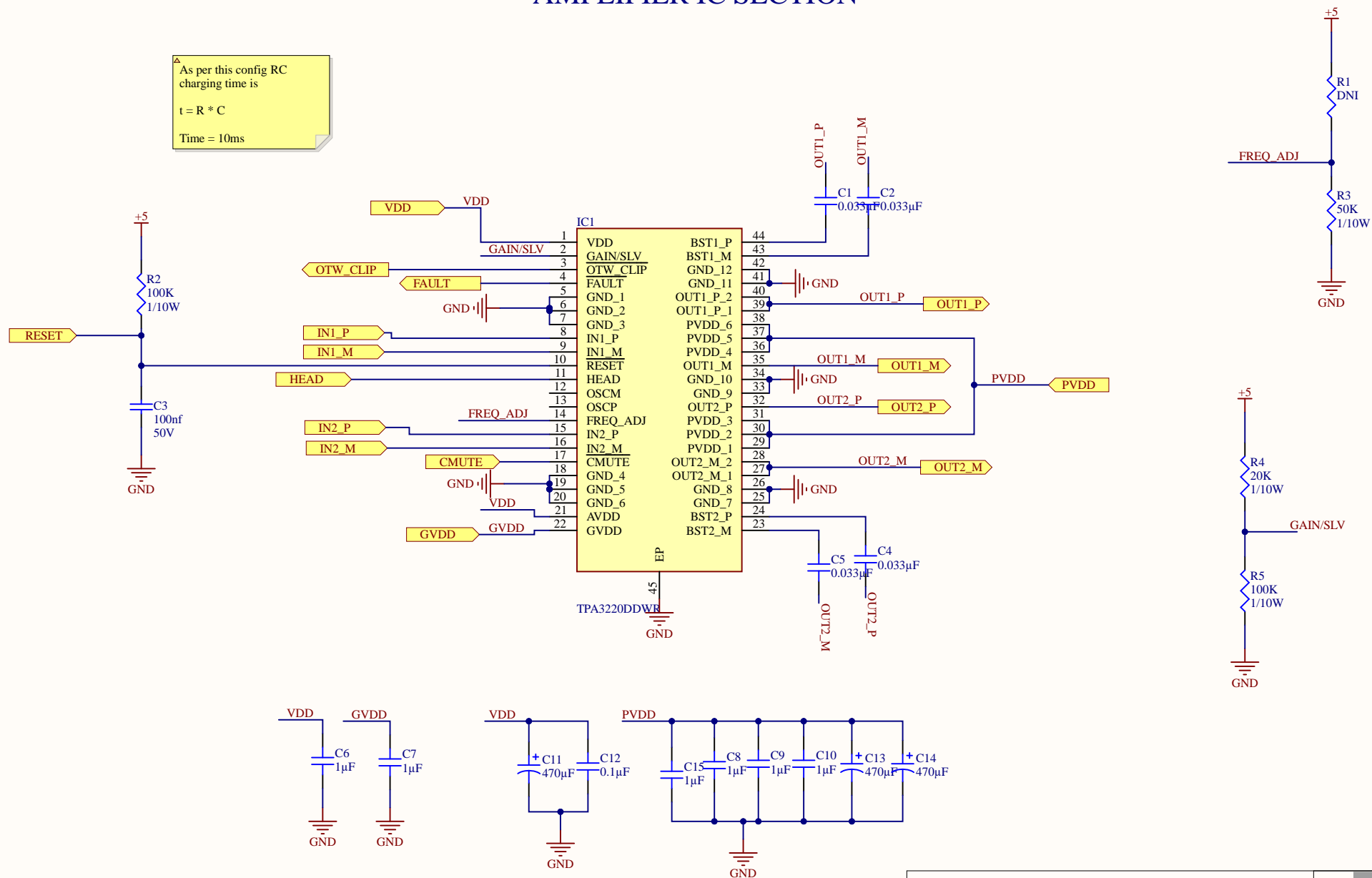

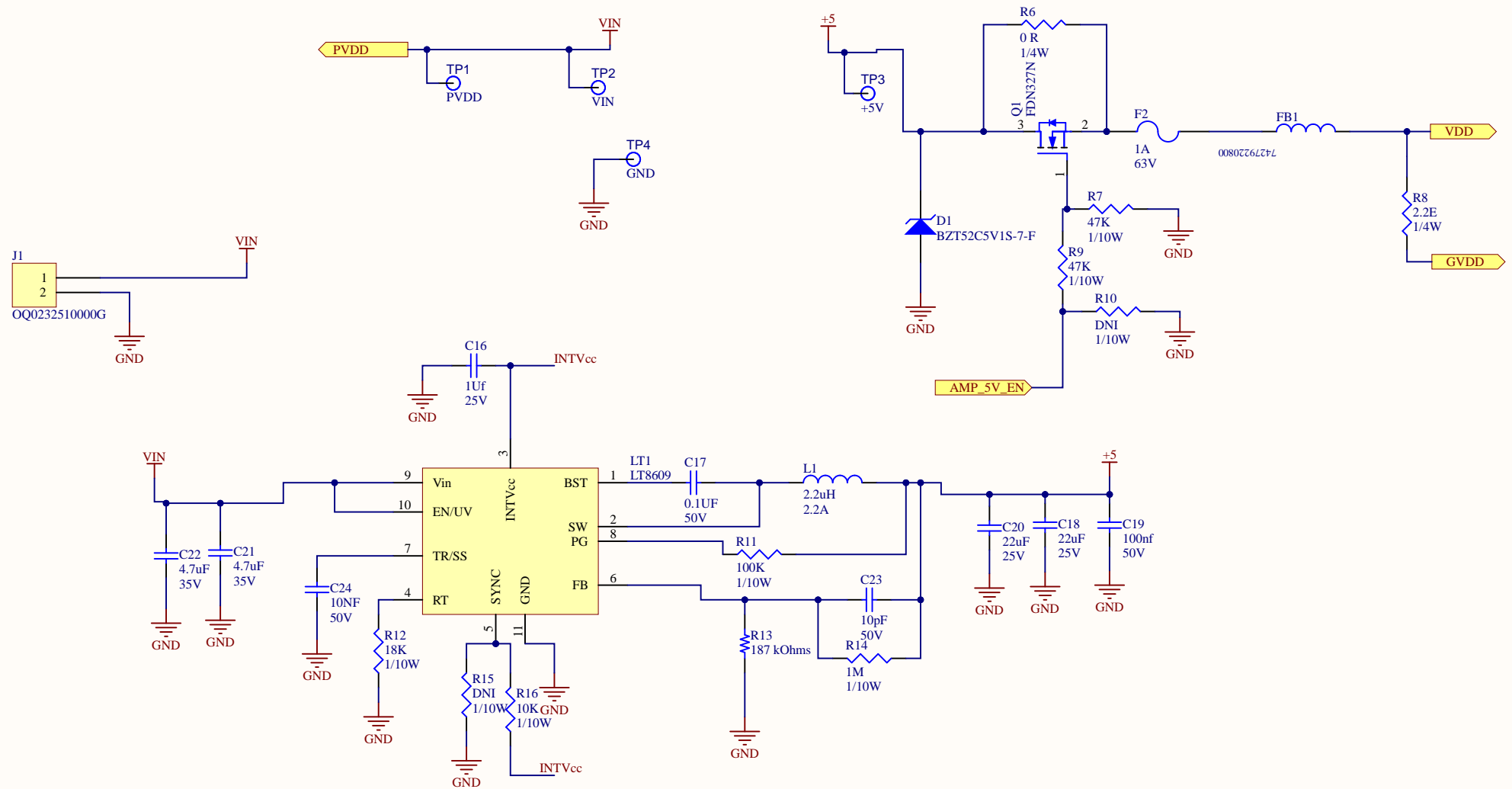



AMPLIFIER IC SECTION



