

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

PROJECT NOTES

PCB REQUIREMENTS:

1. FINISH PCB THICKNESS TO BE 0.062" BEFORE CONFORMAL COATING (IF SPECIFIED)
2. SOLDER MASK TO BE BLUE, MASK BOTH SIDES OF PCB
3. COPPER LAYER THICKNESSES TO BE 1OZ OR 1.4MIL
4. SILK SCREEN COLOR TO BE WHITE, SILK SCREEN BOTH SIDES (IF DATA AVAILABLE)
5. ALL PADS TO BE PLATED WITH LEAD-FREE HASL
6. PCB TO BE BUILT TO IPC-A-600 AND ASSEMBLED TO IPC-610-A CLASS 2 STANDARDS OR AS APPROVED
7. CUTOUT EDGES TO BE LEFT UNPLATED AND FREE OF BURS
8. PCB MATERIAL TO BE FR-4 UL94-V0
9. COMPONENTS TO BE SOLDERED TO PCB USING Sn96.5Ag3.0Cu0.5 OR APPROVED LEAD-FREE RoHS SOLDER ALLOY AND NO-CLEAN FLUX
10. PCB TO BE ELECTRICALLY TESTED BEFORE ASSEMBLY, ASSEMBLY TO BE TESTED WHEN ASSEMBLED

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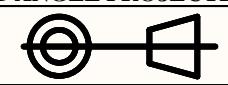
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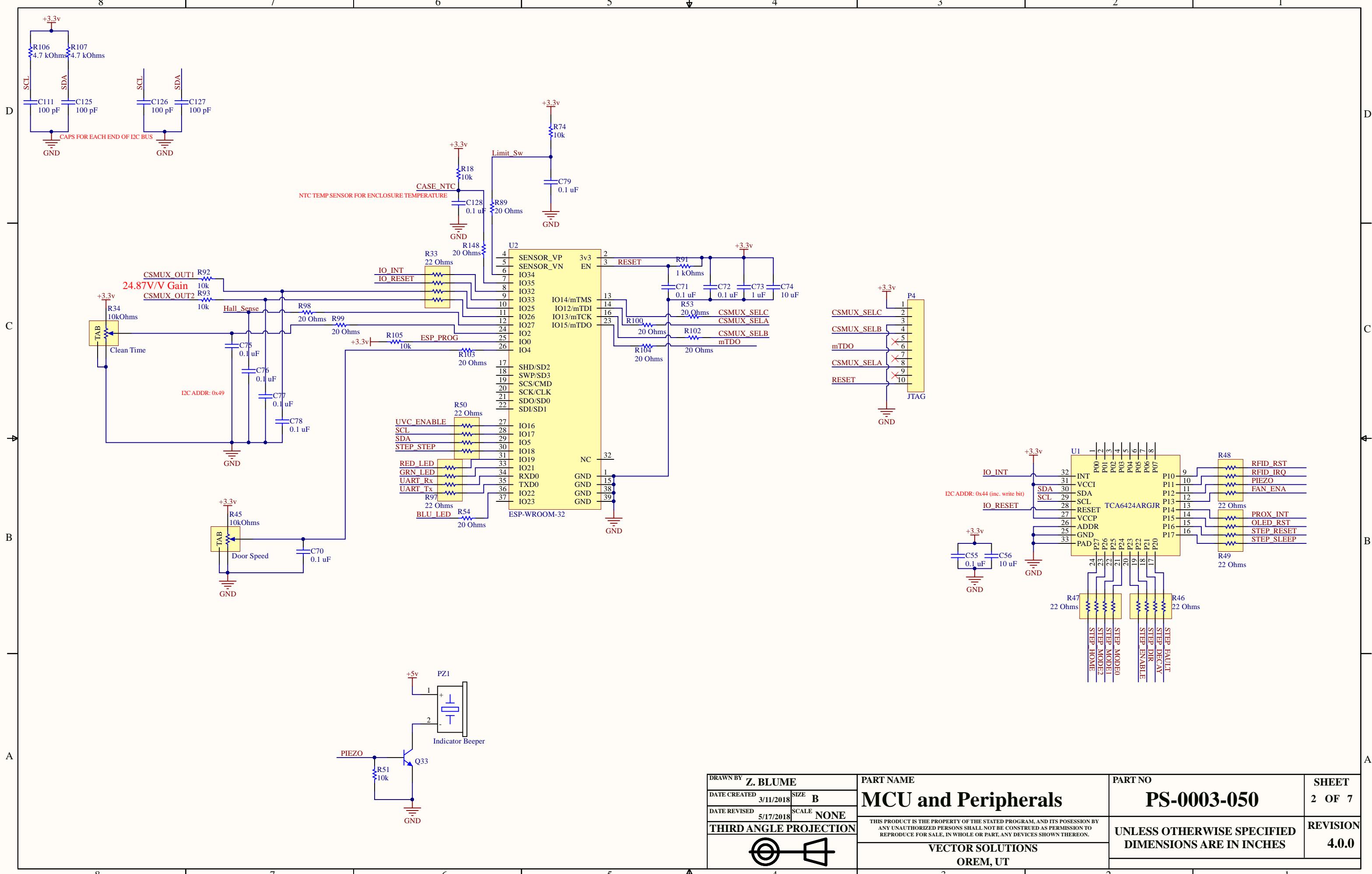
B

