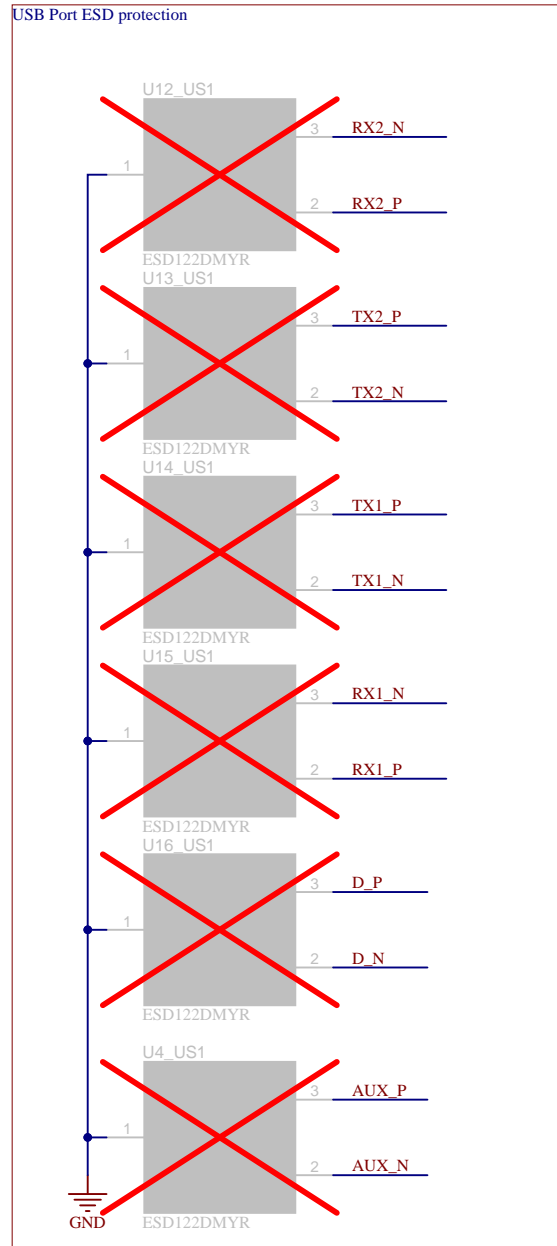
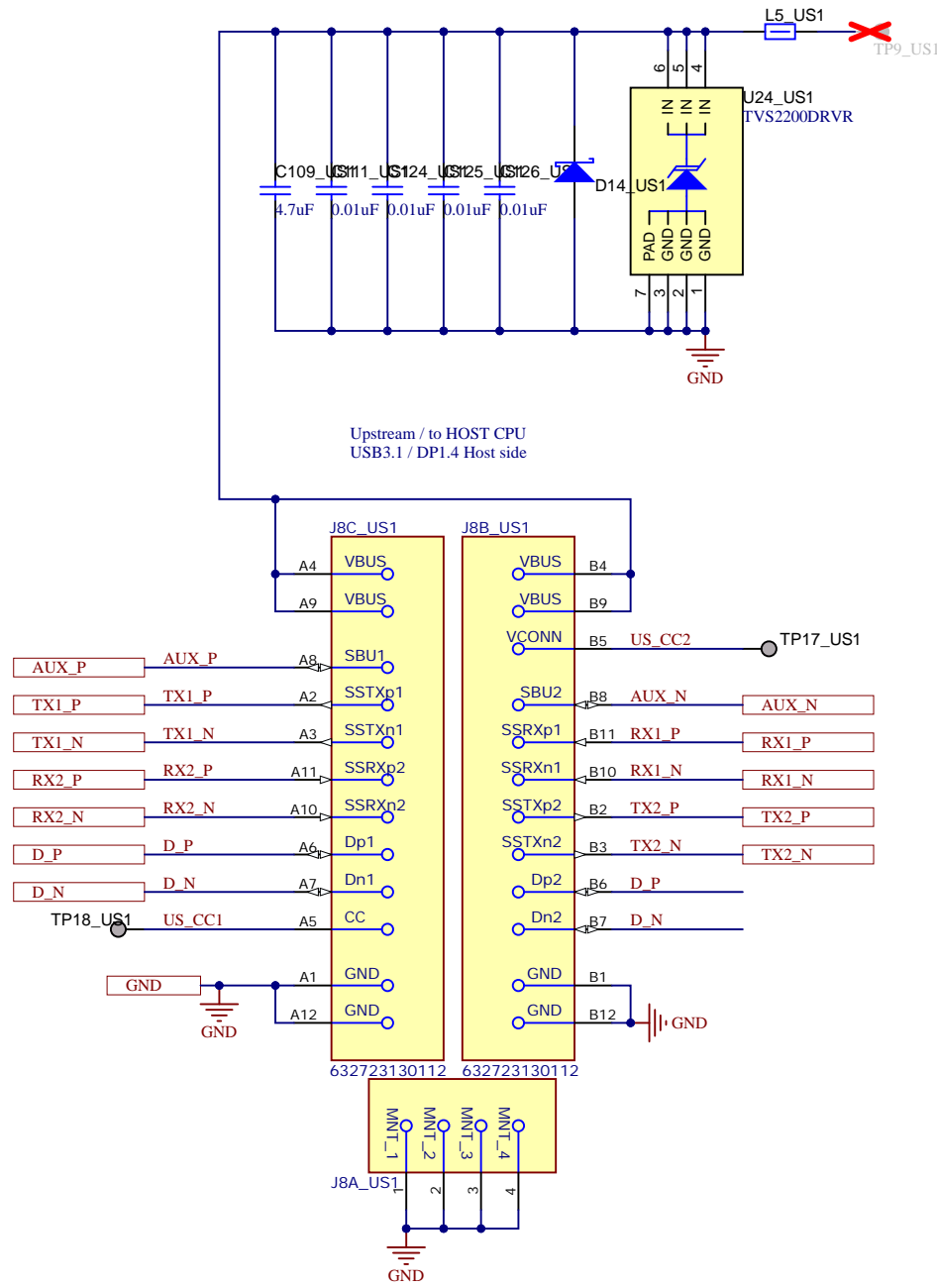


