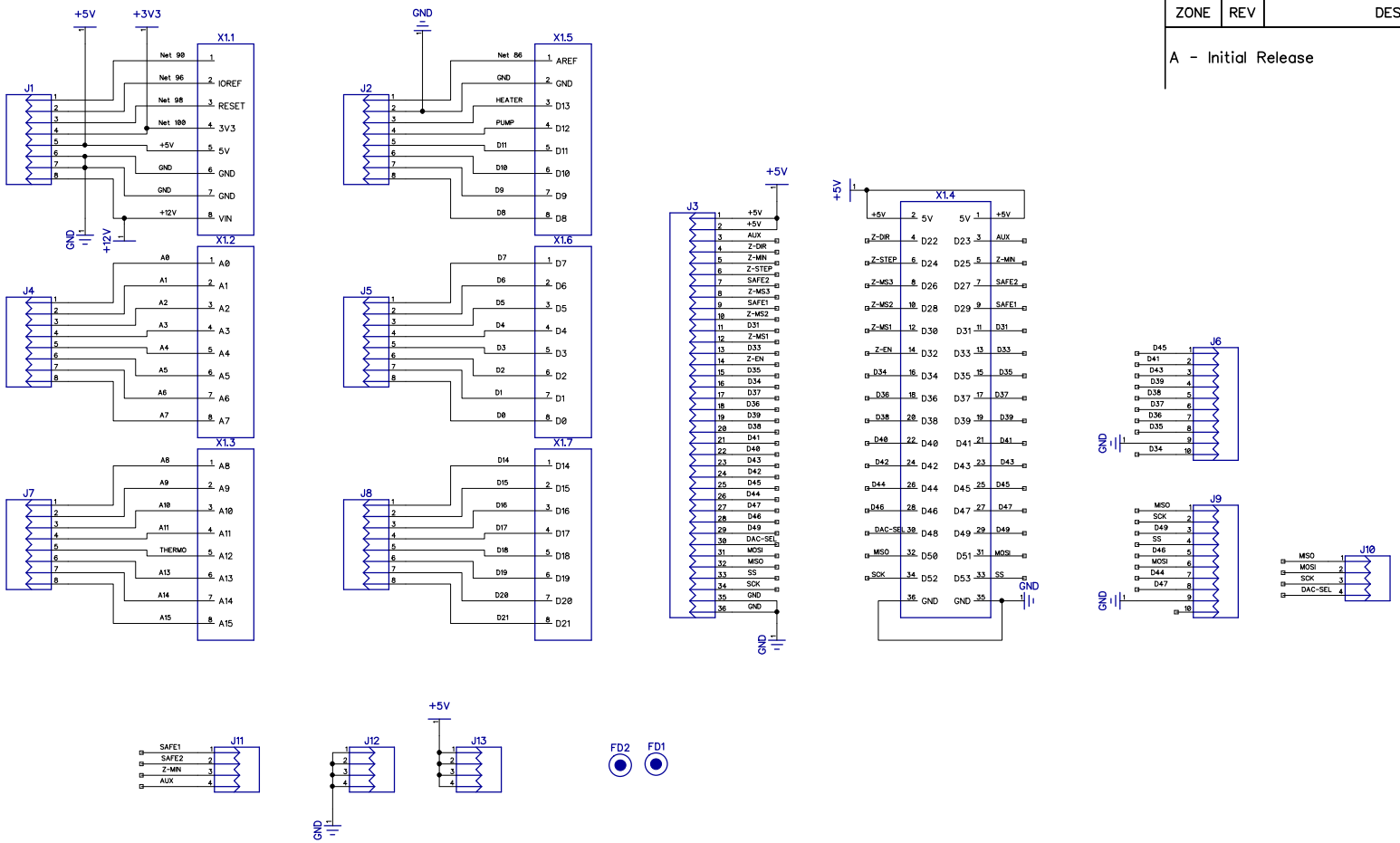

REVISIONS				
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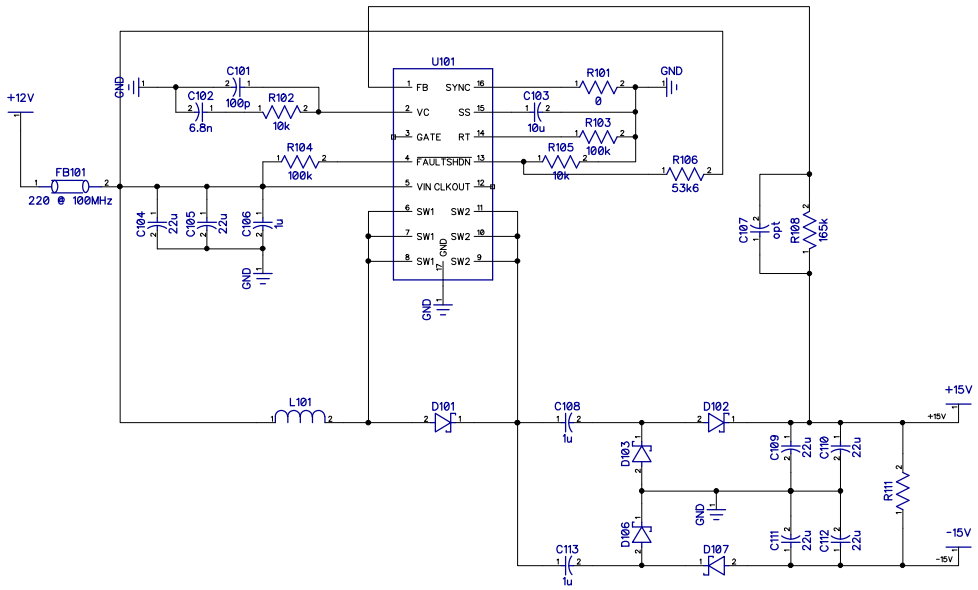
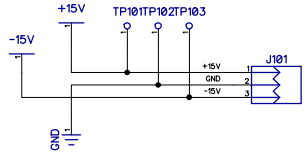
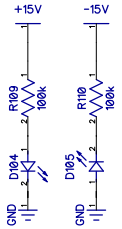
B - Changed switcher to charge pump type







