

A

A

B

B

C

C

D

D



Layout instructions are in PURPLE
 Design remarks are in GREEN
 TODOs are in RED



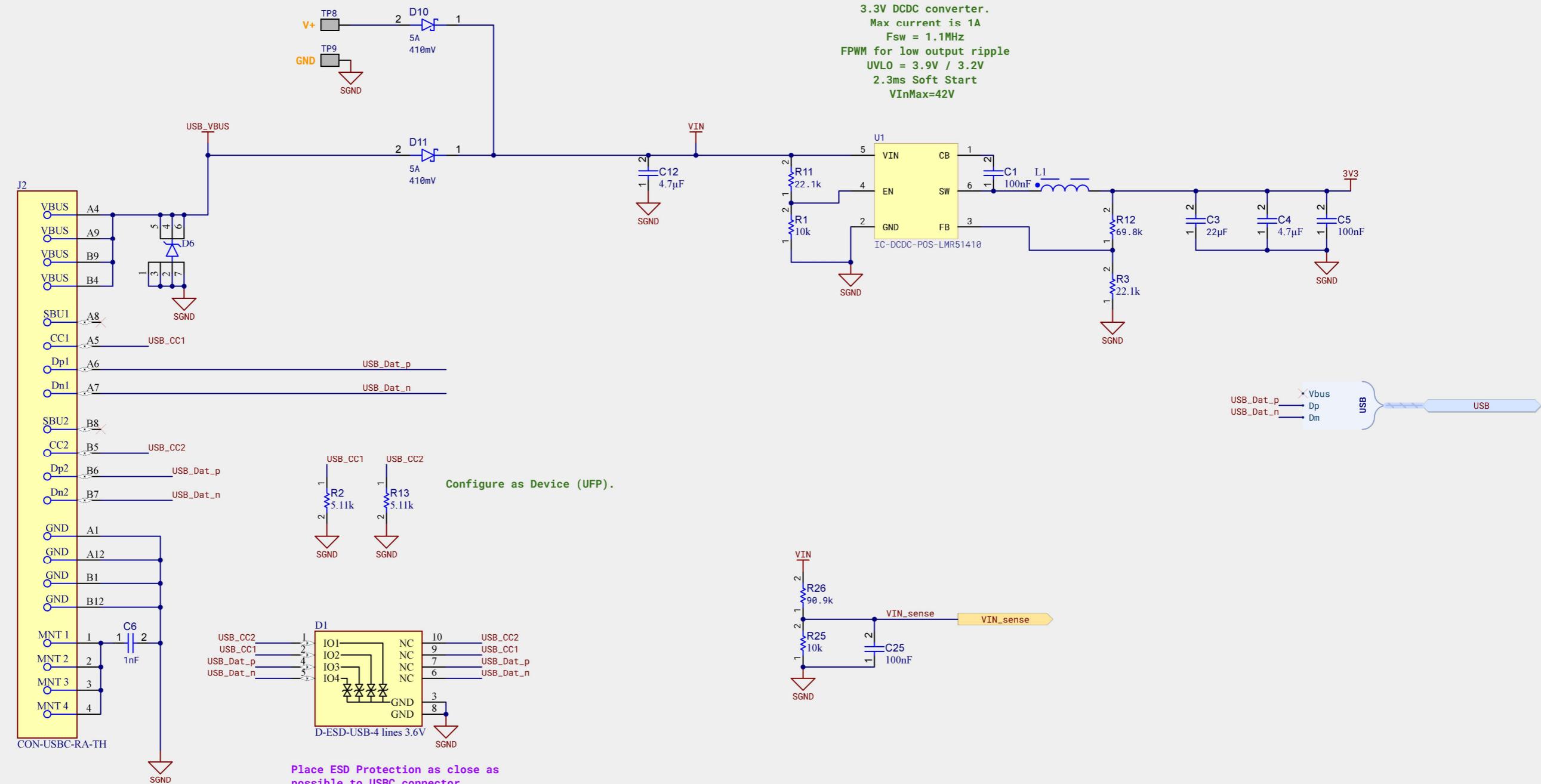
DESIGN TEAM		Bridge Discharger Manager V2			Rev B
DRAWNBY ADS	DATE 08-07-2025				
REVISED ADS	DATE 11-18-2025	Size A3		CCA No. 0100-43	
CHECKED •		Not in version control		Sheet: 1 of 5	

A

A

Use PADS to feed +12V Directly. USB
 Can be connected at the same time for
 debugging purpose.