Hardware
ISFA375_Hardware.SchDoc

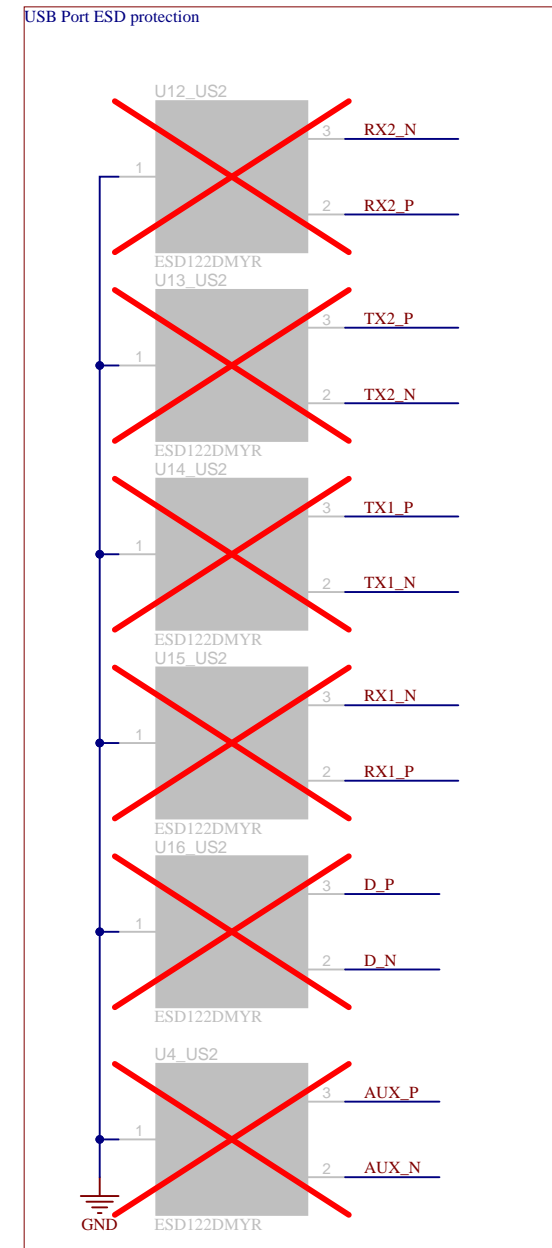
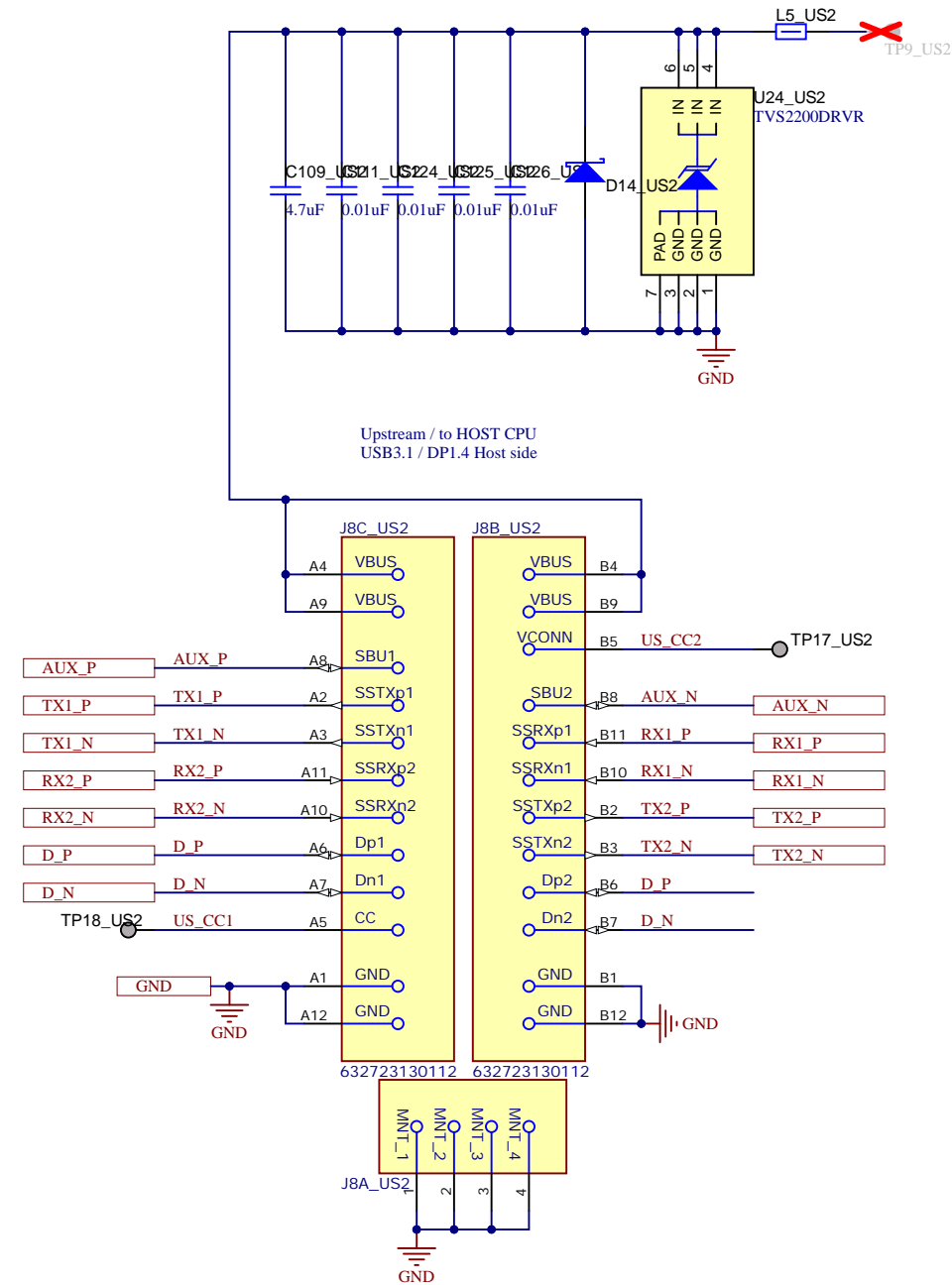
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Orderable: NA	Designed for: Public Release	Mod. Date: 2/14/2023	
TID #: TIDA-010248	Project Title: USB Type-C Power Delivery/Redriver RefDesign	Number: ISFA-375	
SVN Rev: 14568 [Locally Modified]	Rev: E2	Sheet Title:	Sheet: 1 of 11
Drawn By: Thomas Mauer	File: ISFA375_BLOCK_DIAGRAM.SchDoc	Size: B	http://www.ti.com
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Orderable: NA	Designed for: Public Release	Mod. Date: 2/14/2023	
TID #: TIDA-010248	Project Title: USB Type-C Power Delivery/Redriver RefDesign	Sheet: 2 of 11	
Number: ISFA-375	Rev: E2	Assembly Variant: 001	Size: B
SVN Rev:	File: ISFA375_US_USB-C_CONN.SchDoc	Engineer: Thomas Mauer	Contact: http://www.ti.com/support
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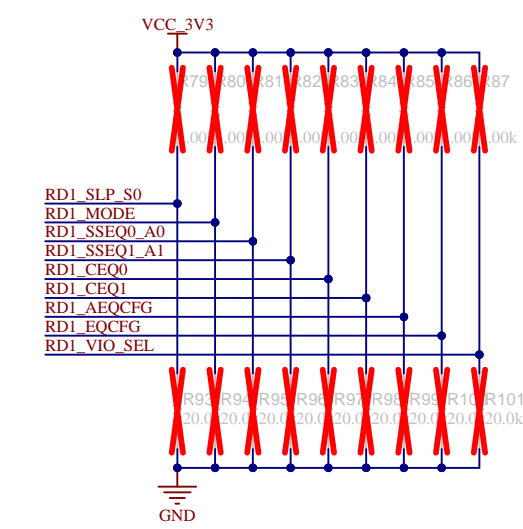
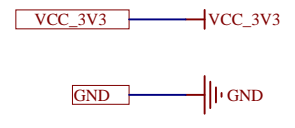
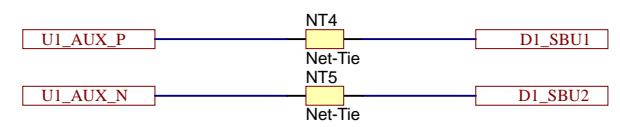
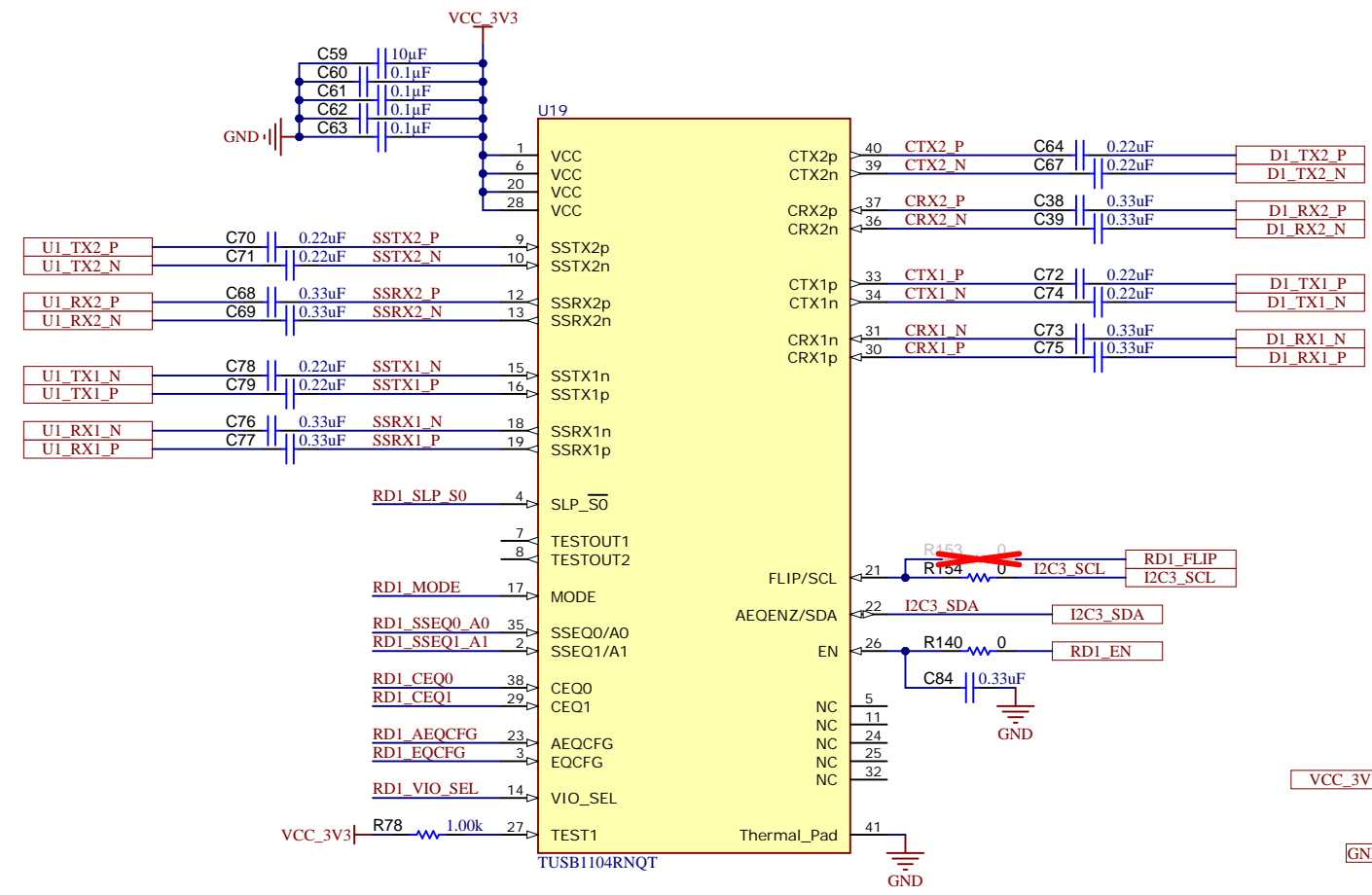


