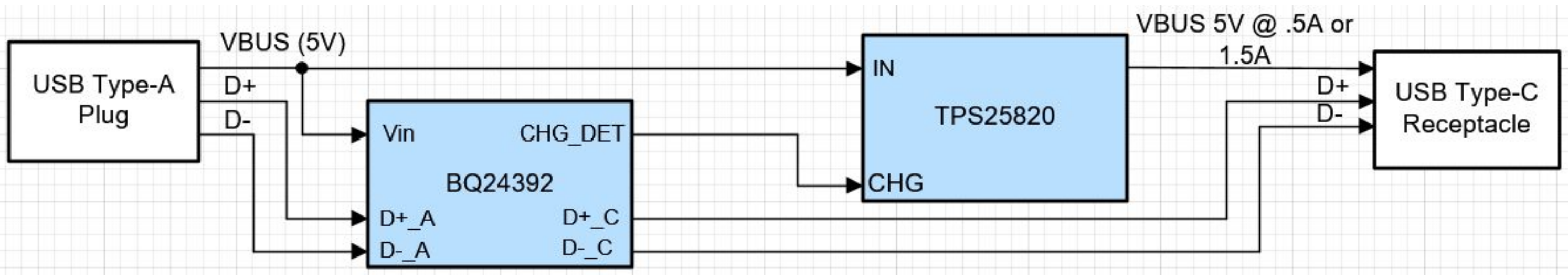
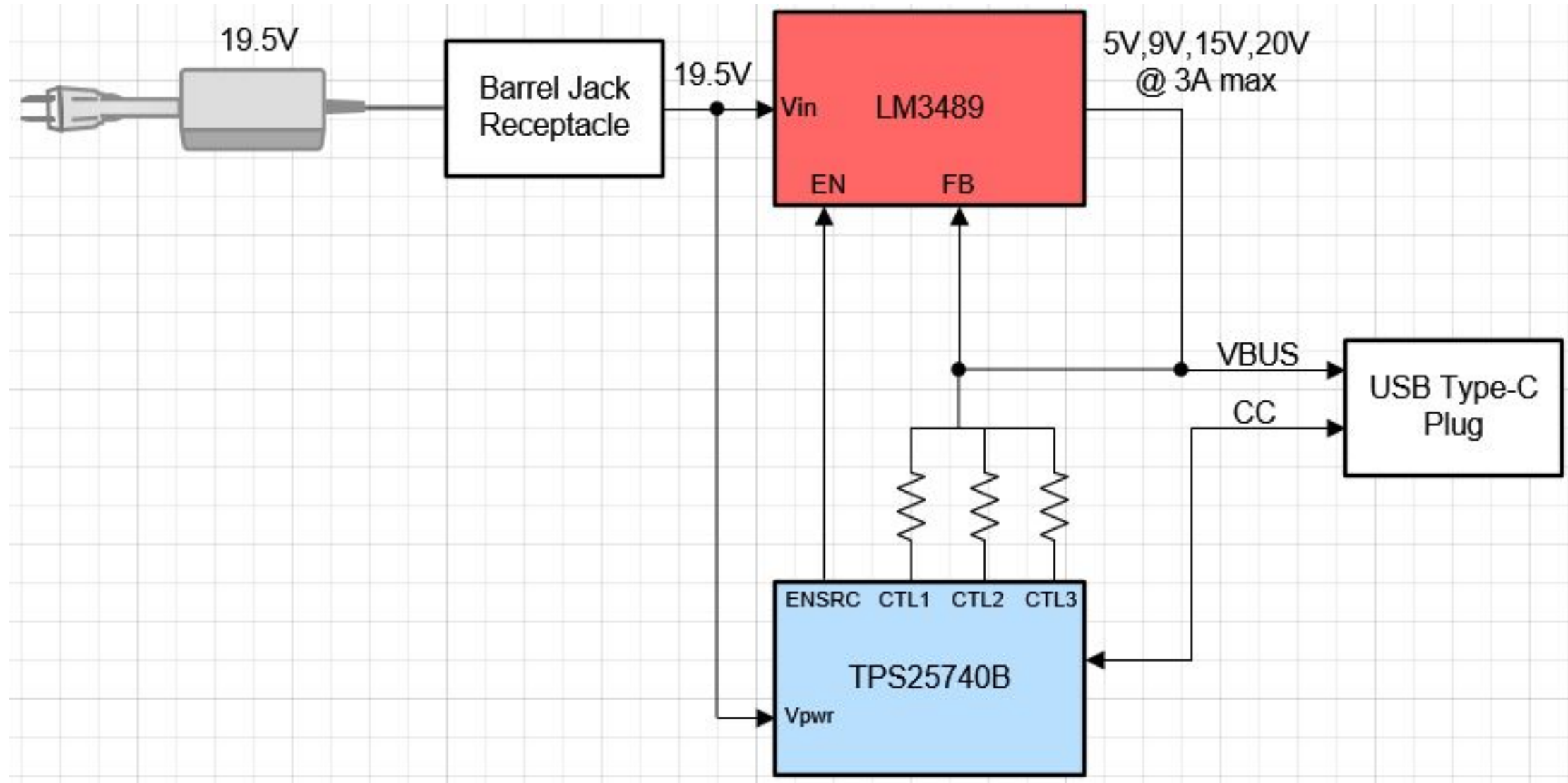