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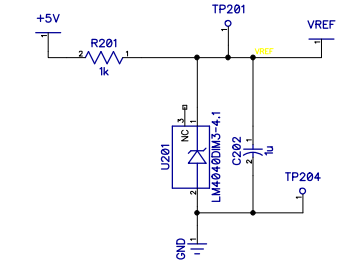
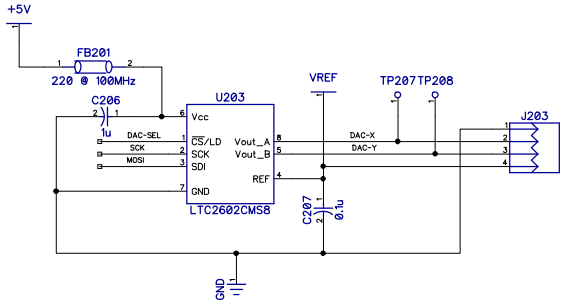
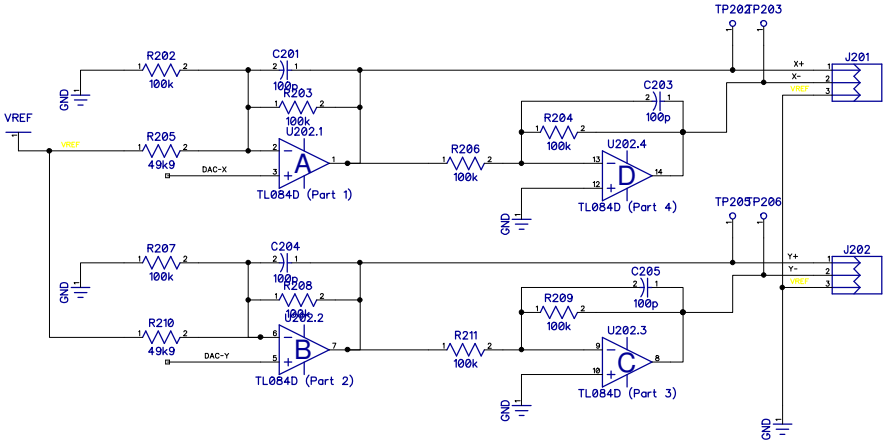
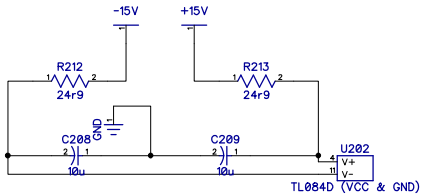
4V reference