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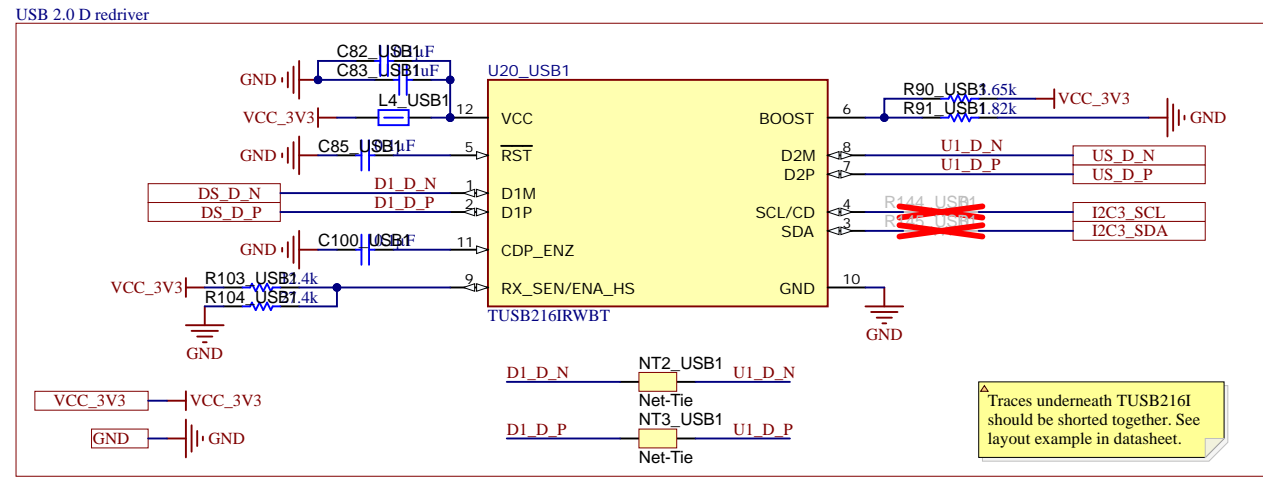
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Drawn By: Thomas Mauer	File: ISFA375_US_USB-C_CONN.SchDoc	Size: B
Engineer: Thomas Mauer	Contact: http://www.ti.com/support	

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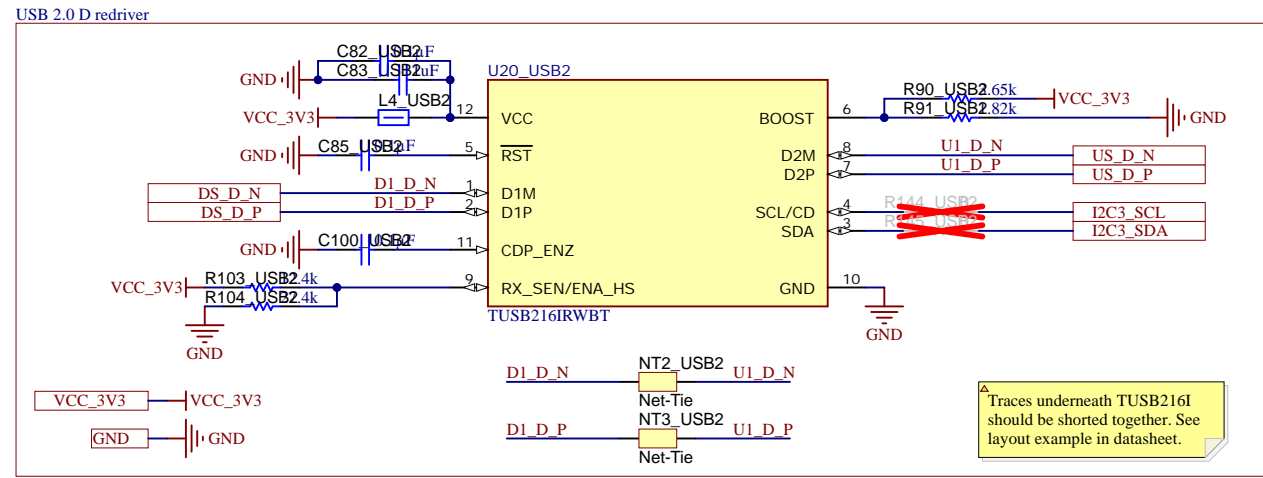


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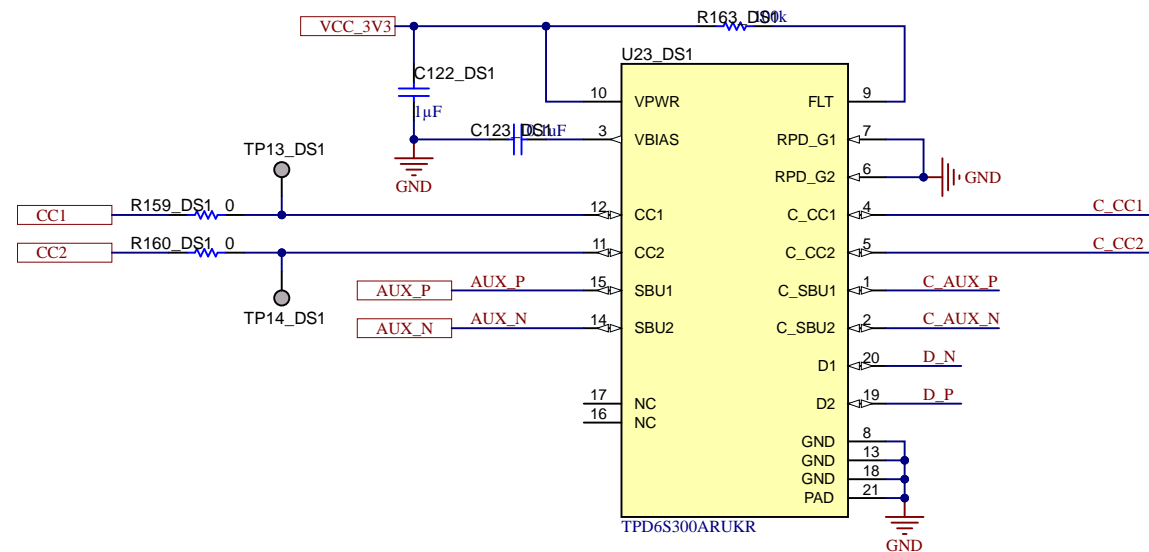
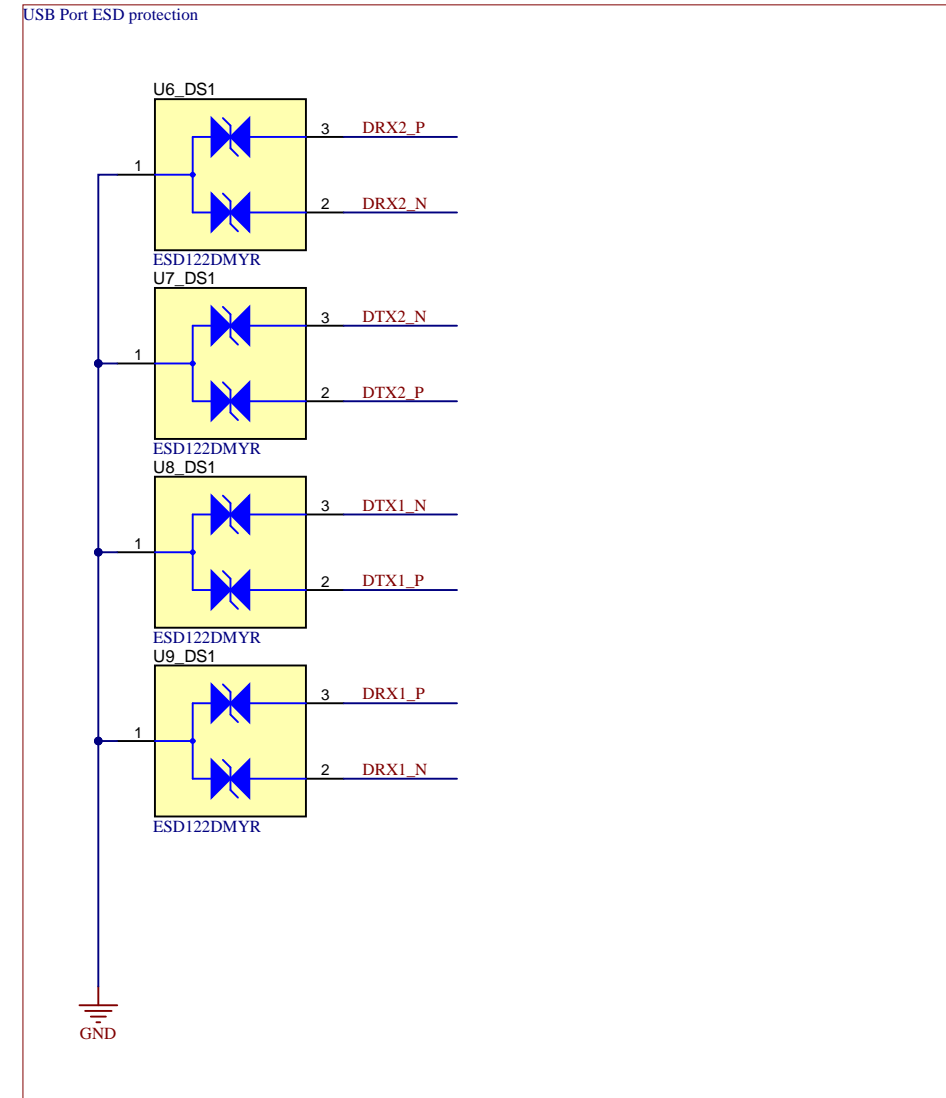
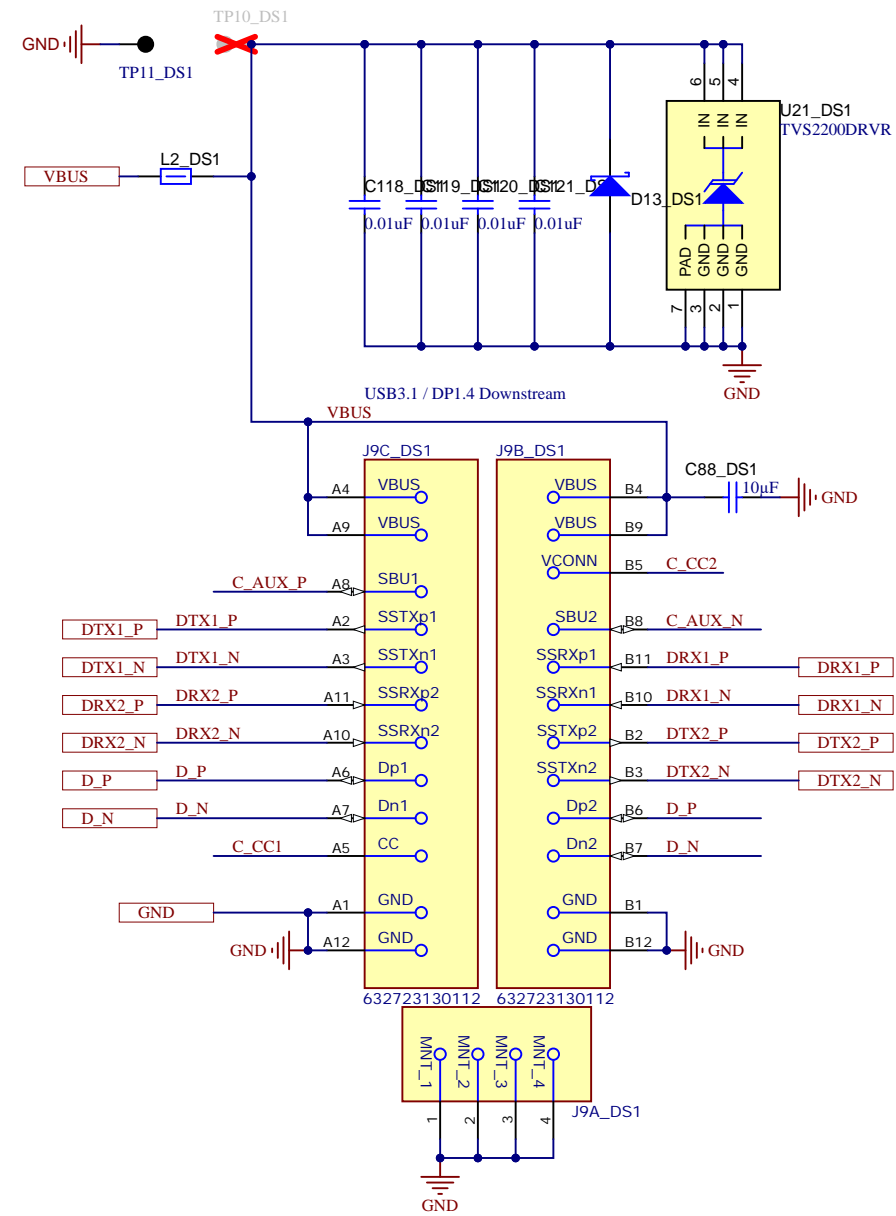
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Orderable: NA	Designed for: Public Release	Mod. Date: 2/14/2023	
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Number: ISFA-375	Rev: E2	Assembly Variant: 001	Sheet: 3 of 11
SVN Rev:	File: ISFA375_REDRIIVER_TUSB2161.SchDoc	Size: B	http://www.ti.com
Drawn By: Thomas Mauer	Contact: http://www.ti.com/support	© Texas Instruments 2022	



