


1	2	3	4	5	6
Cannot open file C:\Users\at0227029\Desktop\HVPblock diagram.png. File does not exist.					Revision History
					RevECN #Approved DateApproved byNotes
					N/AN/AN/AN/AN/A
A					A
B					B
C					C
D					D
1	2	3	4	5	6

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Orderable: <a href="#">UCC21750QDWEVM-054</a>		Designed for: <a href="#">Public Release</a>		[Mod. Date: 9/2/2022]	
TID #: <a href="#">N/A</a>		Project Title: <a href="#">Wolfspeed HB EVM for UCC217xx &amp; ISO5xx</a>			
Number: <a href="#">HVP054</a>		[Rev: <a href="#">E1</a> ]		Sheet Title:	
SVN Rev: <a href="#">Not in version control</a>		Assembly Variant: <a href="#">UCC21750</a>		Sheet: <a href="#">1</a> of <a href="#">3</a>	
Drawn By:		File: <a href="#">HVP054_SchDoc</a>		[Size: <a href="#">B</a> ]	
Engineer: <a href="#">Dimitri James</a>		Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>			

 **TEXAS  
INSTRUMENTS**

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**UCC21750QDWEVM-054**

**Input and Biasing**

**HS Bias**

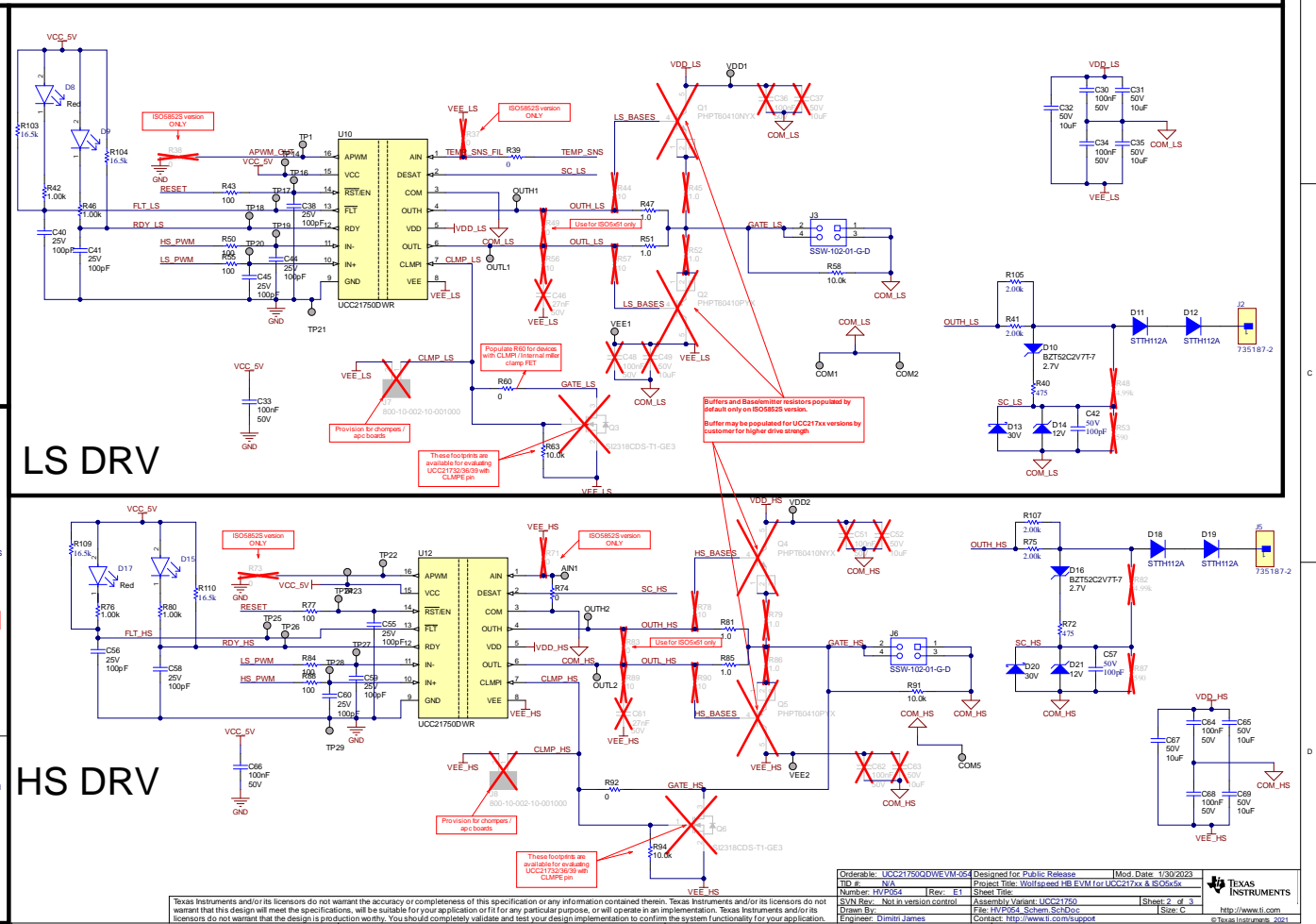
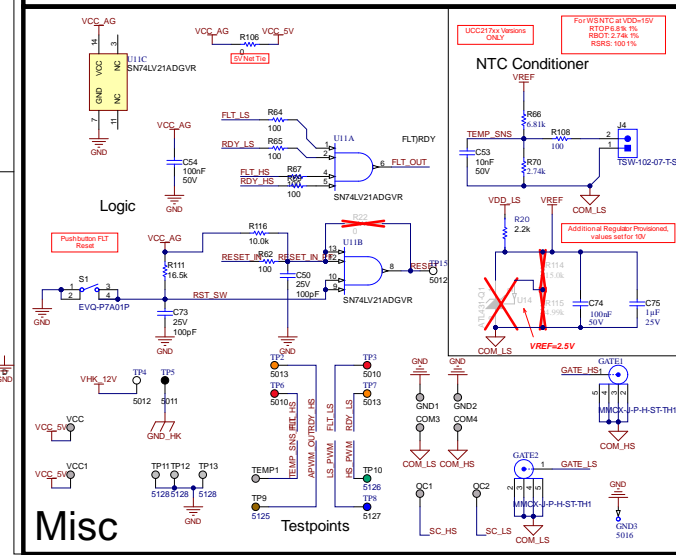
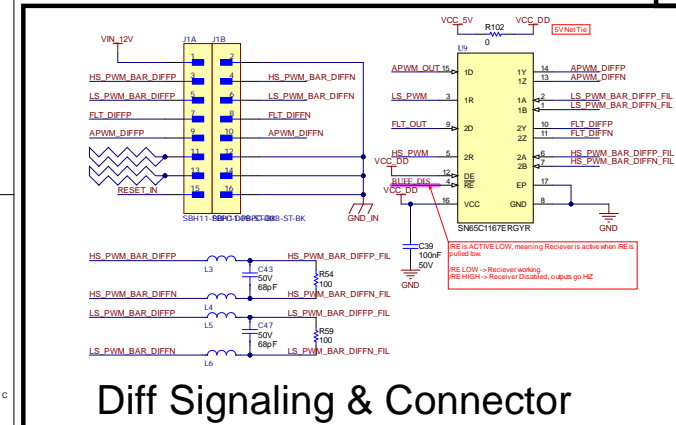
**LS Bias**