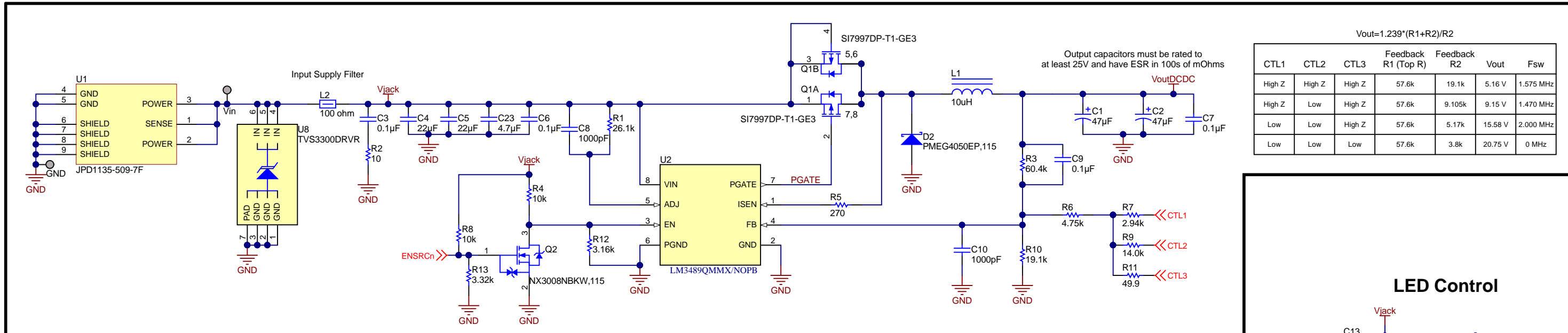
Revision History				
Rev	ECN #	Approved Date	Approved by	Notes
N/A	N/A	N/A	N/A	N/A



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Orderable: TIDA-01602	Designed for: Public Release	Mod. Date: 2/12/2018	 http://www.ti.com © Texas Instruments 2017
TID #: TIDA-01602	Project Title: USB Type-C Tikit	Sheet Title: Tikit Block Diagrams	
Number: TIDA-01602	Rev: E1	Assembly Variant: 001	
SVN Rev: Version control disabled	File: TIDA-01602G_CoverSheet.SchDoc	Sheet: 1 of 4	
Drawn By: Donovan Porter	Engineer: Donovan Porter	Contact: http://www.ti.com/support	

