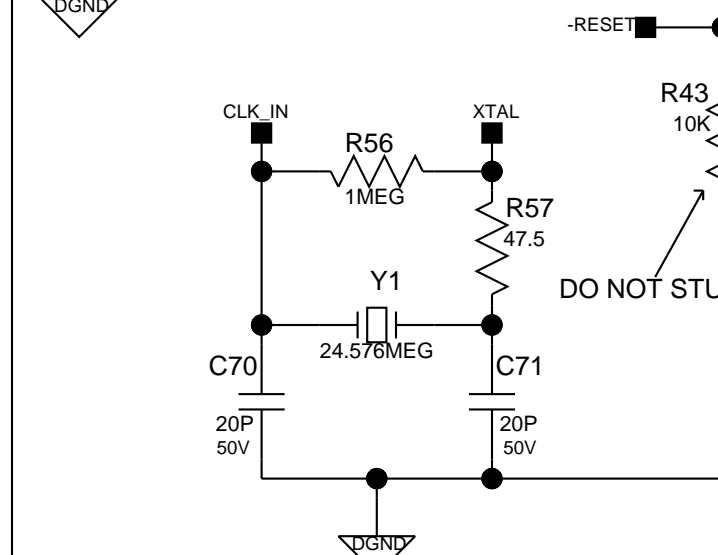
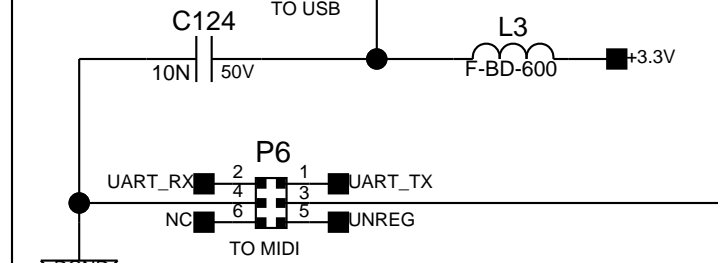
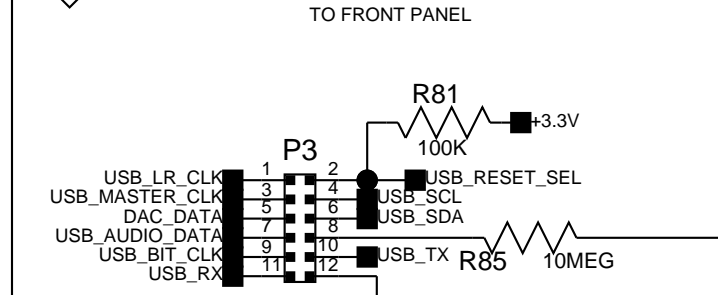