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A

A

DRAWN BY Z. BLUME	PART NAME Med+ Main PCBA	PART NO PS-0003-050	SHEET 1 OF 7
DATE CREATED 3/11/2018	SIZE B		
DATE REVISED 5/17/2018	SCALE NONE		
THIRD ANGLE PROJECTION			
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		VECTOR SOLUTIONS OREM, UT	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
			REVISION 4.0.0



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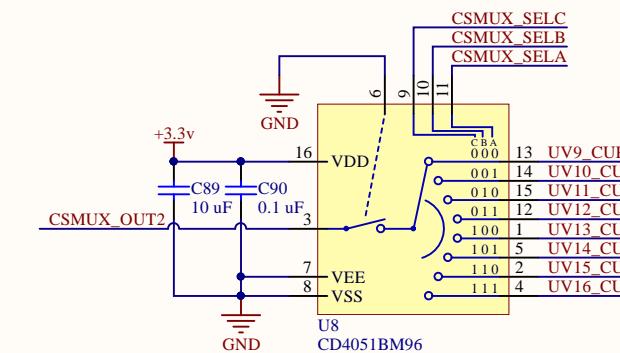
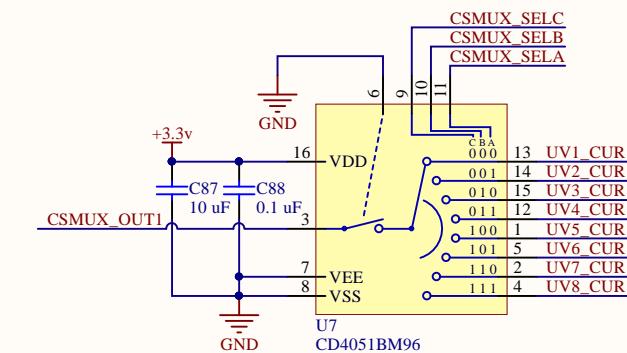
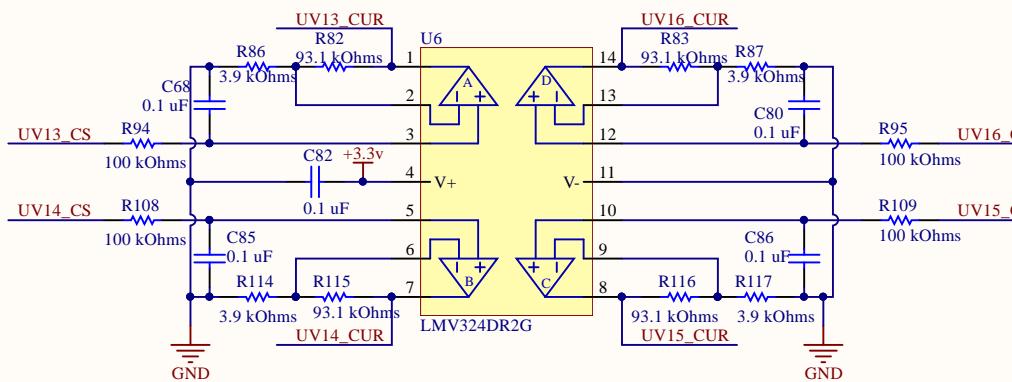
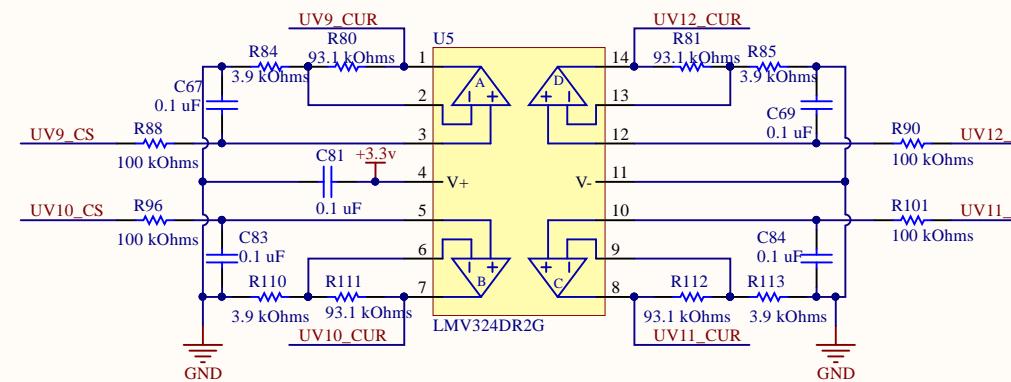
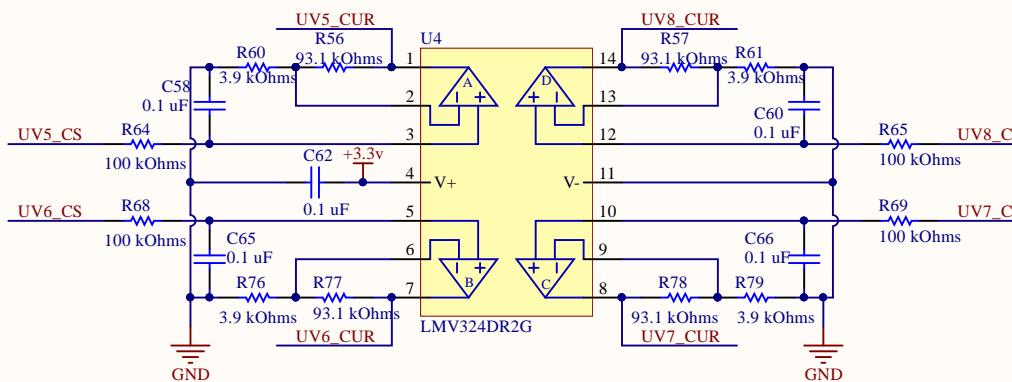
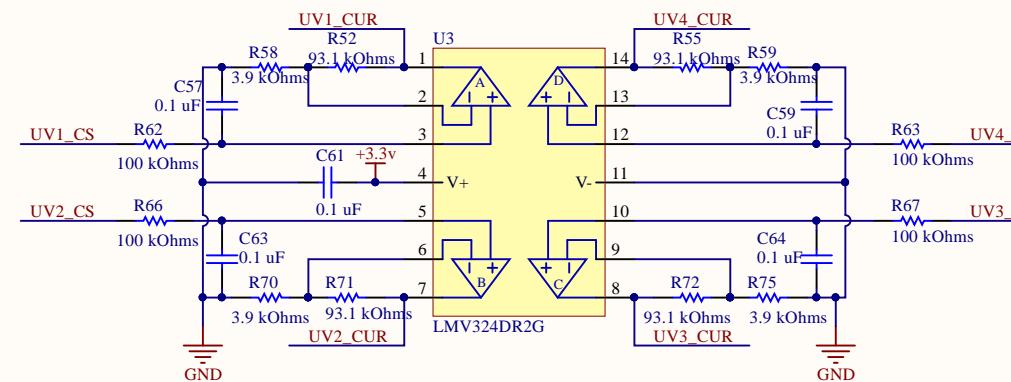
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DRAWN BY Z. BLUME