FAN IS CONNECTED DIRECTLY TO VIN !
 If using more than 12V, ensure FAN
 voltage is matching.



B

B



C

C

PSU.SchDoc
Bridge Discharger Manager V2



Size	CCA No.	Rev
A3	0100-43	B
	Not in version control	Sheet: 2 of 5

A

A

B

B

C

C

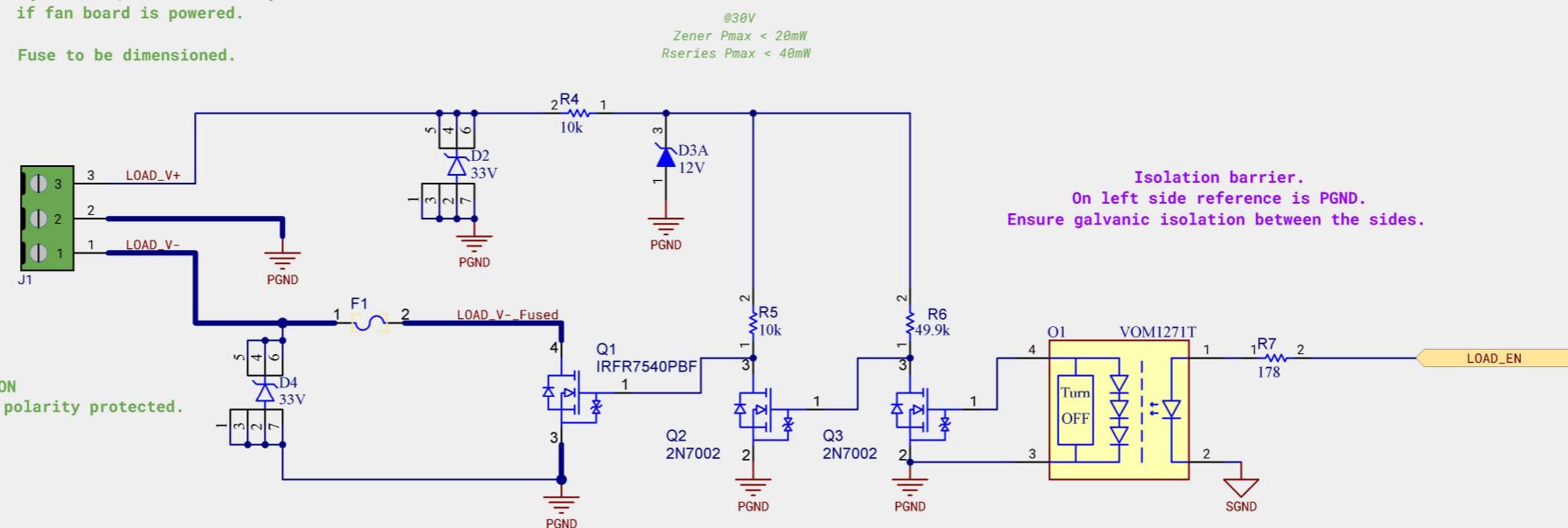
D

D

Resistive load power switch
 Designed for 30V 10A
 Open by default, will close only
 if fan board is powered.

Fuse to be dimensioned.

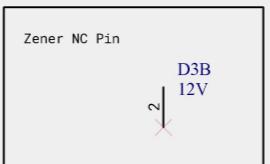
ATTENTION
 This input is NOT reverse polarity protected.



