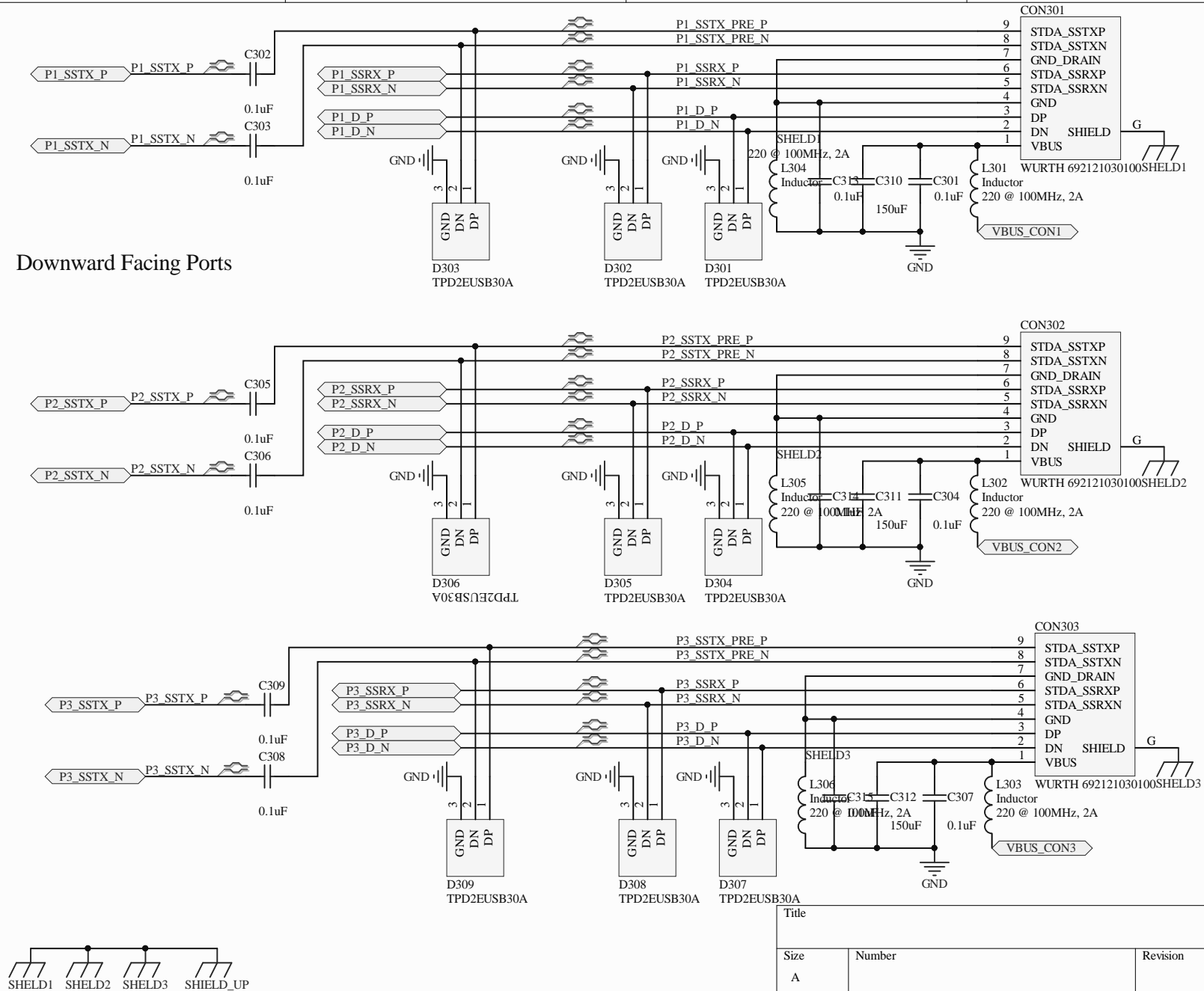
A

B

C

D

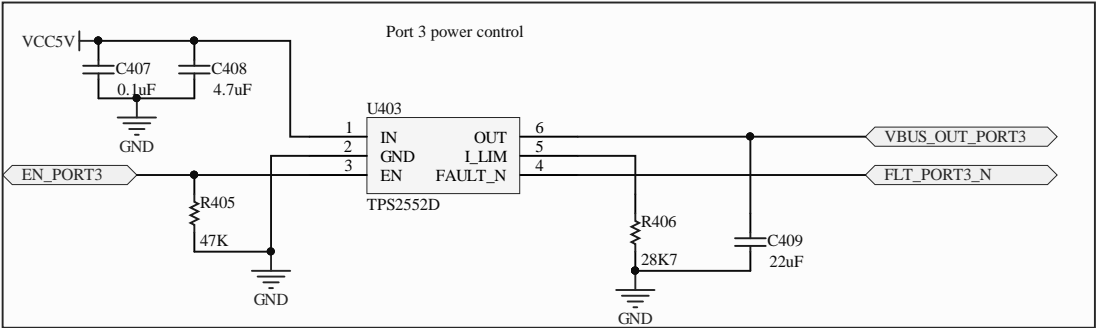
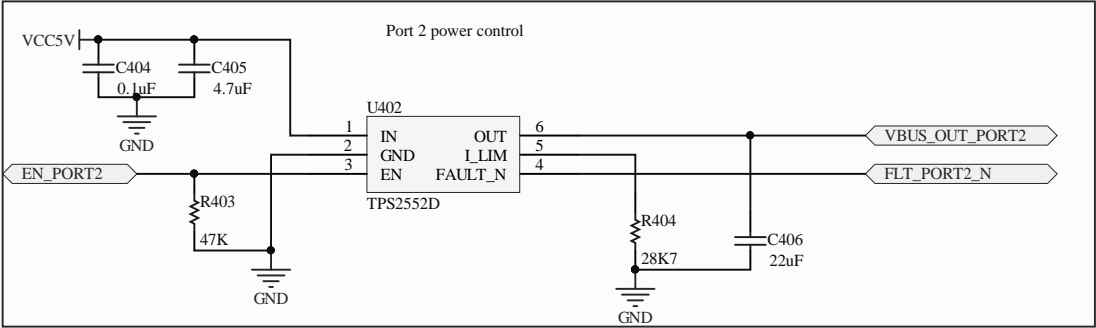
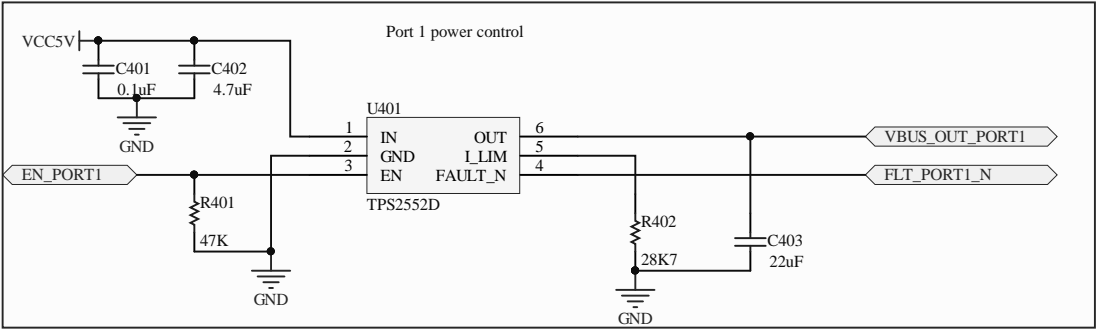
Downward Facing Ports



Title		
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Downward