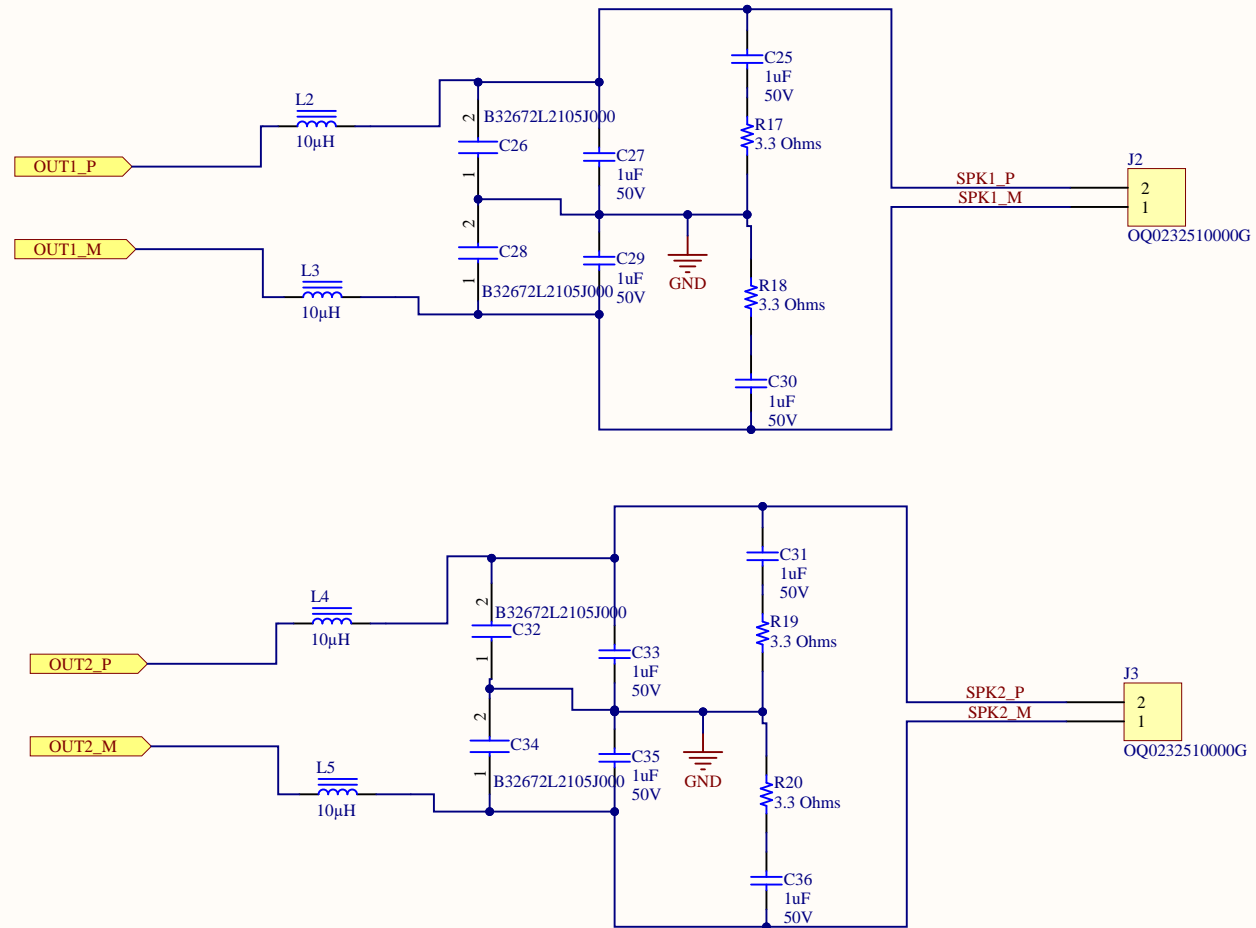
Title <i>D AMP</i>			 ELECTROCUTE
Size: A4	Author: Lovepreet Singh	Revision: 1.0	
Date: 30-08-2021	Time: 02:08:16 PM	Sheet 1 of 5	
File: C:\Users\Public\Documents\Altium\Projects\D AMP\Sheet1.SchDoc			