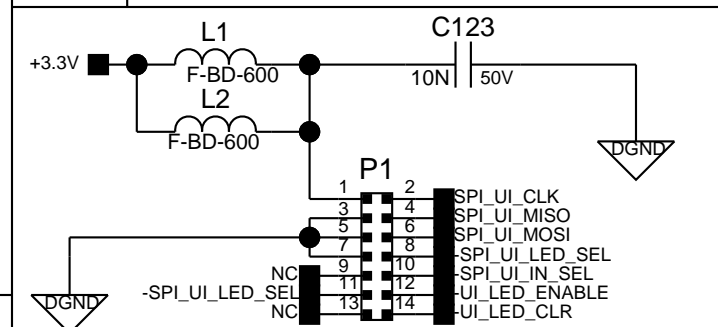
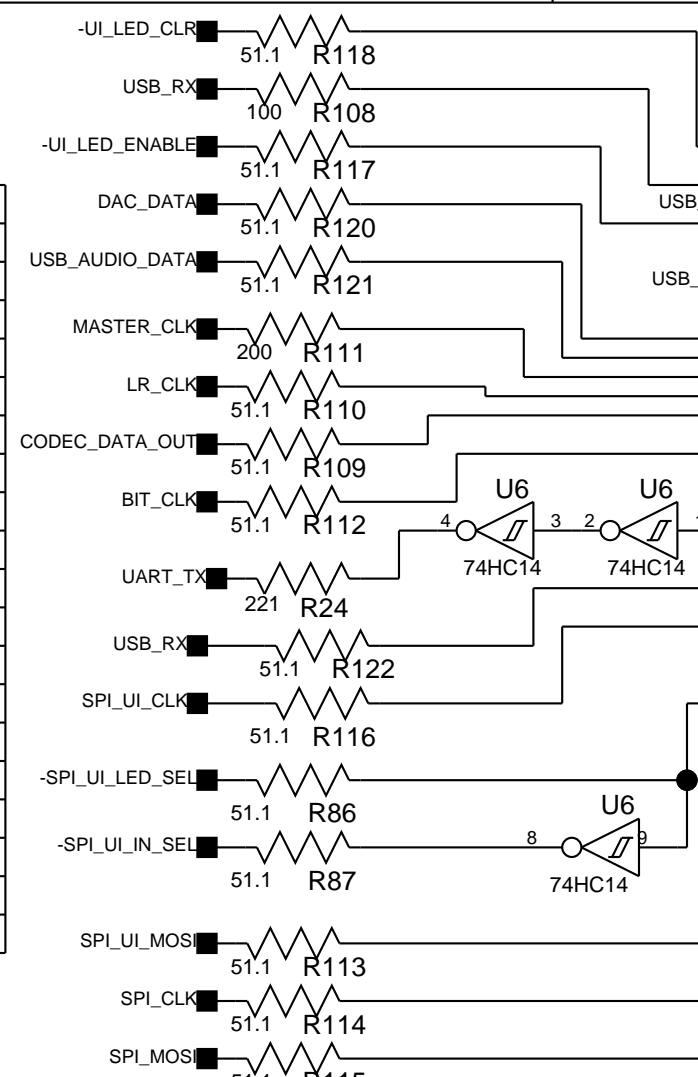
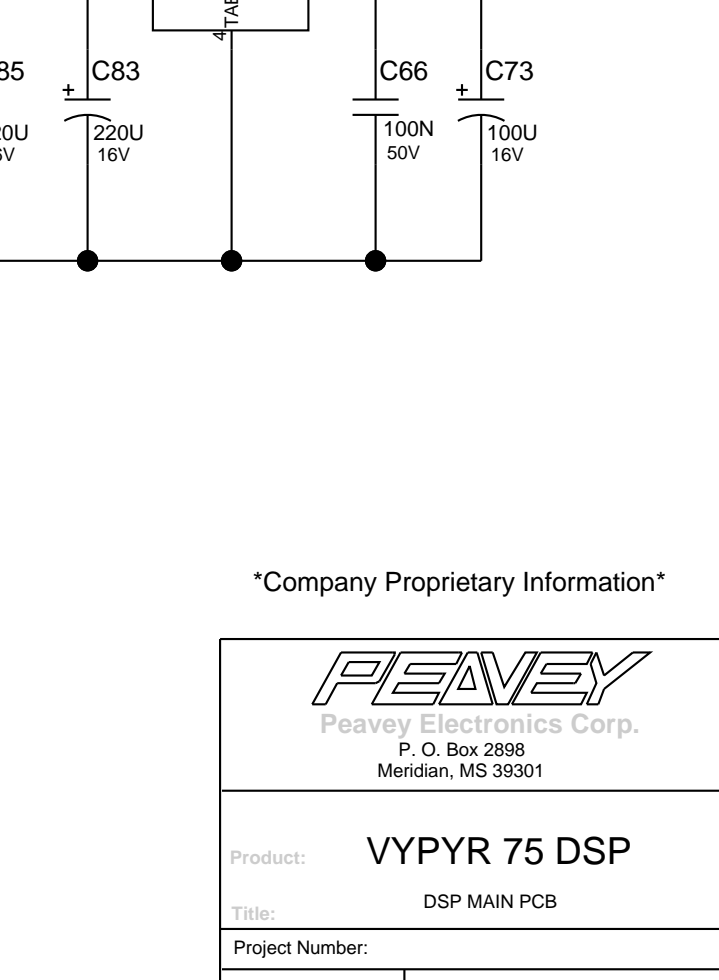