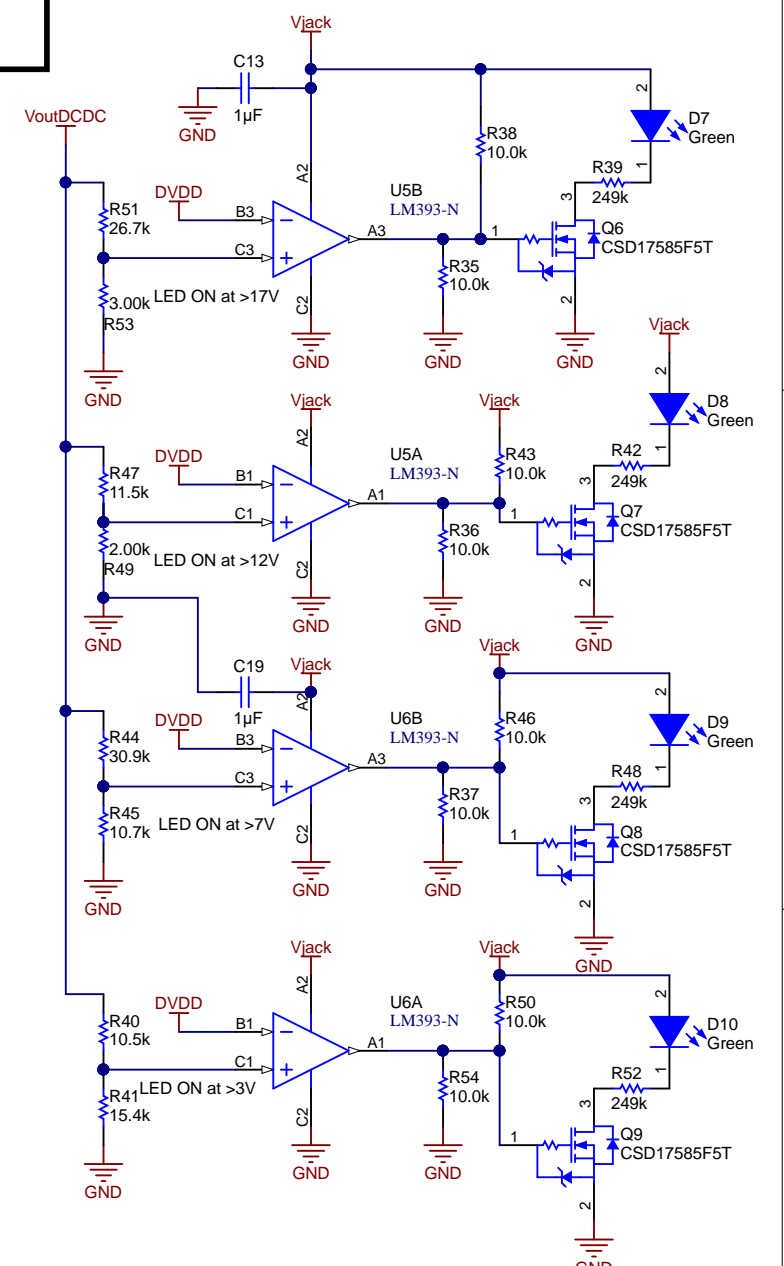
LM3489 DC/DC



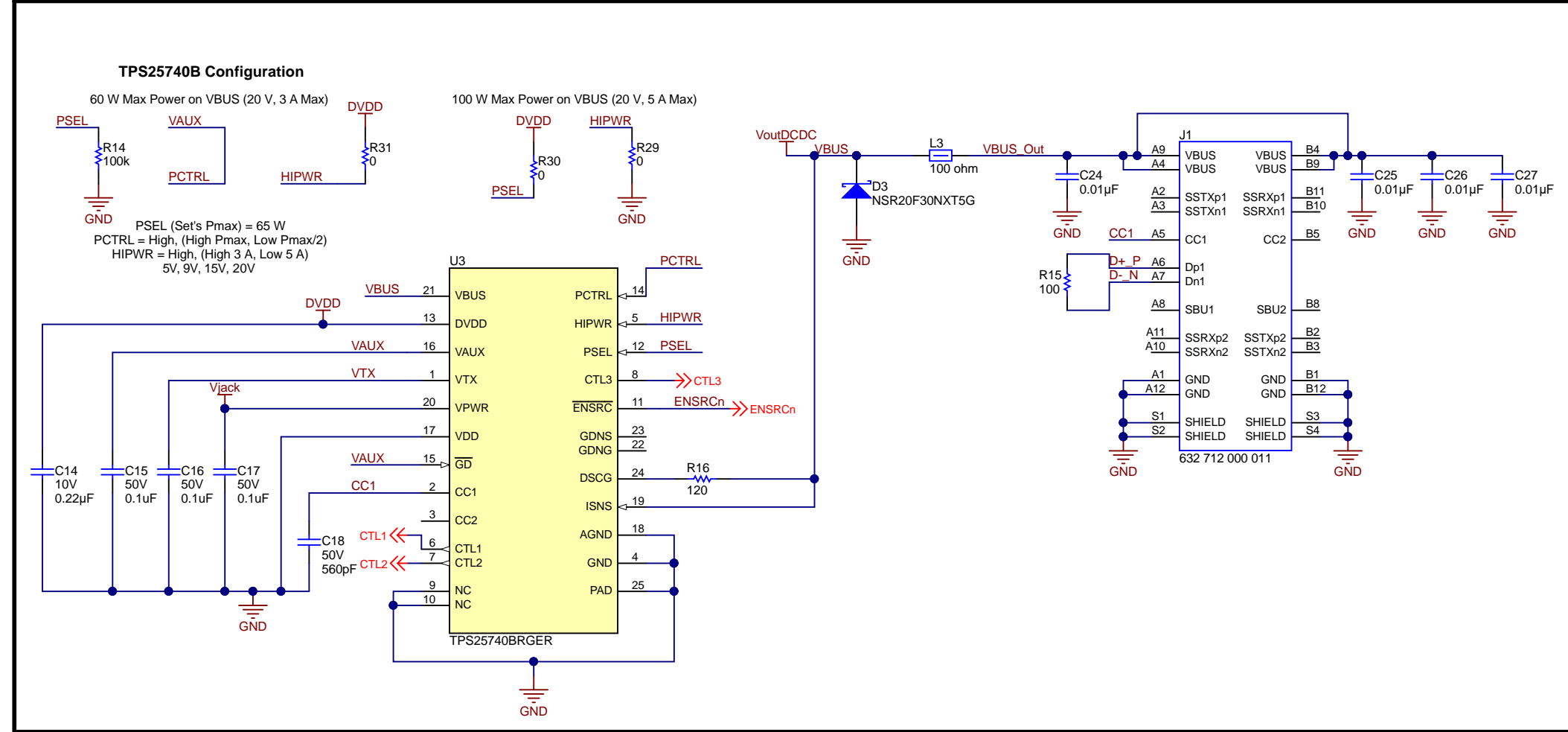
$V_{out} = 1.239 \cdot (R1 + R2) / R2$

CTL1	CTL2	CTL3	Feedback R1 (Top R)	Feedback R2	Vout	Fsw
High Z	High Z	High Z	57.6k	19.1k	5.16 V	1.575 MHz
High Z	Low	High Z	57.6k	9.105k	9.15 V	1.470 MHz
Low	Low	High Z	57.6k	5.17k	15.58 V	2.000 MHz
Low	Low	Low	57.6k	3.8k	20.75 V	0 MHz