POWER SECTION



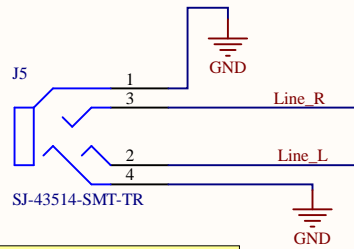
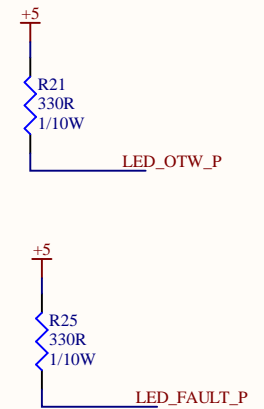
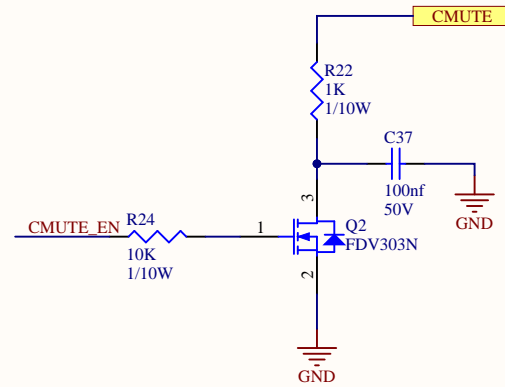
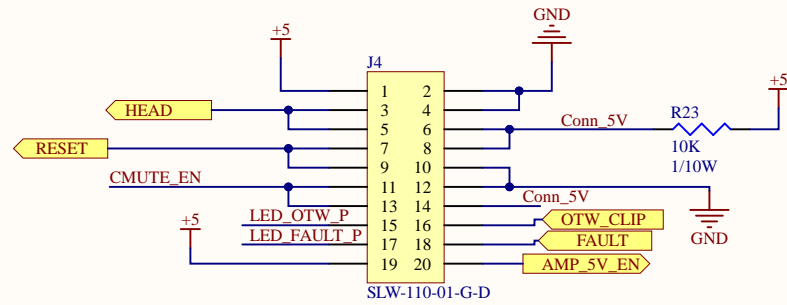
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File: C:\Users\Public\Documents\Altium\Projects\D AMP\Sheet2.SchDoc			

LPF SECTION

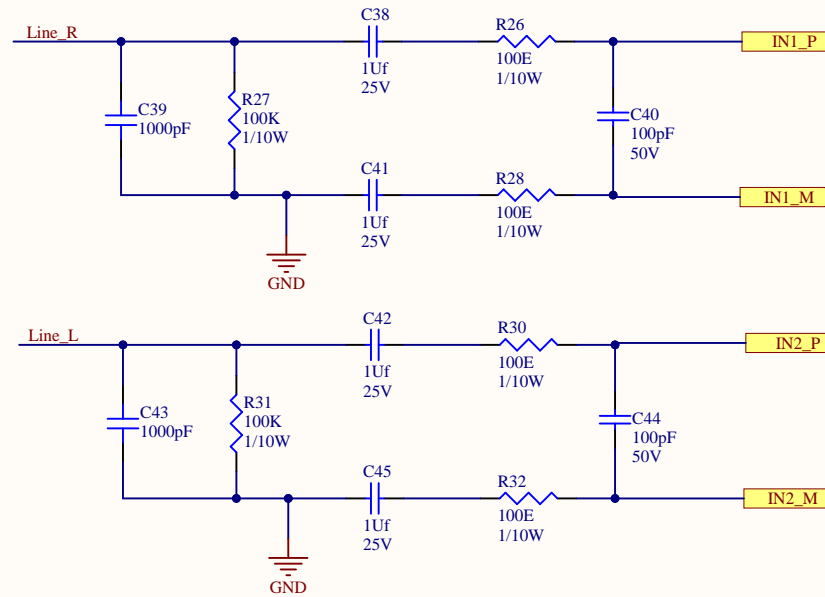



Title <i>D AMP</i>			
Size: A4	Author: Lovepreet Singh	Revision: 1.0	
Date: 30-08-2021	Time: 02:08:16 PM	Sheet 3 of 5	
File: C:\Users\Public\Documents\Altium\Projects\D AMP\Sheet3.SchDoc			