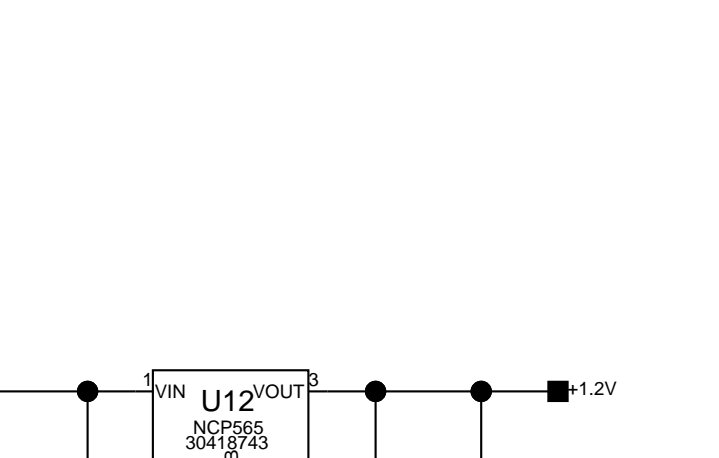
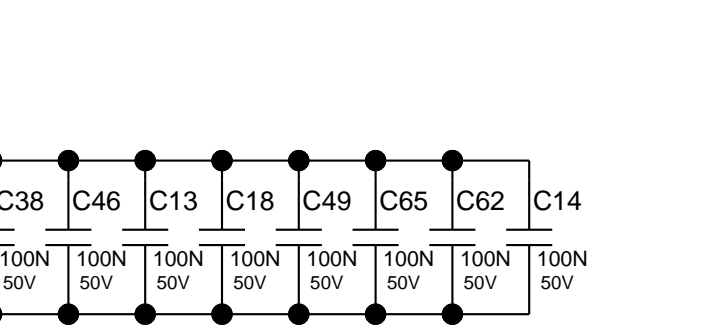