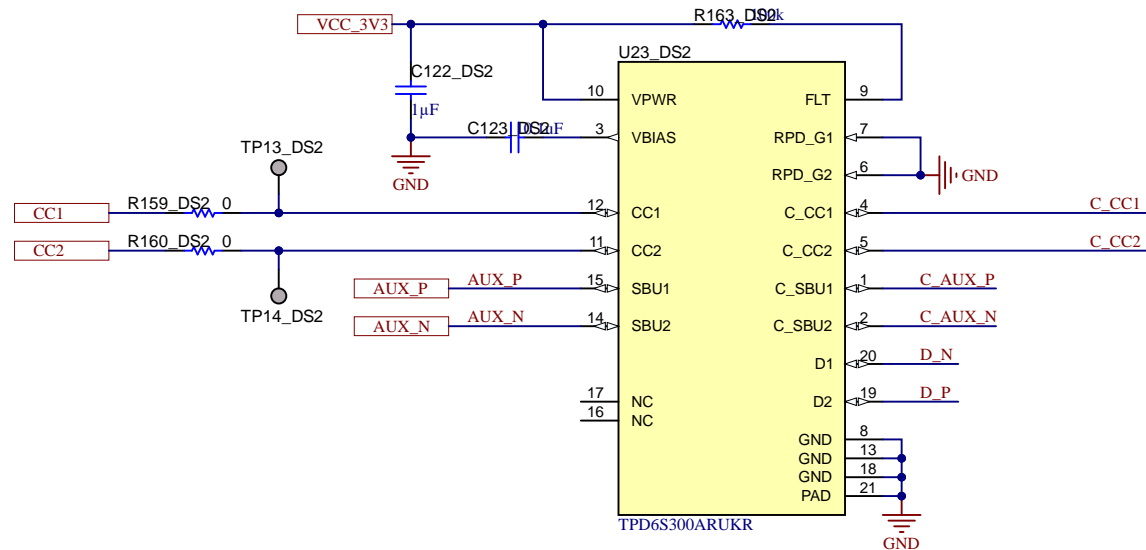
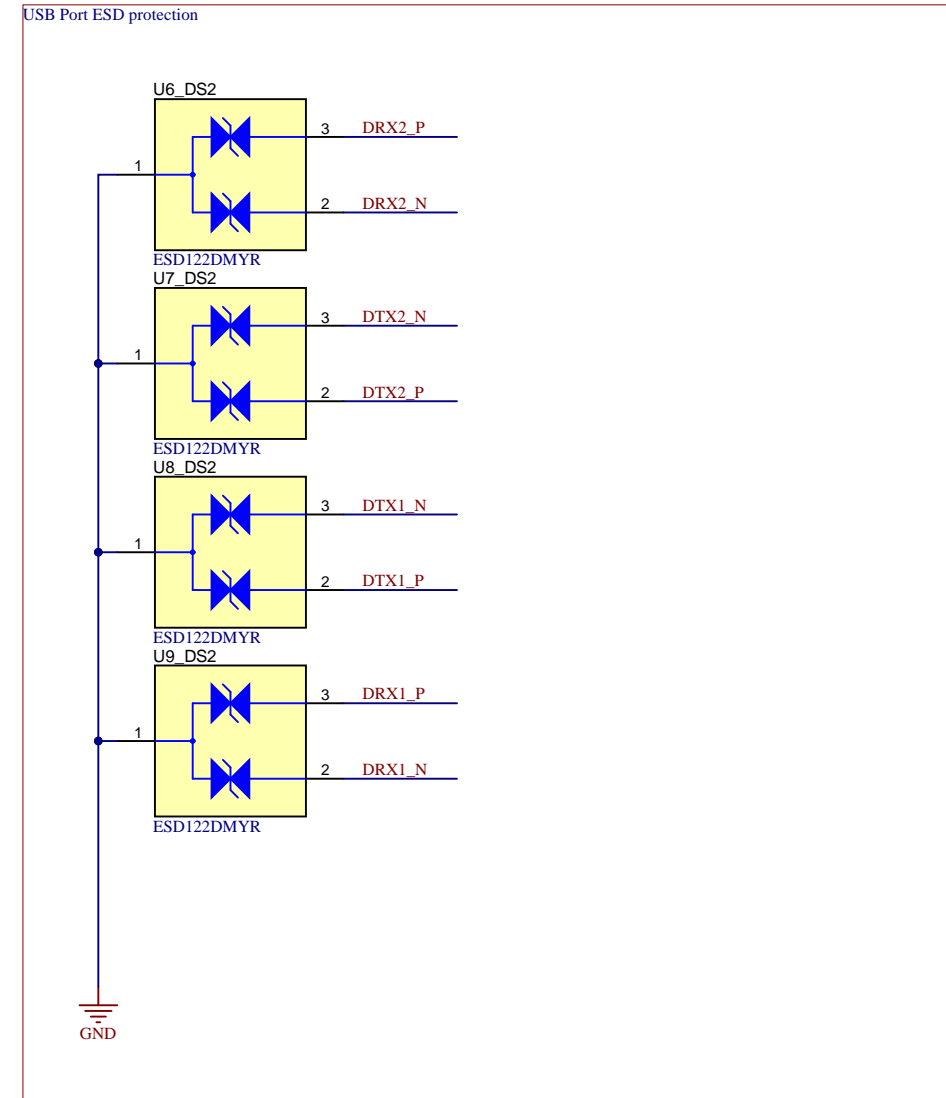
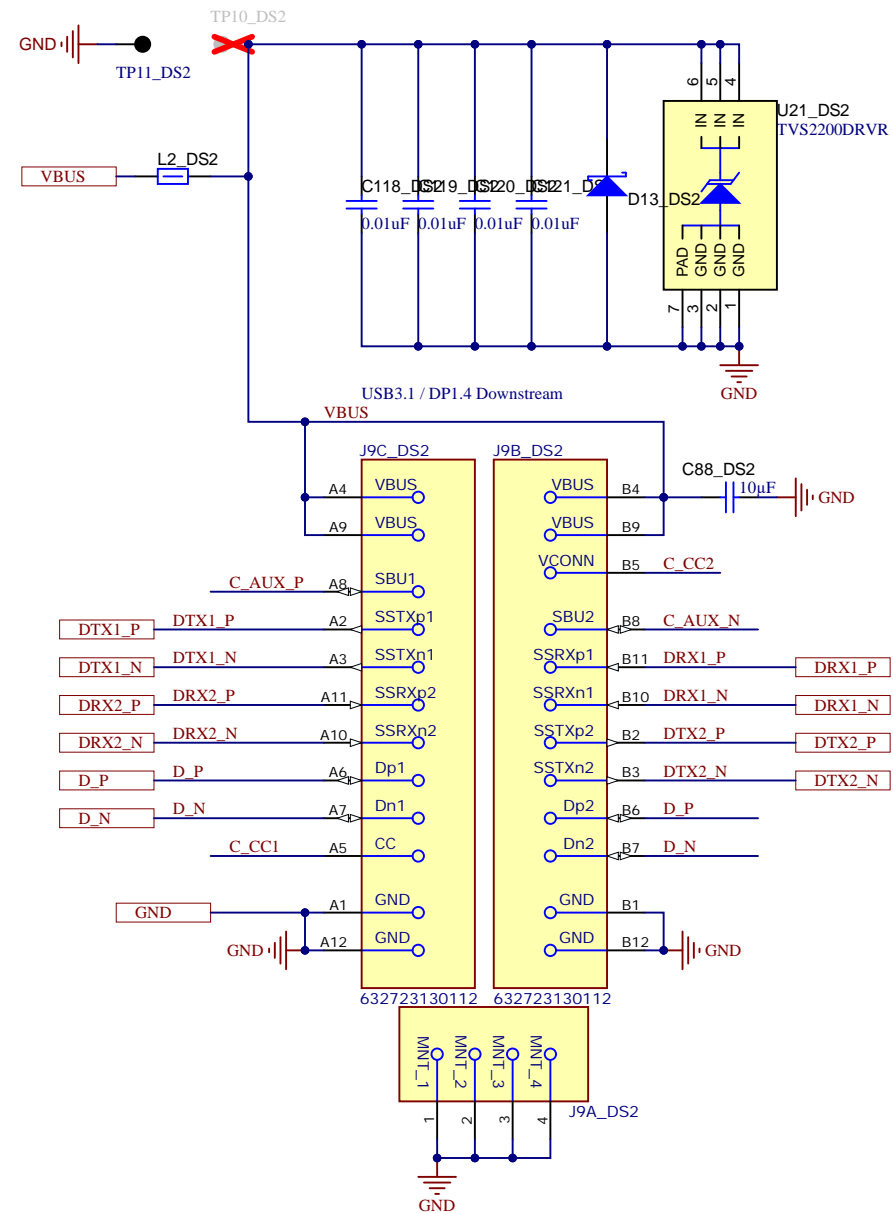
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Orderable: NA	Designed for: Public Release	Mod. Date: 2/14/2023	
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Number: ISFA-375	Rev: E2	Assembly Variant: 001	Sheet: 3 of 11
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Drawn By: Thomas Mauer	Contact: http://www.ti.com/support	© Texas Instruments 2022	