DATE CREATED 3/11/2018

DATE REVISED 5/17/2018

THIRD ANGLE PROJECTION



PART NAME

Analog Ckts

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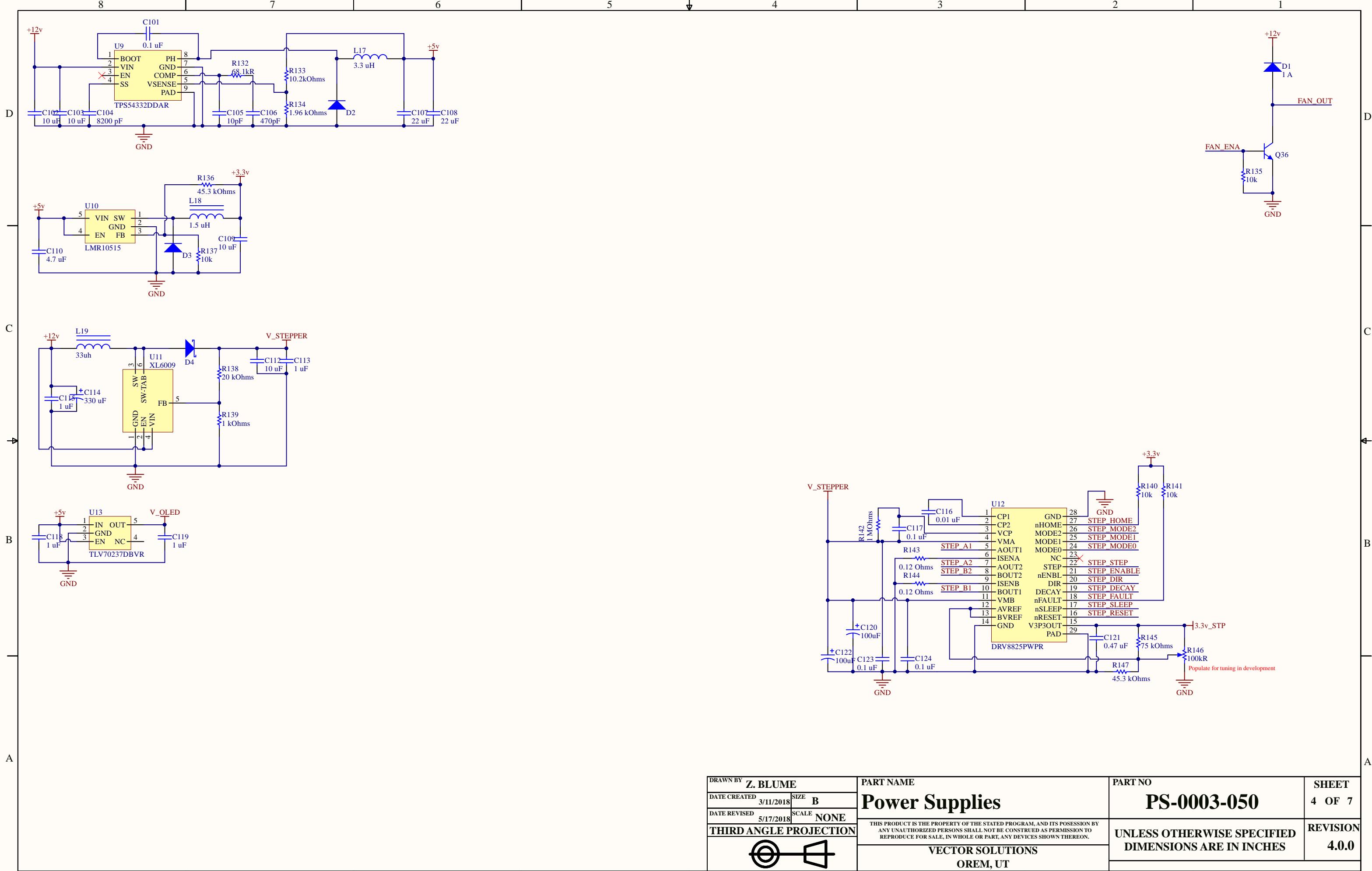
PART NO