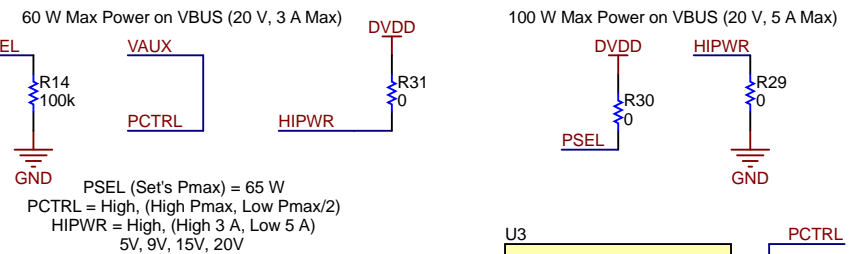
LED Control



TPS25740B

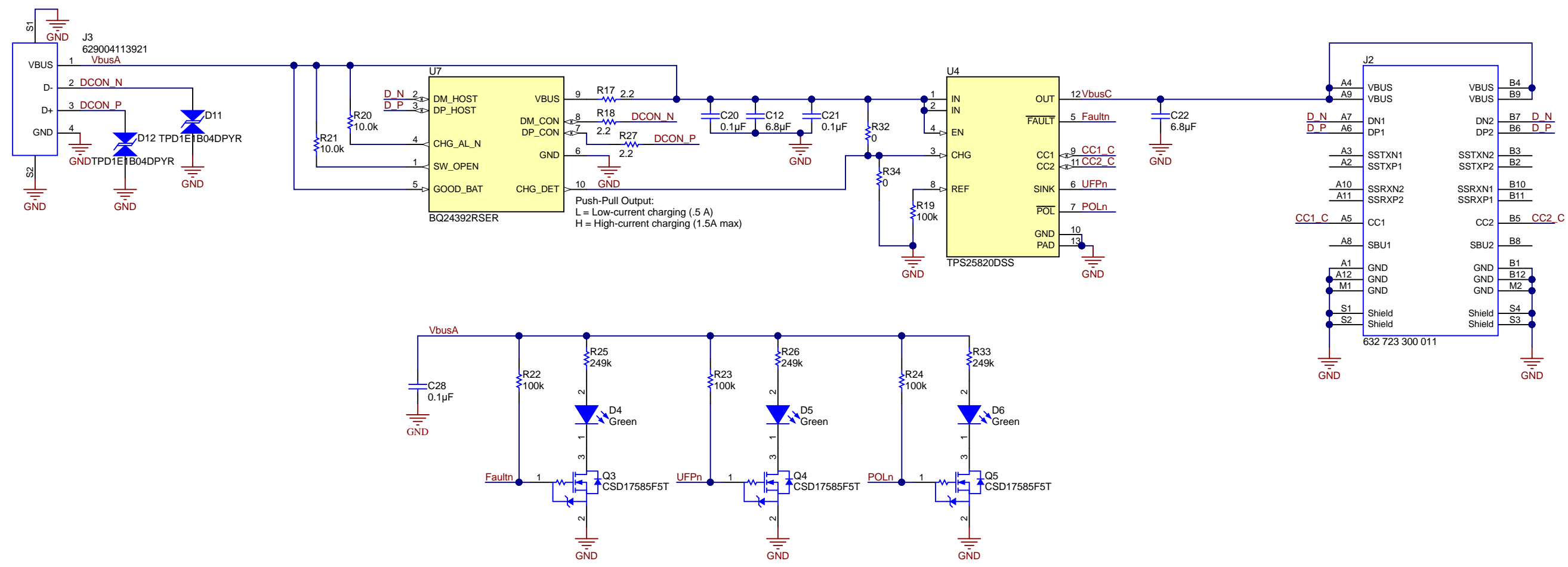


TPS25740B Configuration



PSEL (Set's Pmax) = 65 W
 PCTRL = High, (High Pmax, Low Pmax/2)
 HIPWR = High, (High 3 A, Low 5 A)
 5V, 9V, 15V, 20V

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Orderable: TIDA-01602	Designed for: Public Release	Mod. Date: 1/16/2018
TID #: TIDA-01602	Project Title: USB Type-C Tikit	
Number: TIDA-01602	Rev: E1	Sheet Title: USB Type-A to USB Type-C
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 3 of 4
Drawn By: Donovan Porter	File: TIDA-01602G_Type-A_Type-C.SchDoc	Size: B
Engineer: Donovan Porter	Contact: http://www.ti.com/support	



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PCB Number: TIDA-01602
PCB Rev: E1

PCB LOGO
Pb-Free Symbol


PCB LOGO
FCC disclaimer

ZZ2
Assembly Note
These assemblies are ESD sensitive, ESD precautions shall be observed.

ZZ3
Assembly Note
These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

ZZ4
Assembly Note
These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

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TID #: TIDA-01602	Project Title: USB Type-C Tikit		
Number: TIDA-01602	Rev: E1	Sheet Title: Tikit Hardware	
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 4 of 4	
Drawn By: Donovan Porter	File: TIDA-01602G_Hardware.SchDoc	Size: B	
Engineer: Donovan Porter	Contact: http://www.ti.com/support		

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