Facing Power Control

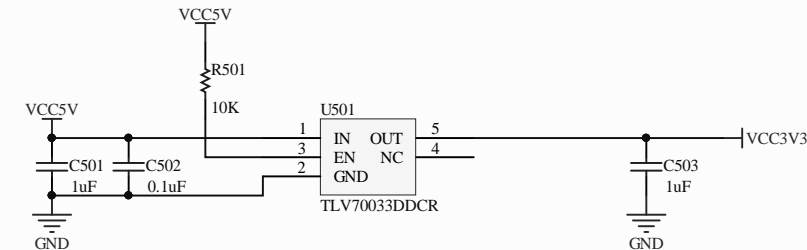
28,7 k Resistors gives 900mA limitation, per port



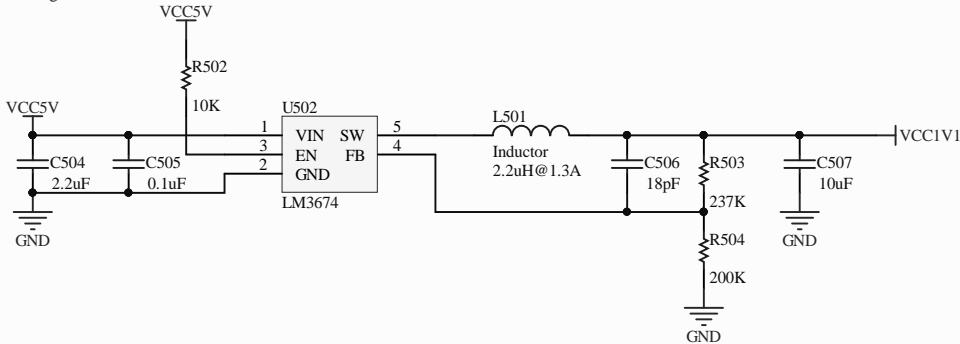
Title		
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Hub Power Supply