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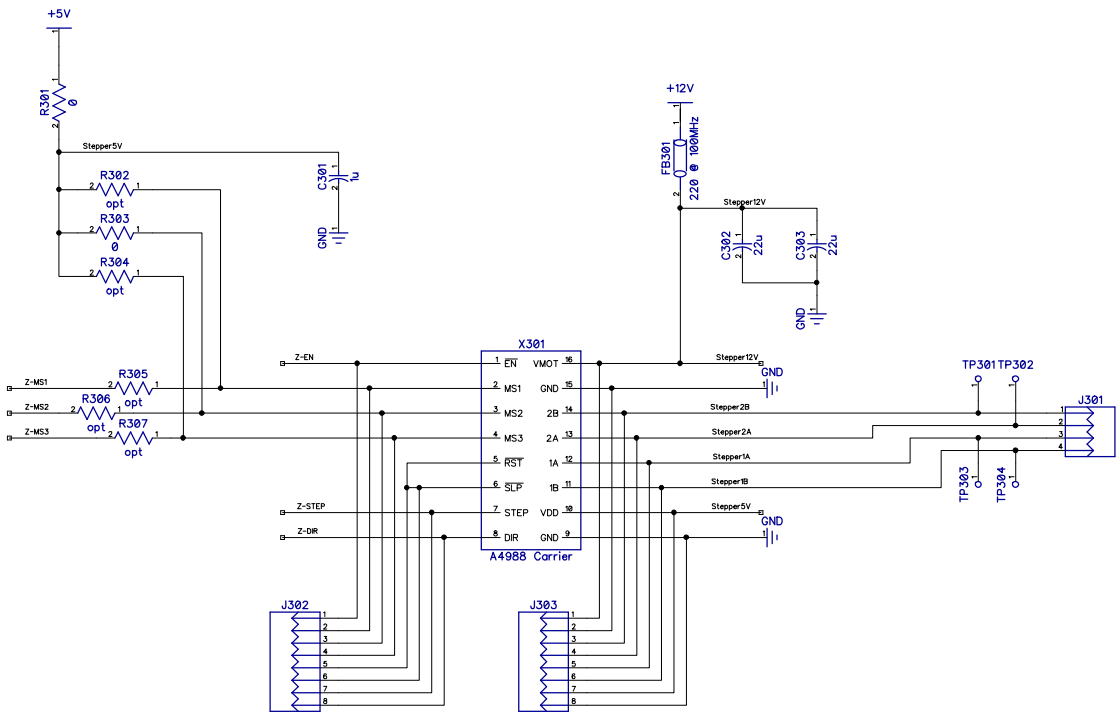

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Resin Shield		
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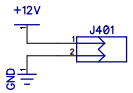
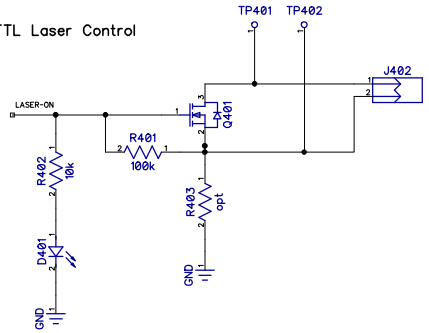
Fan Supply