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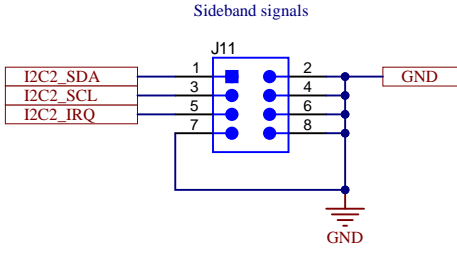
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Number: ISFA-375	Rev: E2	Assembly Variant: 001	http://www.ti.com
SVN Rev:	File: ISFA375_DS_USB-C_CONN.SchDoc	Size: B	
Drawn By: Thomas Mauer	Contact: http://www.ti.com/support		
Engineer: Thomas Mauer			© Texas Instruments 2022




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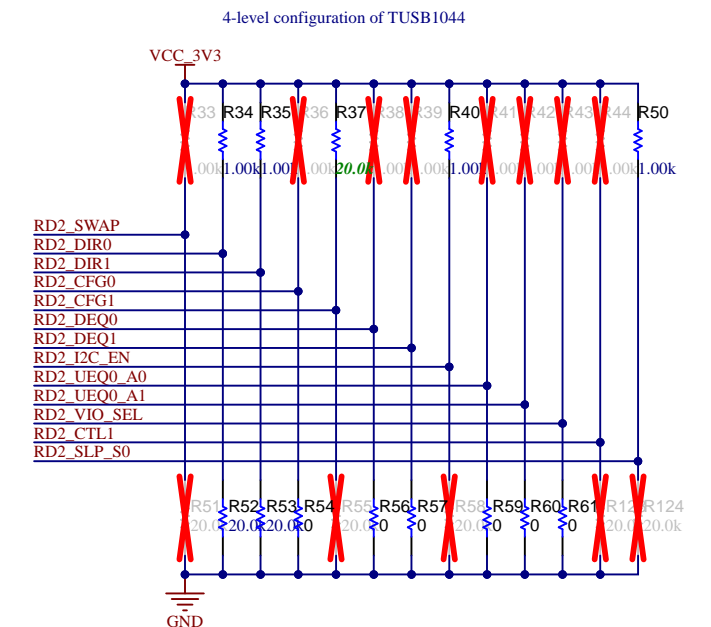
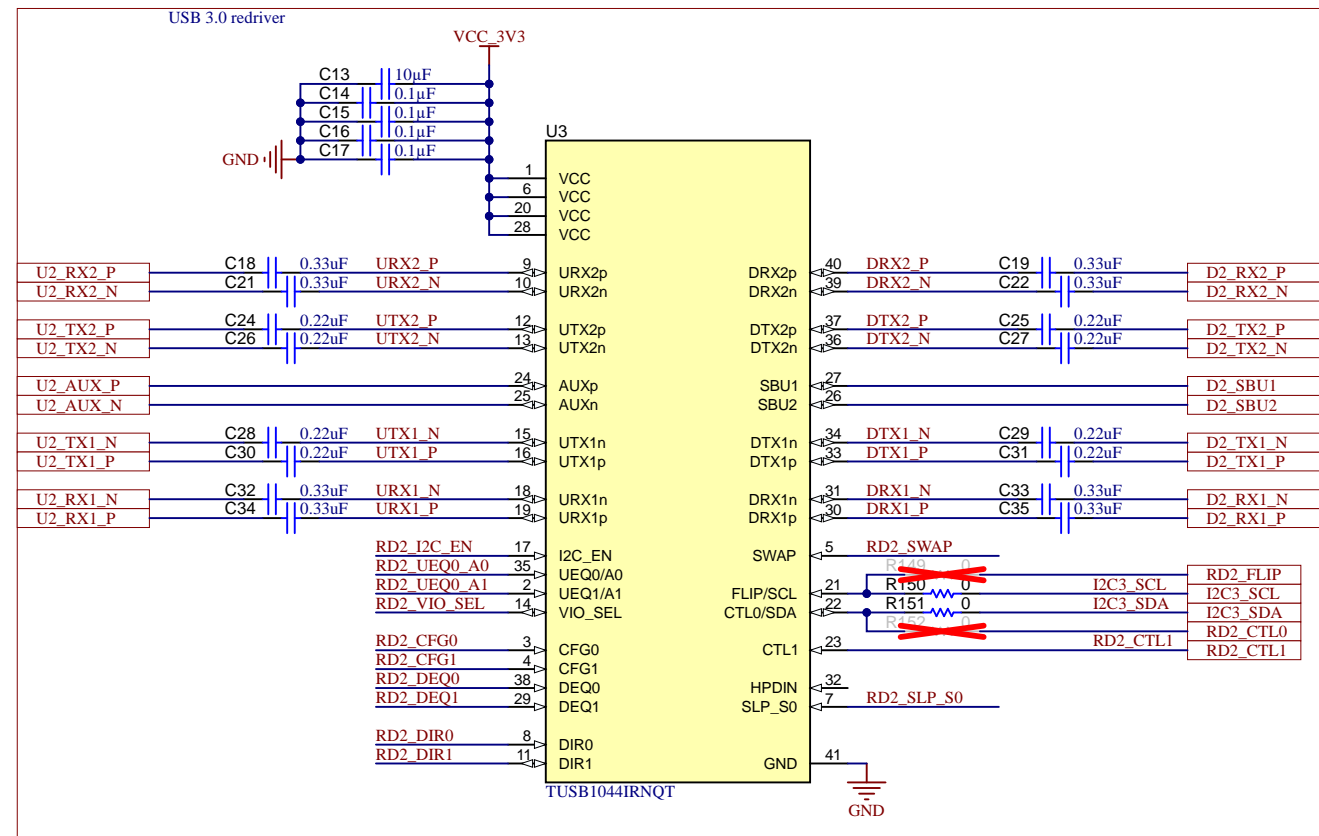
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SVN Rev:	Assembly Variant: 001	Size: B
Drawn By: Thomas Mauer	File: ISFA375_DS_USB-C_CONN.SchDoc	Contact: http://www.ti.com/support
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Orderable: NA	Designed for: Public Release	Mod. Date: 2/14/2023	 http://www.ti.com
TID #: TIDA-010248	Project Title: USB Type-C Power Delivery/Redriver RefDesign	Sheet: 5 of 11	
Number: ISFA-375	Rev: E2	Assembly Variant: 001	Size: B
SVN Rev:	File: ISFA375_US_Sideband_Interface.SchDoc	Contact: http://www.ti.com/support	© Texas Instruments 2022
Drawn By: Thomas Mauer			
Engineer: Thomas Mauer			