3.3V Regulator



1.1V Regulator



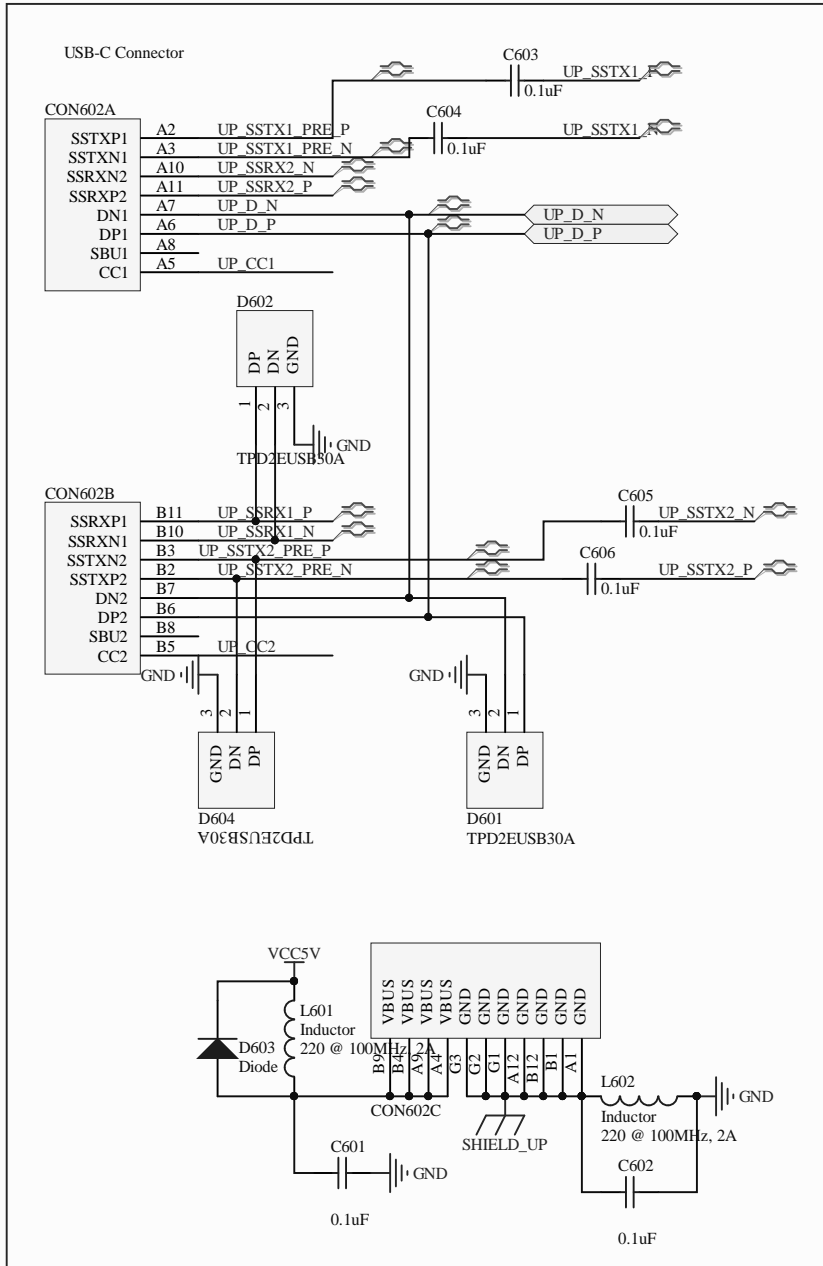
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A