I/O CONNECTORS & Control

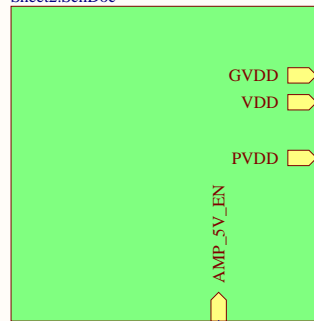


Audio 3.5mm Jack Pinout
 Pin 1 - MIC+
 Pin 2 - SPK Left+
 Pin 3 - SPK Right+
 Pin 4 - Ground

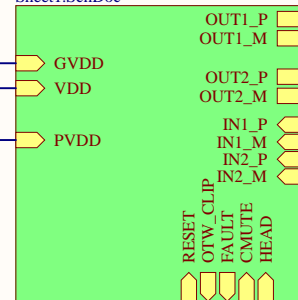


Title <i>D AMP</i>			
Size: A4	Author: Lovepreet Singh	Revision: 1.0	
Date: 30-08-2021	Time: 02:08:16 PM	Sheet 4 of 5	
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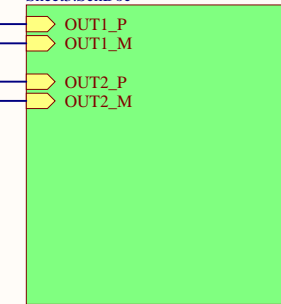
Power Section
Sheet2.SchDoc