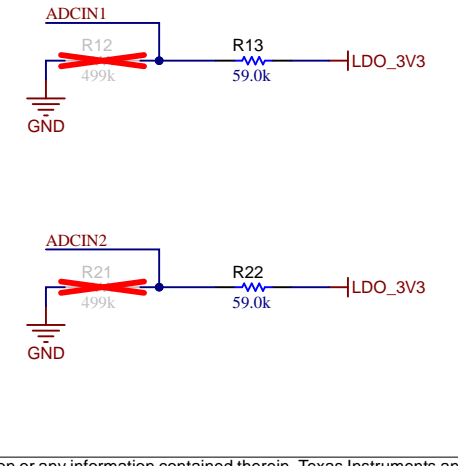
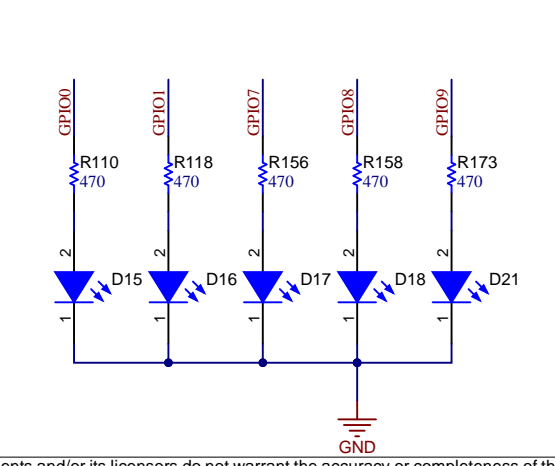
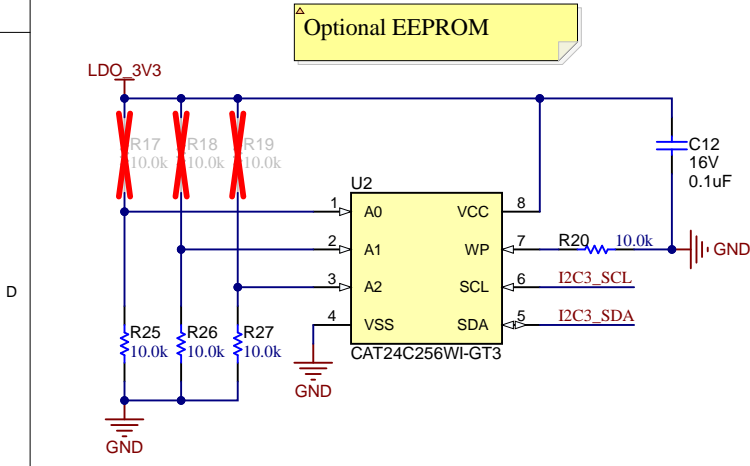
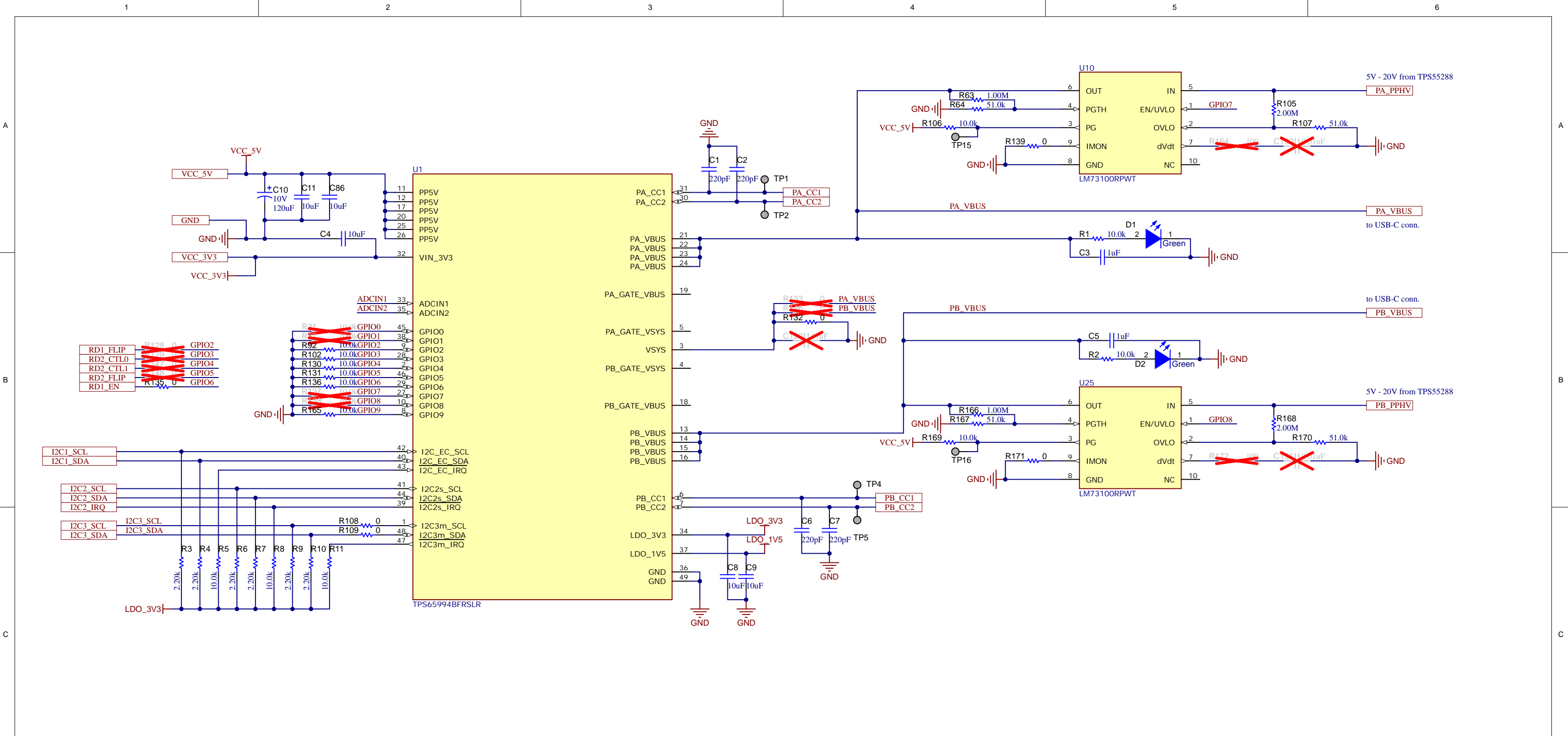


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Number: ISFA-375	Rev: E2	Sheet Title:
SVN Rev: 14568	Assembly Variant: 001	Sheet: 6 of 11
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Engineer: Thomas Mauer	Contact: http://www.ti.com/support	