**Table 1: HS MOSFET Component Values**

Component	Value
R1	16.5k
R2	16.5k
R3	2.2k
R4	4.99k
R5	22k
R6	16.5k
R7	16.5k
R8	16.5k
R9	16.5k
R10	16.5k
R11	16.5k
R12	2.49k
R13	2.2k
R14	4.99k
R15	22k
R16	16.5k
R17	2.32M
R18	2.2k
R19	4.99k
R20	22k
R21	16.5k
R22	16.5k
R23	16.5k
R24	16.5k
R25	16.5k
R26	16.5k
R27	16.5k
R28	16.5k
R29	16.5k
R30	16.5k
R31	16.5k
R32	16.5k
R33	16.5k
R34	16.5k
R35	16.5k
R36	16.5k
R37	16.5k
R38	16.5k
R39	16.5k
R40	16.5k
R41	16.5k
R42	16.5k
R43	16.5k
R44	16.5k
R45	16.5k
R46	16.5k
R47	16.5k
R48	16.5k
R49	16.5k
R50	16.5k
R51	16.5k
R52	16.5k
R53	16.5k
R54	16.5k
R55	16.5k
R56	16.5k
R57	16.5k
R58	16.5k
R59	16.5k
R60	16.5k
R61	16.5k
R62	16.5k
R63	16.5k
R64	16.5k
R65	16.5k
R66	16.5k
R67	16.5k
R68	16.5k
R69	16.5k
R70	16.5k
R71	16.5k
R72	16.5k
R73	16.5k
R74	16.5k
R75	16.5k
R76	16.5k
R77	16.5k
R78	16.5k
R79	16.5k
R80	16.5k
R81	16.5k
R82	16.5k
R83	16.5k
R84	16.5k
R85	16.5k
R86	16.5k
R87	16.5k
R88	16.5k
R89	16.5k
R90	16.5k
R91	16.5k
R92	16.5k
R93	16.5k
R94	16.5k
R95	16.5k
R96	16.5k
R97	16.5k
R98	16.5k
R99	16.5k
R100	16.5k

**Table 2: LS MOSFET Component Values**

Component	Value
R1	16.5k
R2	16.5k
R3	2.2k
R4	4.99k
R5	22k
R6	16.5k
R7	16.5k
R8	16.5k
R9	16.5k
R10	16.5k
R11	16.5k
R12	2.49k
R13	2.2k
R14	4.99k
R15	22k
R16	16.5k
R17	2.32M
R18	2.2k
R19	4.99k
R20	22k
R21	16.5k
R22	16.5k
R23	16.5k
R24	16.5k
R25	16.5k
R26	16.5k
R27	16.5k
R28	16.5k
R29	16.5k
R30	16.5k
R31	16.5k
R32	16.5k
R33	16.5k
R34	16.5k
R35	16.5k
R36	16.5k
R37	16.5k
R38	16.5k
R39	16.5k
R40	16.5k
R41	16.5k
R42	16.5k
R43	16.5k
R44	16.5k
R45	16.5k
R46	16.5k
R47	



FID1

FID2

FID3

FID4

FID5

FID6

PCB Number: HVP054

PCB Rev: E1

Logo1

PCB

LOGO

Texas Instruments

DANGER HIGH VOLTAGE

Logo4

CE Mark

Logo3

PCB

LOGO

Pb-Free Symbol

LBL1

PCB Label

THT-14-423-10

Size: 0.65" x 0.20"

ZZ1

Label Assembly Note

This Assembly Note is for PCB labels only

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.

Variant/Label Table

Variant	Label Text
001	ChangeMe!
002	ChangeMe!

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Designed for: Public Release

Mod. Date: 9/2/2022

TID #: N/A

Project Title: Wolfsped HB EVM for UCC217xx & ISO5xx

Number: HVP054

Rev: E1

Sheet Title:

SVN Rev: Not in version control

Assembly Variant: UCC21750

Sheet: 3 of 6

Drawn By:

File: HVP054\_Hardware.SchDoc

Size: B

Engineer: Dimitri James

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