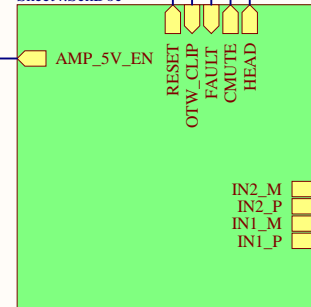
TPA3220
Sheet1.SchDoc




LPF Section
Sheet3.SchDoc



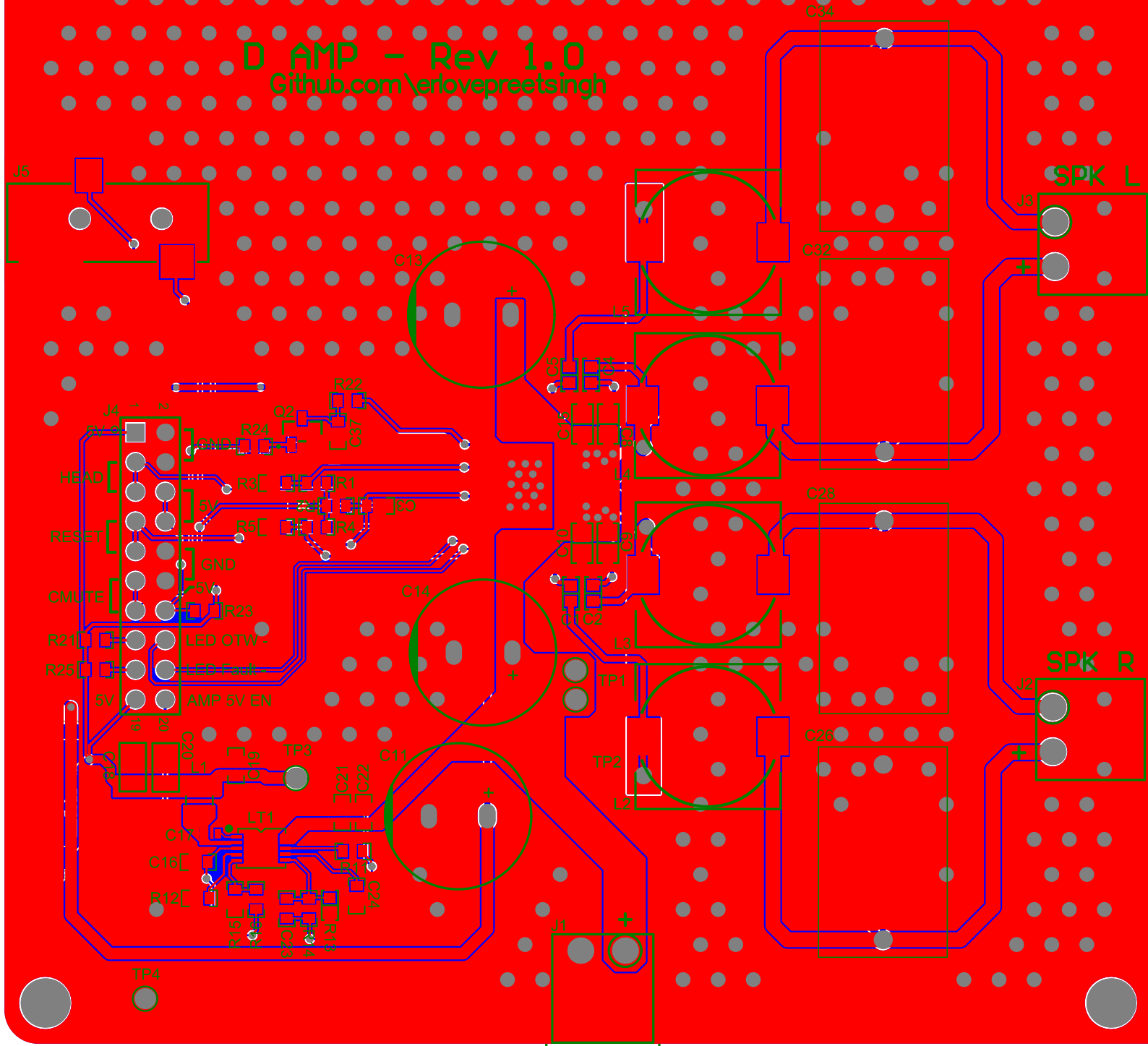
I/O Section & Ctrl
Sheet4.SchDoc



Title <i>D AMP</i>			
Size: A4	Author: Lovepreet Singh	Revision: 1.0	
Date: 30-08-2021	Time: 02:08:16 PM	Sheet 5 of 5	
File: C:\Users\Public\Documents\Altium\Projects\D AMP\ROOT_Sheet.SchDoc			