TTL Laser Control



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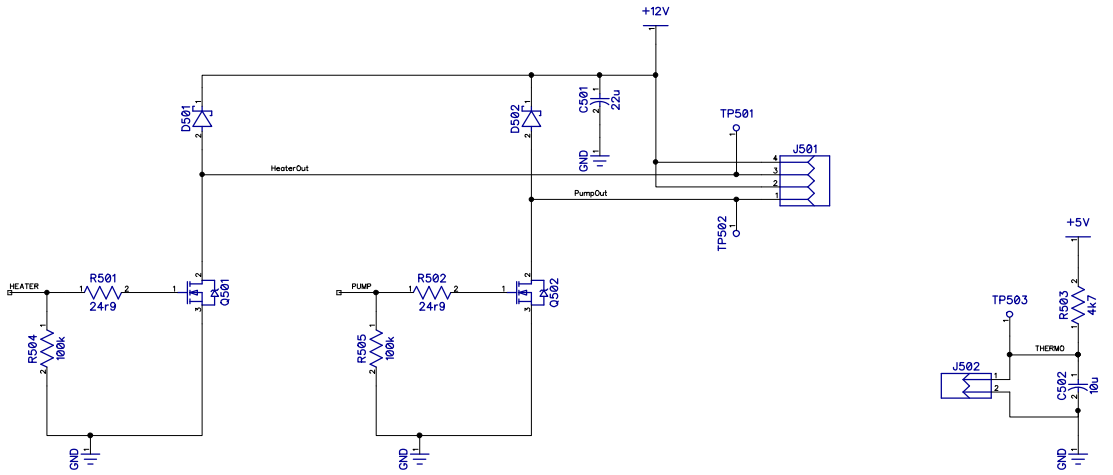

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RefDes	Name	Value	Quantity	Pattern
C101, C201, C203, C204, C205	CAP_0603	100p	5	CAP_0603
C102	CAP_0603	6.8n	1	CAP_0603
C103, C208, C209, C502	CAP_0805	10u	4	CAP_0805
C104, C105, C109, C110, C111, C112, C302, C303, C501	CAP_1210	22u	9	CAP_1210
C106, C108, C113, C202, C206	CAP_0805	1u	5	CAP_0805
C107	CAP_0603	opt	1	CAP_0603
C207	CAP_0805	0.1u	1	CAP_0805
C301	PPTC081LFBN-RC	1u	1	CAP_0805
D101, D102, D103, D106, D107, D501, D502	PMEG4020ETP		7	SOD-128
D104, D105, D401	APL3015SRCPRV-F01		3	APL3015
FB101, FB201, FB301	BLM18KG221SN1D	220 @ 100MHz	3	RES_0603
FD1, FD2	Fiducial		2	Fiducial
J1, J2, J4, J5, J7, J8	644456-8		6	HDR-1x8T/2.54/20x2
J3	90131-0138		1	HDR-2x18T/2.54x2.54/46x5
J6, J9	90131-0125		2	HDR-2x5T/2.54x2.54/13x5
J10, J11, J12, J13, J203, J301	644456-4		6	HDR-1x4T/2.54/10x2
J101	0022272031		1	Molex 3pin
J201, J202	B3B-XH-A		2	JST B3B-XH-A
J302, J303	PPTC081LFBN-RC		2	HDR-1x8T/2.54/20x2
J401, J402	B2B-XH-A		2	JST B2B-XH-A
J501	OSTVN04A150		1	TB-1x4/2.54/11x7/Sc_H
J502	644456-2		1	HDR-1x2T/2.54/5x2
L101	IHLP3232DZER330M11	33uH	1	IHLP3232CZER
Q401	2N7002		1	SOT23
Q501, Q502	IRLZ44N		2	TO-220
R101, R301, R303	RES_0603	0	3	RES_0603
R102, R105, R402	RES_0603	10k	3	RES_0603
R103, R104, R109, R110, R202, R203, R204, R206, R207, R208 R209, R211, R401, R504, R505	RES_0603	100k	15	RES_0603
R106	RES_0603	53k6	1	RES_0603
R108	RES_0603	165k	1	RES_0603
R111	RES_2512		1	RES_2512
R201	RES_0603	1k	1	RES_0603
R205, R210	RES_0603	49k9	2	RES_0603
R212, R213, R501, R502	RES_0603	24r9	4	RES_0603
R302, R304, R305, R306, R307, R403	RES_0603	opt	6	RES_0603
R503	RES_0603	4k7	1	RES_0603
TP101, TP102, TP103, TP201, TP202, TP203, TP204, TP205, TP206, TP207, TP208, TP301, TP302, TP303, TP304, TP401, TP402, TP501, TP502, TP503	TESTPOINT		20	Round
U101	LT3581EMSE		1	MSOP-16EP
U201	LM4040DIM3-4.1		1	SOT23
U202	TL084D		1	SOIC-14/150mil
U203	LTC2602CMS8		1	MSOP-8
X1	Arduino Mega		1	
X301	A4988 Carrier		1	

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