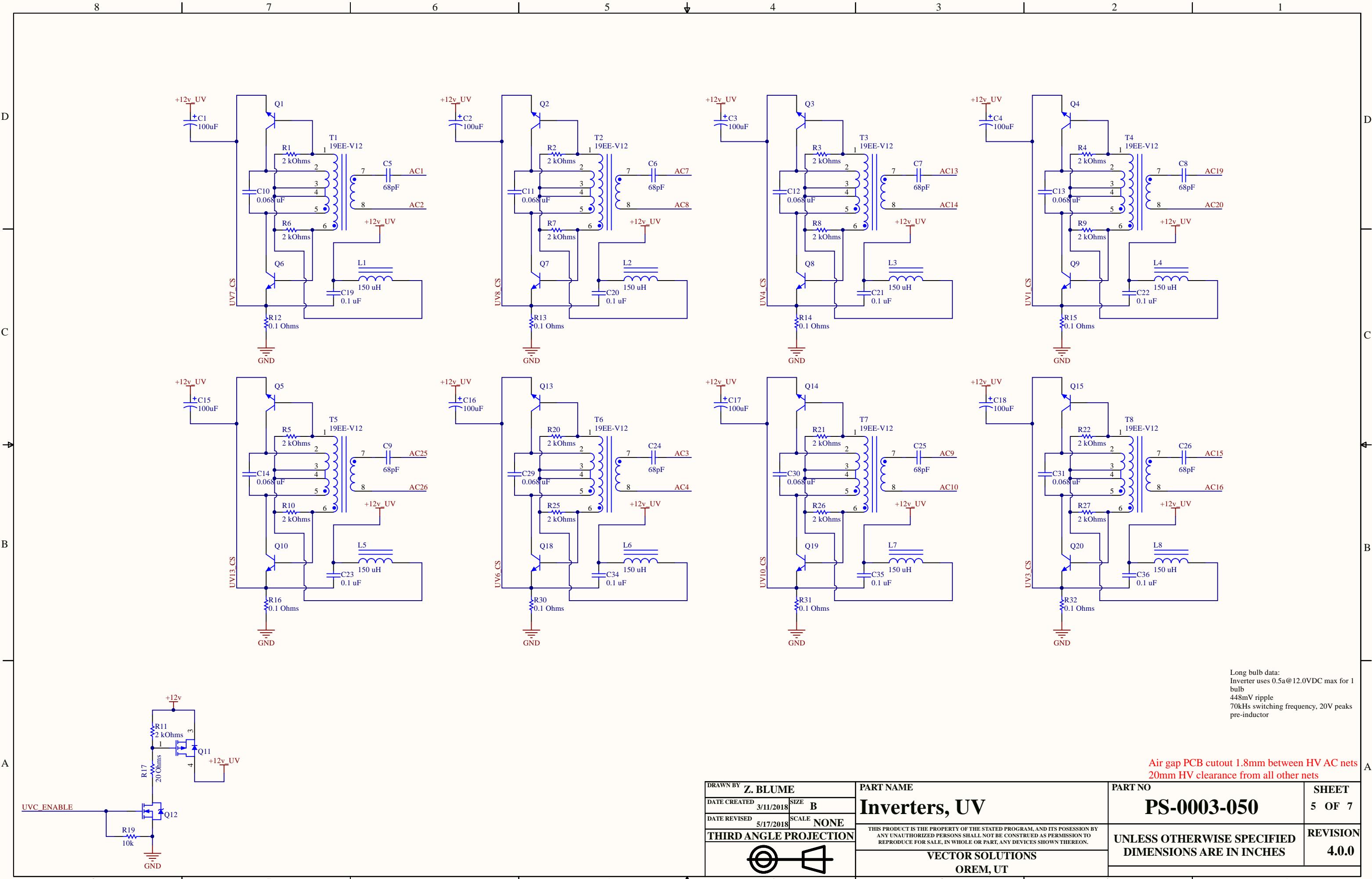
PS-0003-050

SHEET

3 OF 7

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHESREVISION
4.0.0





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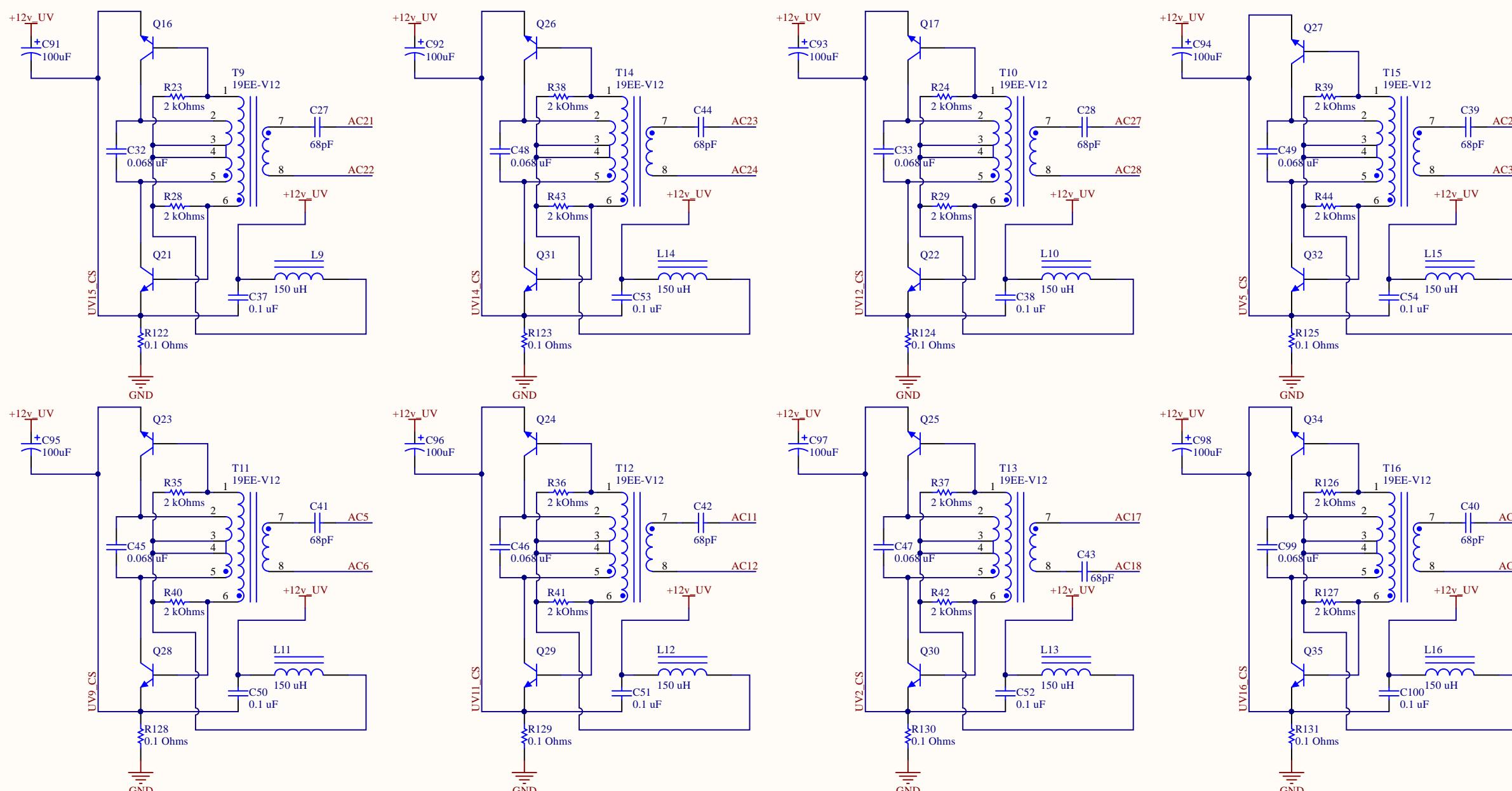
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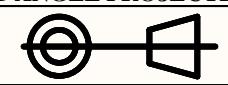
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Long bulb data:
Inverter uses 0.5a@12.0VDC max for 1 bulb
448mV ripple
70kHz switching frequency, 20V peaks pre-inductor

Air gap PCB cutout 1.8mm between HV AC nets
20mm HV clearance from all other nets

DRAWN BY	Z. BLUME	PART NAME	PART NO	SHEET
DATE CREATED	3/11/2018	SIZE	PS-0003-050	6 OF 7
DATE REVISED	5/17/2018	SCALE		
THIRD ANGLE PROJECTION				
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VECTOR SOLUTIONS OREM, UT				4.0.0