Power Switch.SchDoc



Bridge Discharger Manager V2



Size	CCA No.	Rev
A3	0100-43	B
	Not in version control	Sheet: 3 of 5

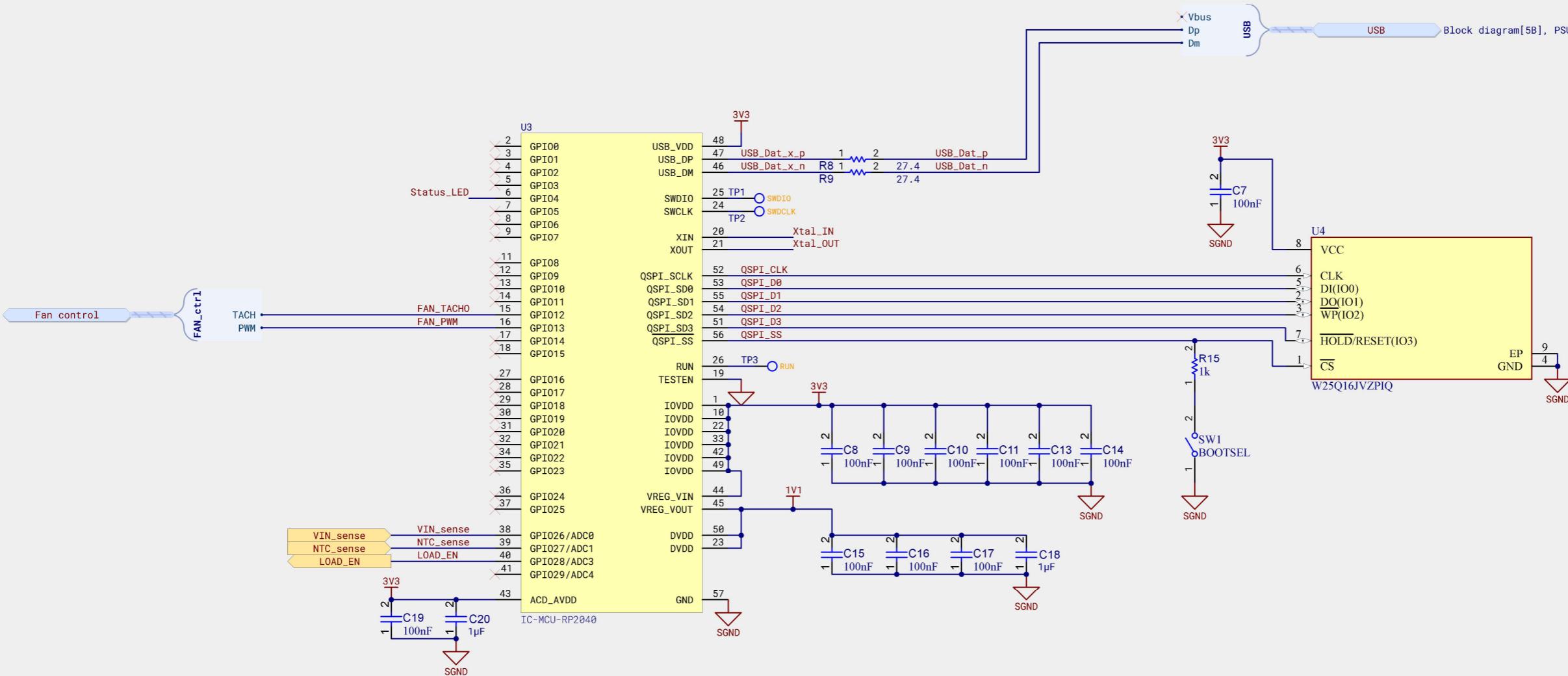
A

A

Vbus
 Dp
 Dm

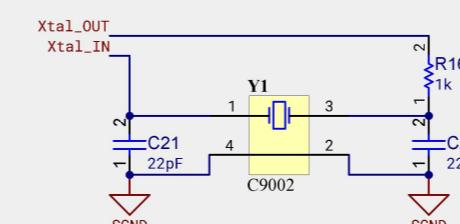
B

B



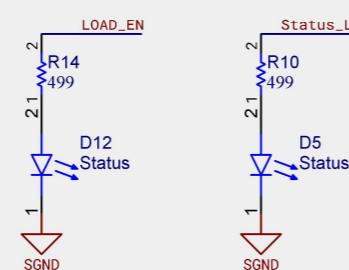
C

C



D

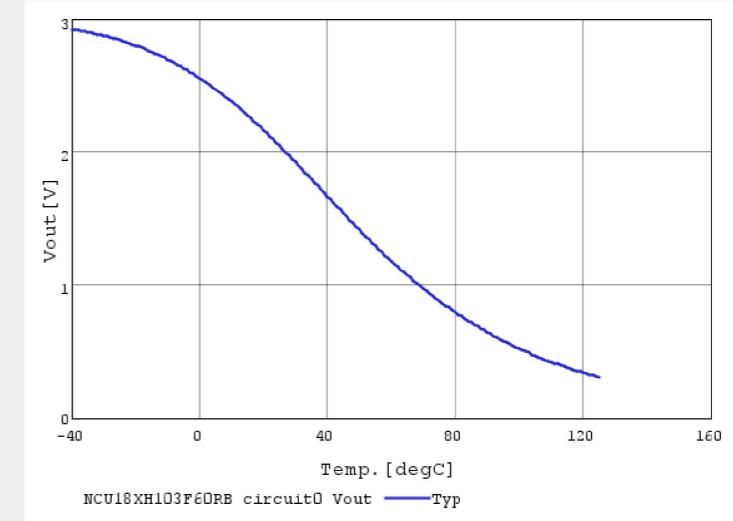
