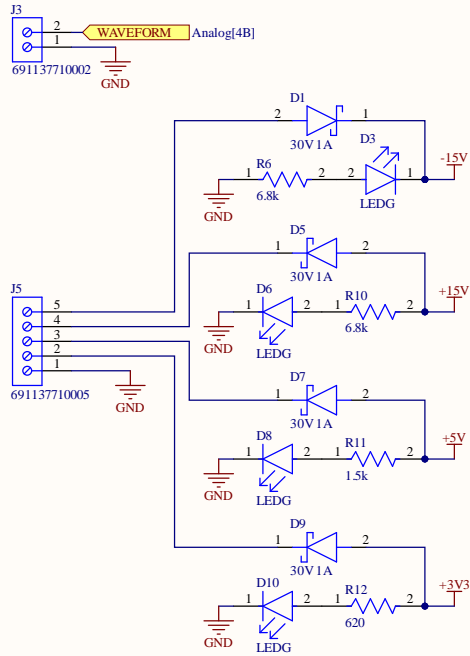
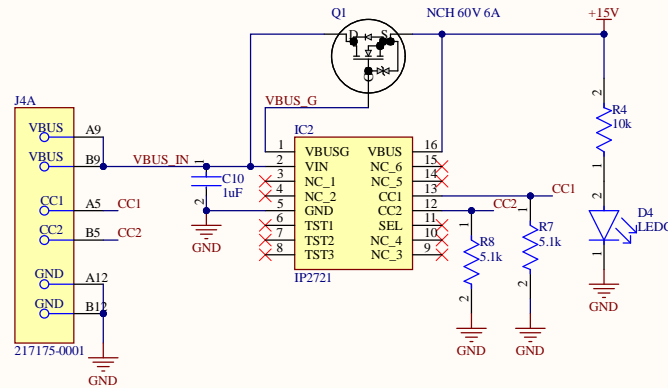


Title		
Size	Number	Revision
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Date:	10/31/2025	Sheet of
File:	C:\Users\...\Digital.SchDoc	Drawn By:

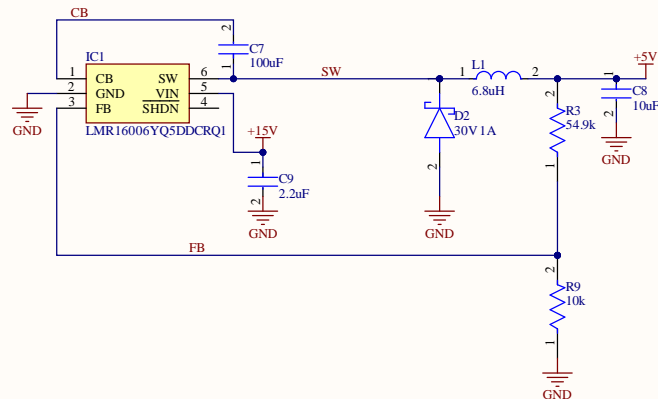
## Output Terminals



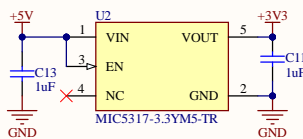
## USBC PD



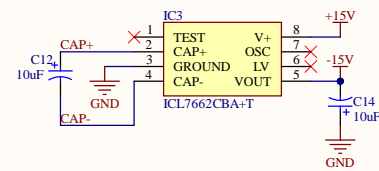
## Buck Converter 15V to 5V



## LDO 5V to 3V3

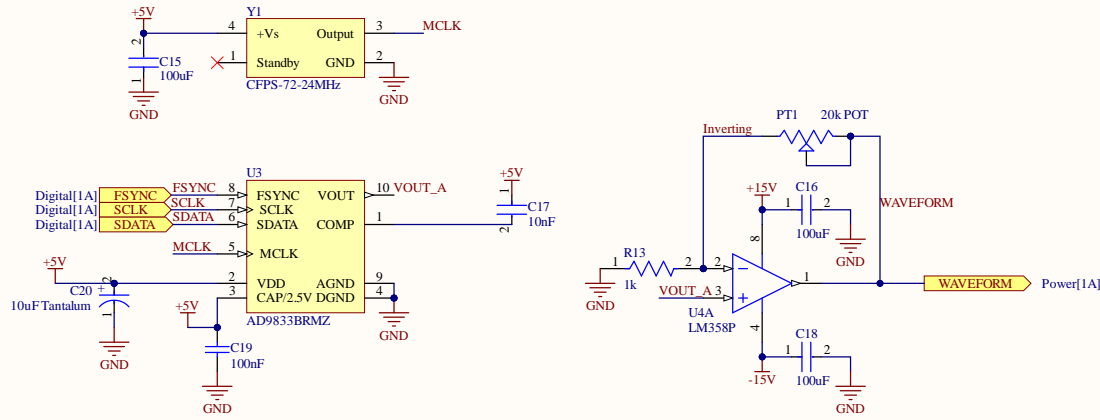


## Charge Pump 15V to -15V



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File:	C:\Users\...\Power.SchDoc	Drawn By:

## Waveform Generator



Title		
Size B	Number	Revision
Date:	10/31/2025	Sheet of
File:	C:\Users\...\Analog.SchDoc	Drawn By:

Digital

-15V  
+15V  
+5V  
+3V3  
GND

Analog

WAVE  
GND

STLINK

+3V3  
SWCLOCK  
SWDIO  
NRST  
GND

+3V3 CS1B RES A0 SCL SI GND NC

SINE

TRIANGLE

SQUARE

SAWTOOTH

FREQUENCY | PHASE

VOLTAGE

ENC1

PT1

J3

J5

J2

U4

U3

U1

C18

Y1

U2

IC2

IC3

R9

IC1

R3

C9

D2

L1

C13

C10

Q1

R7

R4

R8

D4

D1

D5

D7

D9

R10

R11

R12

D3

D6

D8

D10

C2

C1

C3

C5

C6

R2

C16

C2

C13

C10

Q1

C10

D2

C9

R3

IC1

C7

J4

IC2

L1

C8

C10

Q1

C10

C13

C10

Q1

C10

C10

C10

C10

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