D AMP - Rev 1.0

Github.com\erlovepreetsingh



Part List					Bill of Materials for Project [D AMP.PrjPcb] (No PCB Document Sel
Source Data From:		D AMP.PrjPcb			
Project:		D AMP.PrjPcb			
Variant:		None			
Report Date: 30-08-2021		02:08 PM			
Print Date: 30-Aug-21		2:09:01 PM			
Designator	Comment	LibRef	Footprint	Description	
C1, C2, C4, C5	0.033µF	C1608X8R2A333K080AB	CAP 0603_1608	CAP CER 0.033UF 100V X8R 0603	
C3, C19, C37	100nf	CAP-00018	C0603	CAP CER 100NF 10% 50V X7R 0603	
C6, C7, C8, C9, C10, C15	1µF	GCM21BR71H105KA03L	CAP 0805_2012	CAP CER 1UF 50V X7R 0805	
C11, C13, C14	470µF	UBT1H471MHD	CAP TH ALUM ELEC D12.50mm S5.00mm H27.00mm	CAP 470UF 50V RAD	
C12	0.1µF	AC0805KKX8R9BB104	CAP 0805_2012	CAP CER 0805 10% X8R 50V 100NF	
C16, C38, C41, C42, C45	1uF	CAP-00113	C0603	CAP MLCC SMD 25V 1uF 10% X7R 0603	
C17	0.1UF	CAP-00148	2P0603R	CAP CER 0.1UF 10% 50V X7R 0603	
C18, C20	22uF	CAP-00019	C1206	CAP CER 22uF 20% 25V X5R 1206	
C21, C22	4.7uF	CAP-00063	C0603	CAP CER 4.7UF 20% 35V X5R 0603	
C23	10pF	CAP-00095	C0603	CAP 10PF 5% 50V 0603	
C24	10NF	CAP-00022	C0603	CAP CER 10NF 10% 50V X7R 0603	
C25, C27, C29, C30, C31, C33, C35, C36	1uF	CAP-00145	C0805	CAP 1uF 10% 50V X7R 0805	
C26, C28, C32, C34	B32672L2105J000	B32672L2105J000	B32672L2105J000	Capacitor	
C39, C43	1000pF	C0603C102K4RECAUTO	CAP 0603_1608	CAP CER 0603 1NF 16V X7R 10%	
C40, C44	100pF	CAP-00096	C0603	CAP 100PF 5% 50V 0603	
D1	BZT52C5V1S-7-F	DIO-00030	SOD-323	DIODE ZENER 5.1V 200MW SOD323	
F2	1A	FUZ-00001	FUSE1206	Fuse 1A 63V Slow Blow SMD 1206	
FB1	74279220800	FER-00017	L0805	IND FERRITE CHIP 80 OHM 4A 0805	
IC1	TPA3220DDWR	TPA3220DDWR	SOP64P810X120-45N	Integrated Circuit	
J1, J2, J3	OQ0232510000G	OQ0232510000G	FCI 06-381-2PIN	TERM BLOCK HDR 2POS 90DEG 3.81MM	
J4	SLW-110-01-G-D	CON-00033	HDR2X10	CONN HSG 20PIN 2.54MM STR DUALROW	
J5	SJ-43514-SMT-TR	SJ-43514-SMT-TR	CUI SJ-43514-SMT-TR	CONN JACK 4COND 3.5MM SMD R/A	
L1	2.2uH	IND-00008	CDMC252012	FIXED IND 2.2UH 2A 168 MOHM SMD	
L2, L3, L4, L5	10µH	SLF12575T-100M5R4-PF	TDK SLF12575	FIXED IND 10UH 5.4A 15.6 MOHM	
LT1	LT8609	IC-00055	MSOP-10	IC SWITCH REG O/P ADJ 3A I/P 4.5V -42V SMD 10MSOP	
Q1	FDN327N	TRS-00013	SOT23_123	MOSFET N-CH 20V 2A SSOT-3	
Q2	FDV303N	TRS-00003	SOT23_123	TRANS N-CH MOSFET 25V 0.68A SOT23	
R1, R10, R15	DNI	RES-00050, RES-00071	R0603	RES SMD 20K 1% 1/10W 0603, RES SMD DNI 0603	
R2, R5, R11, R27, R31	100K	RES-00024	R0603	RES SMD 100K 1% 1/10W 0603	
R3	50K	RES-00125	R0603	RES 50K OHM 1% 1/10W 0603	
R4	20K	RES-00050	R0603	RES SMD 20K 1% 1/10W 0603	
R6	0 R	RES-00030	R1206	RES SMD 0E 5% 1/4W 1206	
R7, R9	47K	RES-00032	R0603	RES SMD 47K 1% 1/10W 0603	
R8	2.2E	RES-00036	R1206	RES SMD 2.2E 1% 1/4W 1206	
R12	18K	RES-00122	R0603	RES 18K OHM 1% 1/10W 0603	
R13	187 kOhms	RT0603DRE07187KL	RES 0603_1608	RES SMD 187K OHM 0.5% 1/10W 0603	
R14	1M	RES-00027	R0603	RES SMD 1M 1% 1/10W 0603	
R16, R23, R24	10K	RES-00012	R0603	RES SMD 10K 1% 1/10W 0603	
R17, R18, R19, R20	3.3 Ohms	CROW08053R30FKEAHP	RES 0805_2012	RES SMD 3.3 OHM 1% 1/2W 0805	
R21, R25	330R	RES-00132	R0603	RES SMD 330R 5% 1/10W 0603	
R22	1K	RES-00017	R0603	RES SMD 1K 1% 1/10W 0603	
R26, R28, R30, R32	100E	RES-00018	R0603	RES SMD 100E 1% 1/10W 0603	