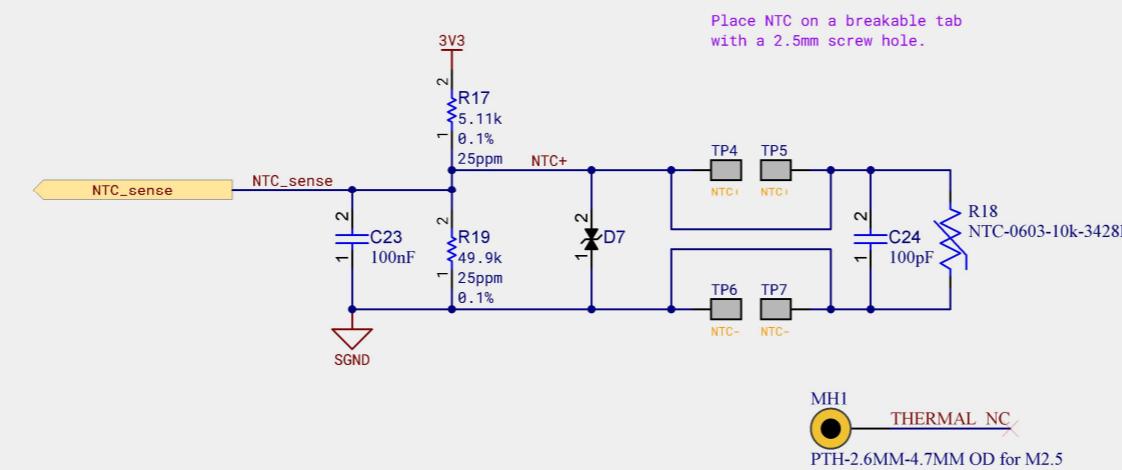
D



MCU.SchDoc			
Bridge Discharger Manager V2			
Size	CCA No.	Rev	
A3	0100-43	B	
Not in version control		Sheet: 4 of 5	

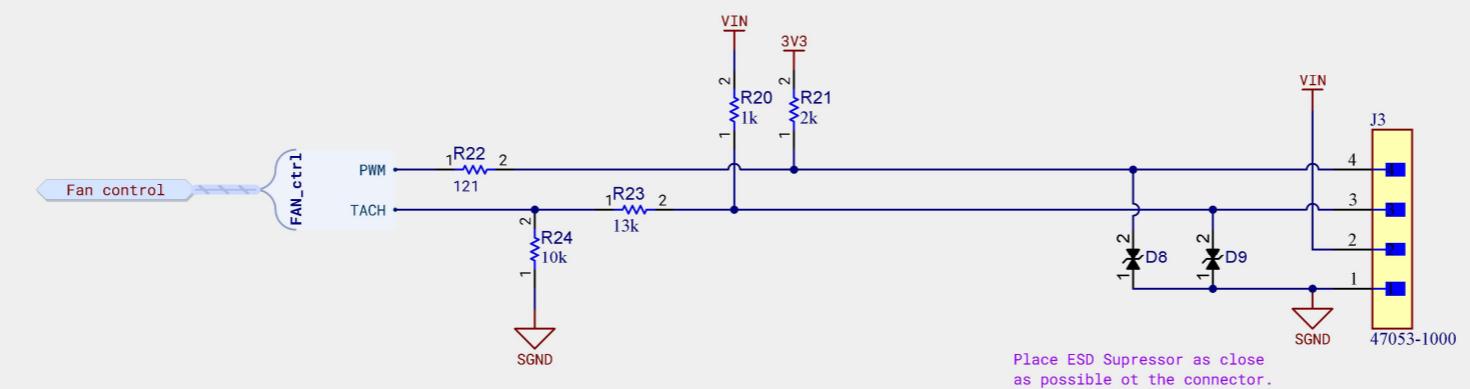
A

A



B

B



C

C

Temperature and Fan.SchDoc



Bridge Discharger Manager V2

Size		CCA No.	Rev
A3		0100-43	B
Not in version control		Sheet: 5 of 5	

D

D