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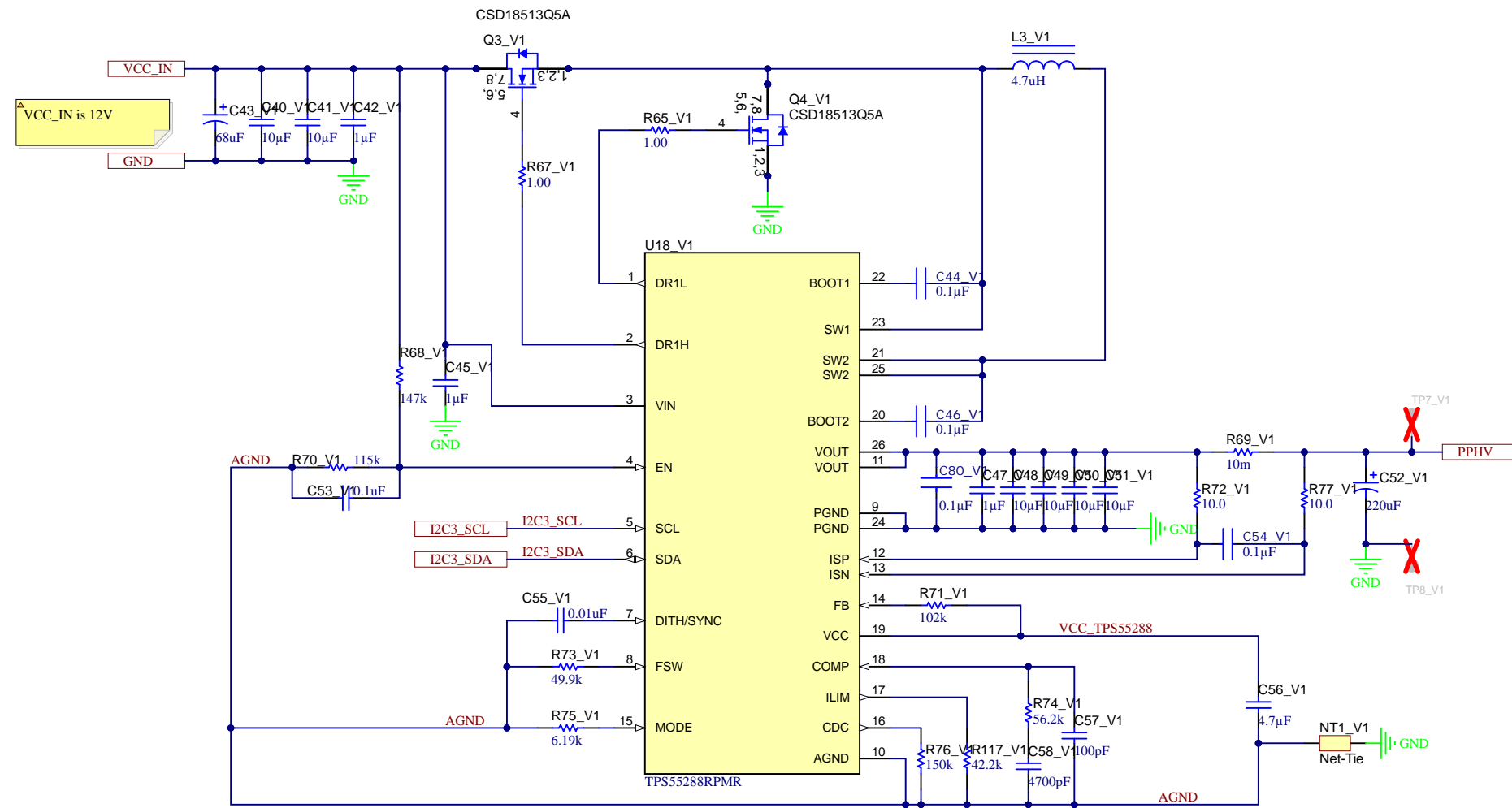
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SVN Rev:	Assembly Variant: 001	Size: B
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Engineer: Thomas Mauer		





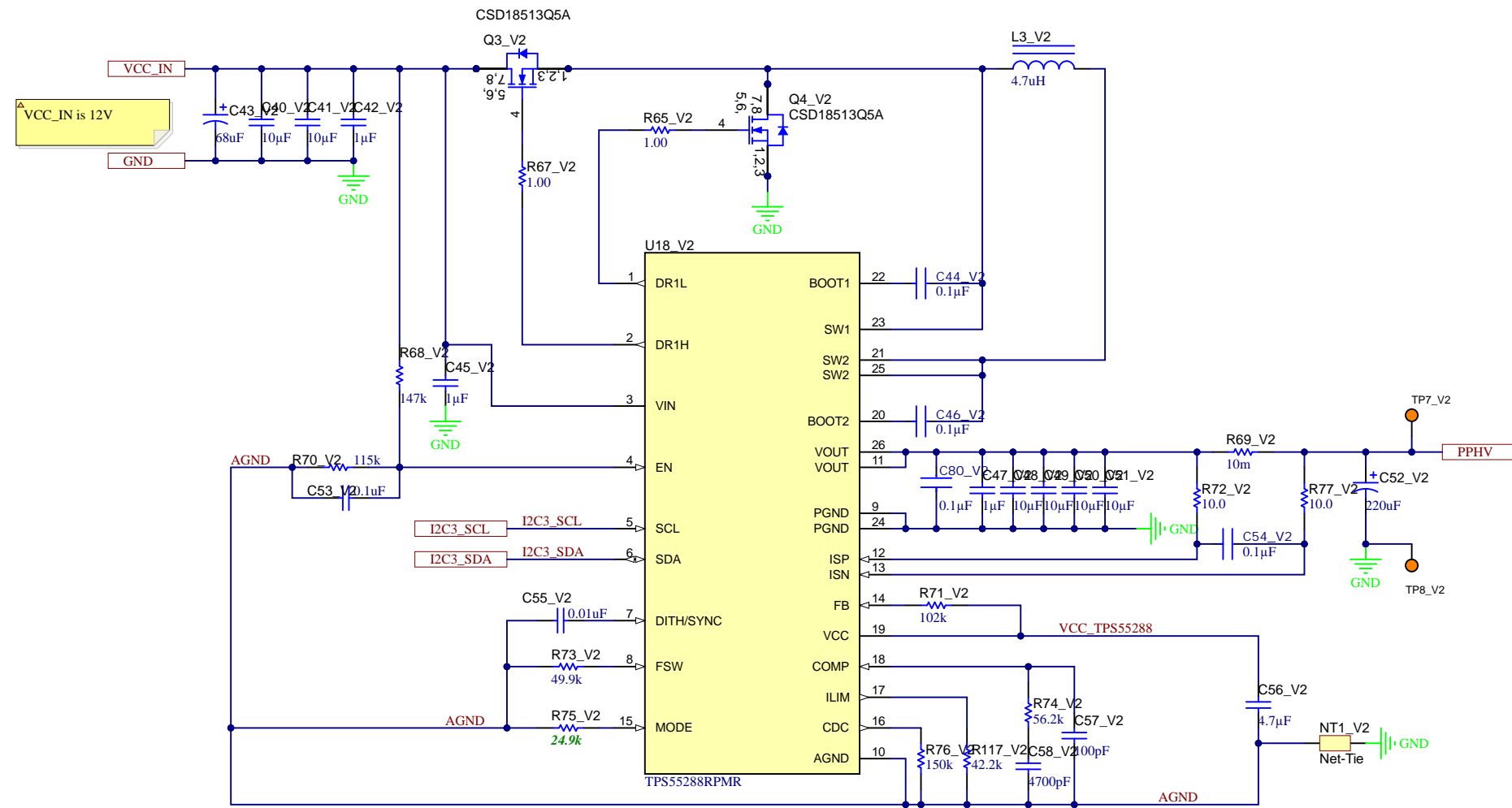
VCC_IN is 12V

Mode pin selects I2C address. Use 6.19k for TPS #1 and 24.9k for TPS#2

60W: ILIM resistor 42.2k
100W: ILIM resistor 34.4k

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Orderable: NA	Designed for: Public Release	Mod. Date: 2/16/2023	
TID #: TIDA-010248	Project Title: USB Type-C Power Delivery/Redriver RefDesign		
Number: ISFA-375	Rev: E2	Sheet Title:	
SVN Rev: 14568 [Locally Modified]	Assembly Variant: 001	Sheet: 8 of 11	
Drawn By: Thomas Mauer	File: ISFA375_BUS_POWER_TPS55288.SchDoc	Size: B	http://www.ti.com
Engineer: Thomas Mauer	Contact: http://www.ti.com/support		© Texas Instruments 2022



