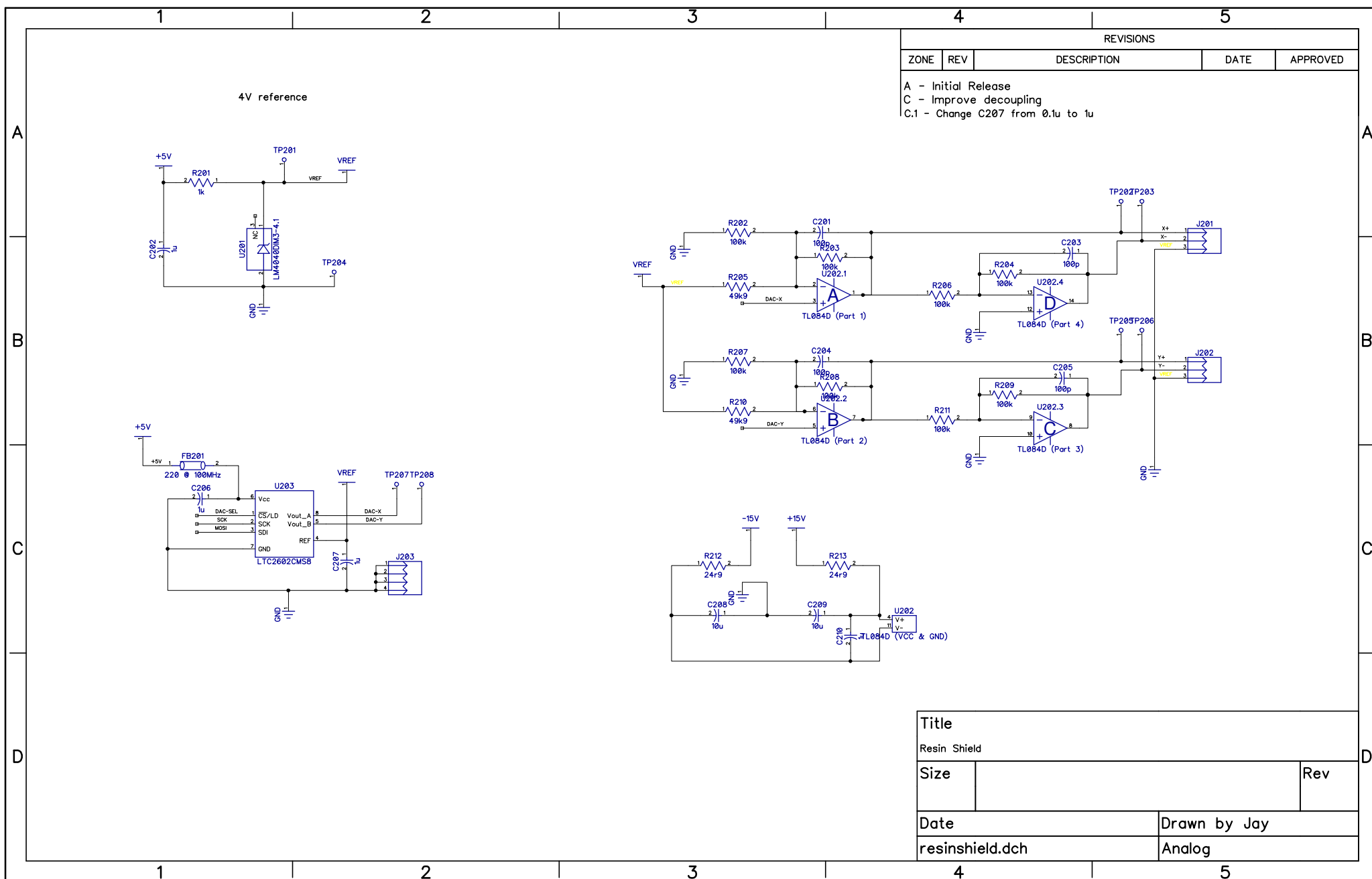
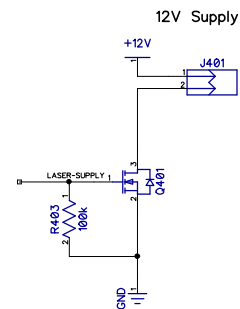
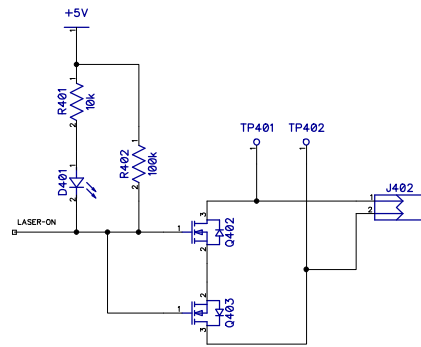