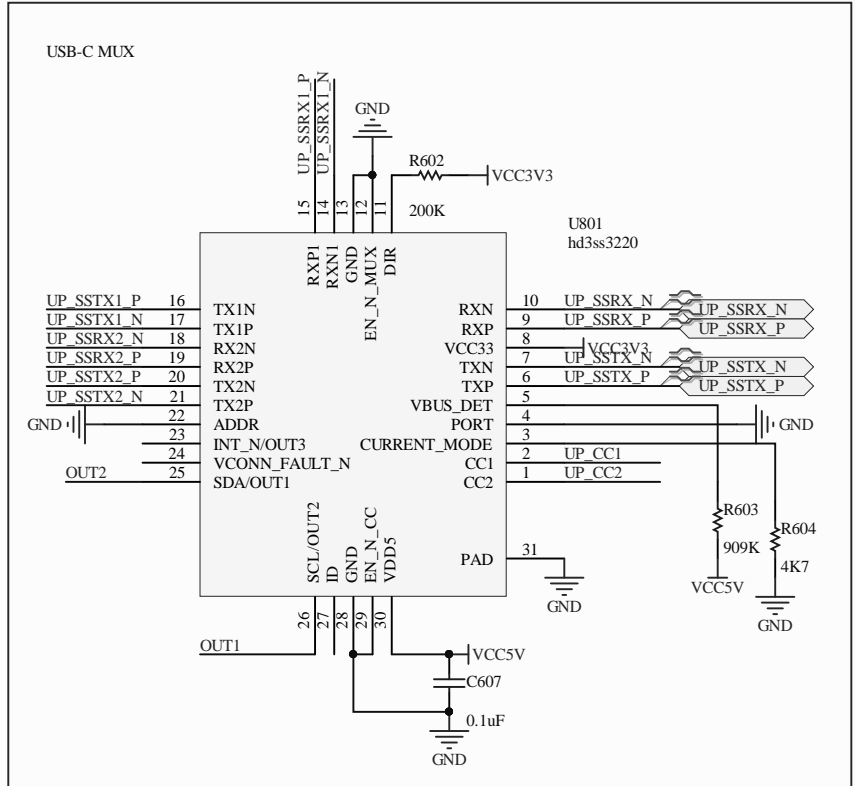
B

C

D



Upwards Facing Port



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Size	Number	Revision
A		
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A

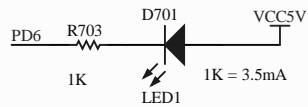
B

C

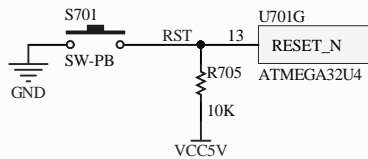
D

HHKB Keyboard Controller

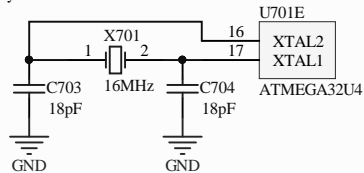
LED to indicate DFU



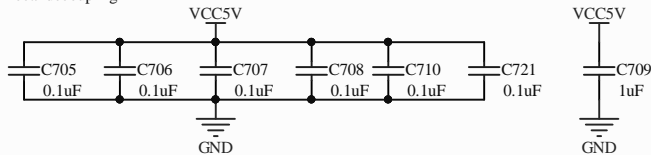
Button to enter DFU



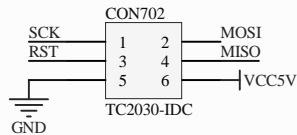
Crystal



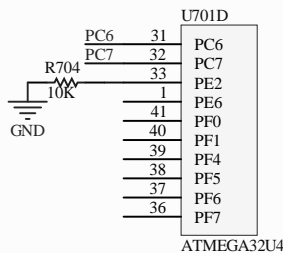
Local decoupling



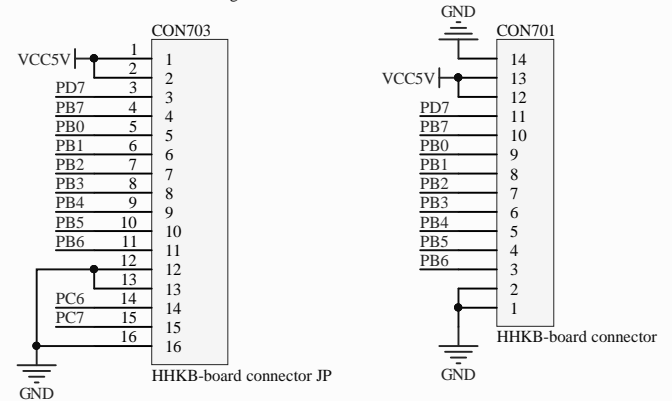
ICSP Header



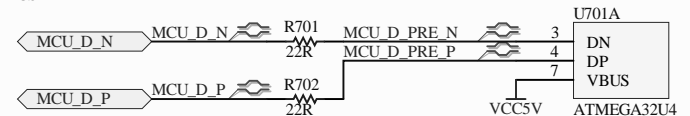
PORT D



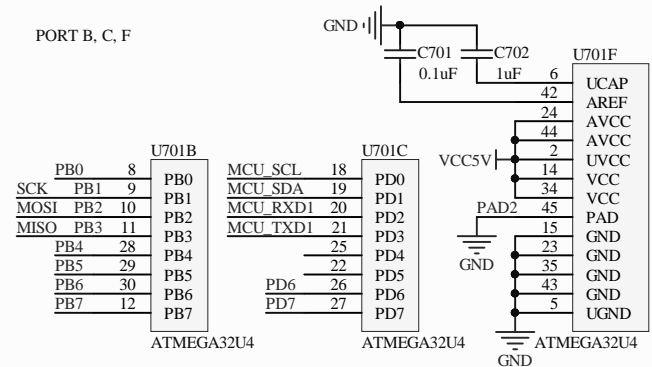
HHKB Daughter board connectors



USB



PORT B, C, F



Title

Size

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