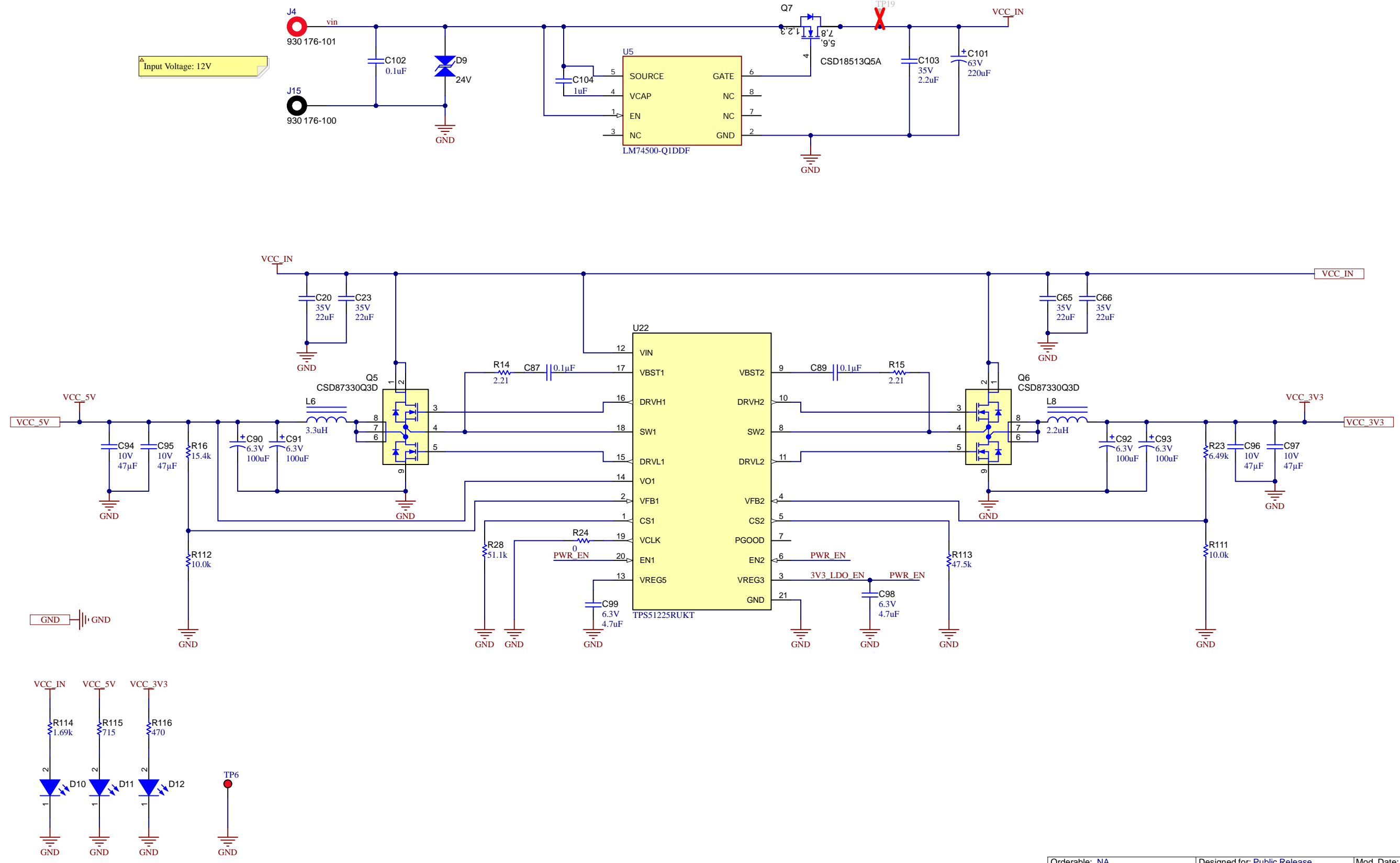
VCC_IN is 12V

Mode pin selects I2C address. Use 6.19k for TPS #1 and 24.9k for TPS#2

60W: ILIM resistor 42.2k
100W: ILIM resistor 34.4k

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Orderable: NA	Designed for: Public Release	Mod. Date: 2/16/2023	
TID #: TIDA-010248	Project Title: USB Type-C Power Delivery/Redriver RefDesign		
Number: ISFA-375	Rev: E2	Sheet Title:	
SVN Rev: 14568 [Locally Modified]	Assembly Variant: 001	Sheet: 8 of 11	
Drawn By: Thomas Mauer	File: ISFA375_BUS_POWER_TPS55288.SchDoc	Size: B	http://www.ti.com
Engineer: Thomas Mauer	Contact: http://www.ti.com/support		© Texas Instruments 2022



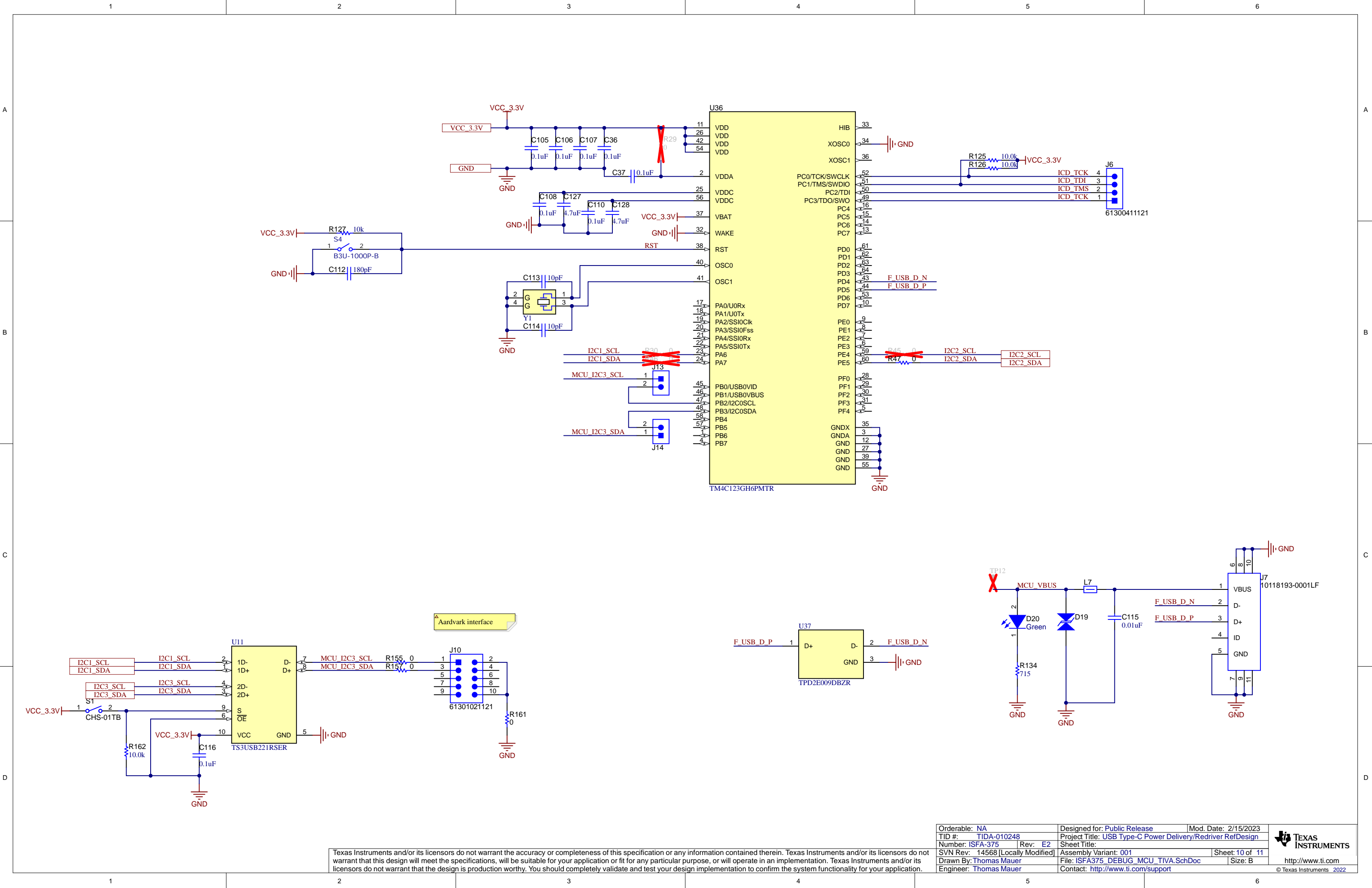
Input Voltage: 12V

Orderable: NA	Designed for: Public Release	Mod. Date: 2/14/2023
TID #: TIDA-010248	Project Title: USB Type-C Power Delivery/Redriver RefDesign	
Number: ISFA-375	Rev: E2	Sheet Title:
SVN Rev:	Assembly Variant: 001	Sheet: 9 of 11
Drawn By: Thomas Mauer	File: ISFA375_SYSTEM_POWER_SchDoc	Size: B
Engineer: Thomas Mauer	Contact: http://www.ti.com/support	

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Orderable: NA	Designed for: Public Release	Mod. Date: 2/15/2023
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Engineer: Thomas Mauer	Contact: http://www.ti.com/support	



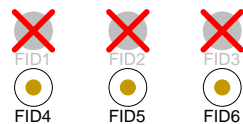
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H1 1
NY PMS 440 0025 PH

H2 1
NY PMS 440 0025 PH

H3 1
NY PMS 440 0025 PH

H4 1
NY PMS 440 0025 PH



PCB Number: ISFA-375
PCB Rev: E2

PCB
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LOGO
FCC disclaimer

PCB
LOGO
WEEE logo

^A You should delete the nylon screws/standoffs and/or the bumpons as needed for your design (or substitute other parts from Hardware.IntLib). Bumpons are cheaper, but provide less clearance.

Deleting anything else from this page may result in your EVM submission being rejected (until you add them back).

Update the Label Text in the Label Table as needed for each Assembly Variant.

You should delete this note too.

Variant/Label Table	
Variant	Label Text
001	ChangeMe!
002	ChangeMe!

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Orderable: NA	Designed for: Public Release	Mod. Date: 2/14/2023	
TID #: TIDA-010248	Project Title: USB Type-C Power Delivery/Redriver RefDesign		
Number: ISFA-375	Rev: E2	Sheet Title:	
SVN Rev:	Assembly Variant: 001	Sheet: 11 of 11	
Drawn By: Thomas Mauer	File: ISFA375_Hardware.SchDoc	Size: B	http://www.ti.com
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