Title		
Resin Shield		
Size	Number	Rev
Date		Drawn by Jay
resinshield.dch		Power

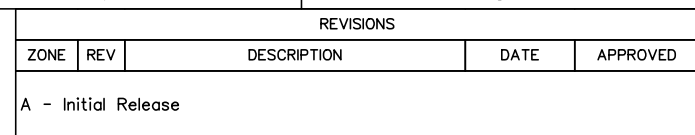


REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

- A - Initial Release
- C - Laser-ON was not assigned to a pin
- C - TTL drive requires back to back FETs



Title		
Resin Shield		
Size	Number	Rev
Date	Drawn by Jay	
resinshield.dch	Laser	



Title	
Resin Shield	
Size	Rev
Number	
Date	Drawn by Jay
resinshield.dch	Resin

A	1		2		3		4		5	
	RefDes		Name		Value	Quantity	Pattern		REVISIONS	
	C101, C102, C104, C108, C110, C113, C117, C118, C208, C209, C502		CAP_0805		10u	11	CAP_0805		ZONE	REV
	C103, C105, C112, C114, C115, C116, C202, C206, C207, C210, C301		CAP_0805		1u	11	CAP_0805		DESCRIPTION	
	C106, C109, C201, C203, C204, C205		CAP_0603		100p	6	CAP_0603		DATE	
	C107, C111		CAP_0603		6.8n	2	CAP_0603		APPROVED	
	C302, C303, C501		CAP_1210		22u	3	CAP_1210		A - Initial Release	
	D101, D104, D501, D502		PMEG4020ETP			4	SOD-128			
	D102, D103, D401		APL3015SRCPRV-F01			3	APL3015			
	FB101, FB102, FB201, FB301		BLM18KG221SN1D		220 @ 100MHz	4	RES_0603			
FD1, FD2, FD3		Fiducial			3	Fiducial				
B	J1, J2, J4, J5, J7, J8		644456-8			6	HDR-1x8T/2.54/20x2		B	
	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			
C	Q401, Q402, Q403		2N7002			3	SOT23		C	
	Q501, Q502		IRLZ44N			2	TO-220			
	R1, R302, R304, R305, R306, R307		RES_0603		opt	6	RES_0603			
	R101, R115		RES_1210		0	2	RES_1210			
	R102, R103, R108, R205, R210		RES_0603		49k9	5	RES_0603			
	R104, R106, R112, R113, R202, R203, R204, R206, R207, R208, R209, R211, R402, R403, R504, R505		RES_0603		100k	16	RES_0603			
	R105, R114		RES_0603		464k	2	RES_0603			
	R107, R111		RES_0603		24k9	2	RES_0603			
	R109		RES_0603		6k04	1	RES_0603			
	R110		RES_0603		53k6	1	RES_0603			
D	R201		RES_0603		1k	1	RES_0603		D	
	R212, R213, R501, R502		RES_0603		24r9	4	RES_0603			
	R301, R303		RES_0603		0	2	RES_0603			
	R401		RES_0603		10k	1	RES_0603			
	R503		RES_0603		4k7	1	RES_0603			
	T101, T102		SRF1260-150M		15uH	2	SRF1260			
	TP101, TP102, TP103, TP201, TP202, TP203, TP204, TP205, TP206, TP207, TP208, TP401, TP402, TP501, TP502, TP503		TESTPOINT			16	Round			
	U101		LT8582			1	4x7DFN			
	U102		NCP1117ST50T3G			1	SOT223-4			
	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					
1		2		3		4		5		

Title				
Resin Shield				
Size		Number		Rev
Date			Drawn by Jay	
resinshield.dch			Document	
1		2		5