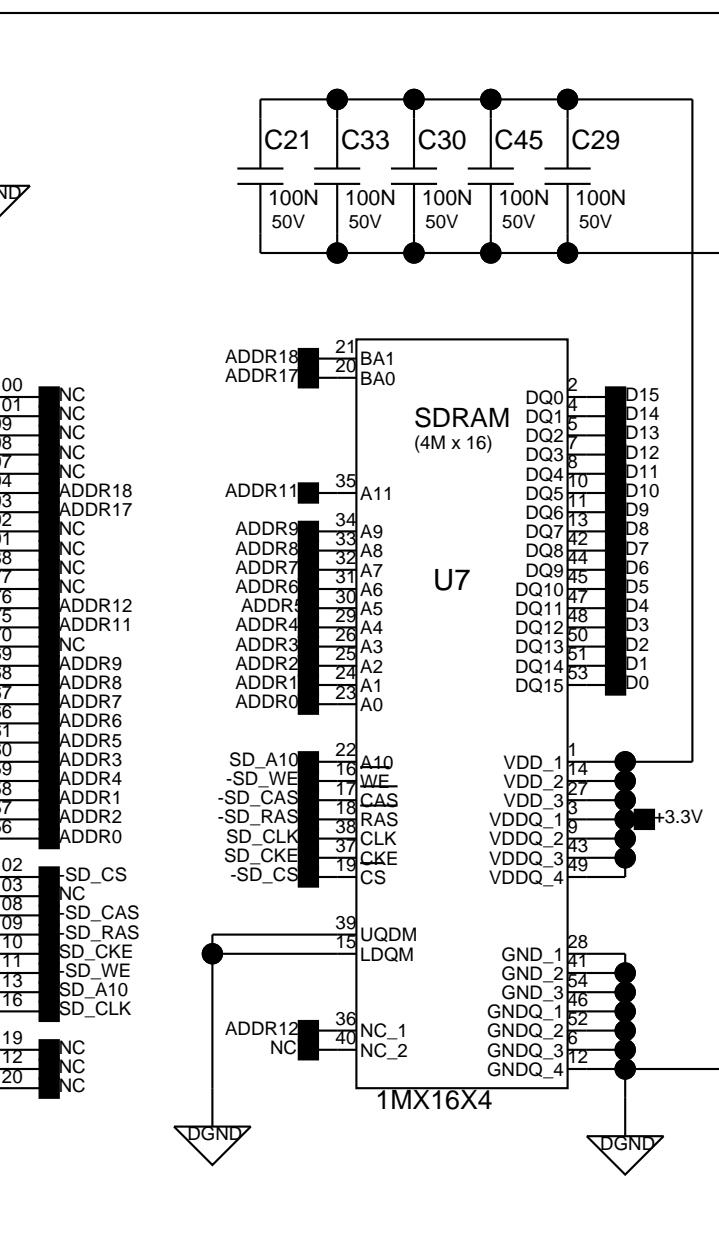
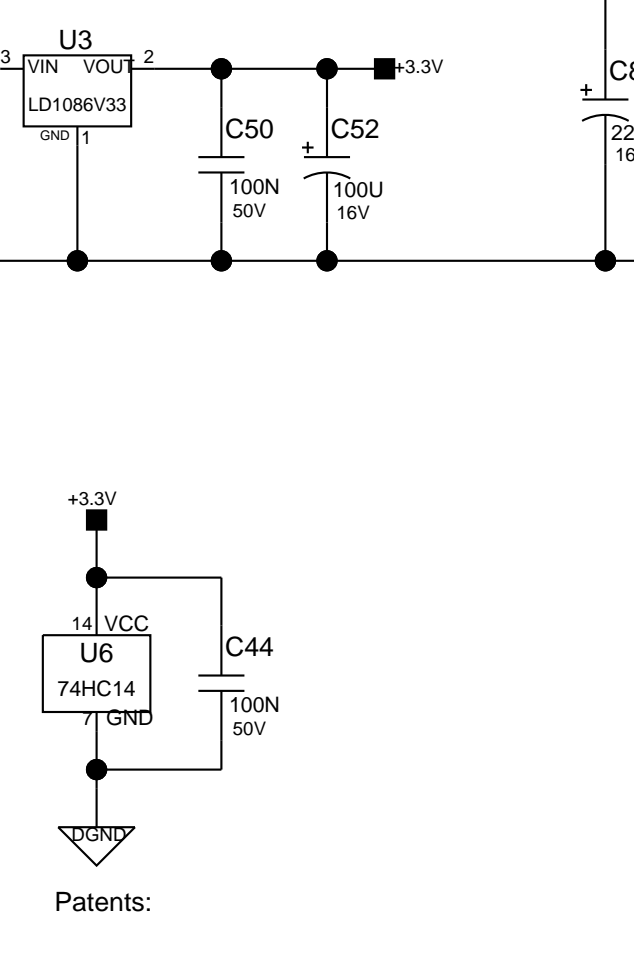
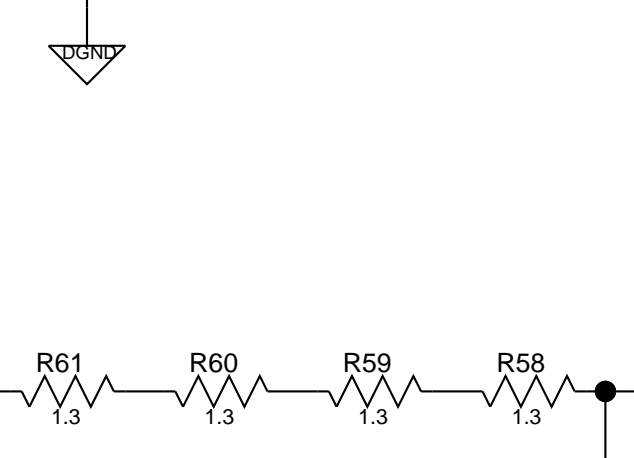
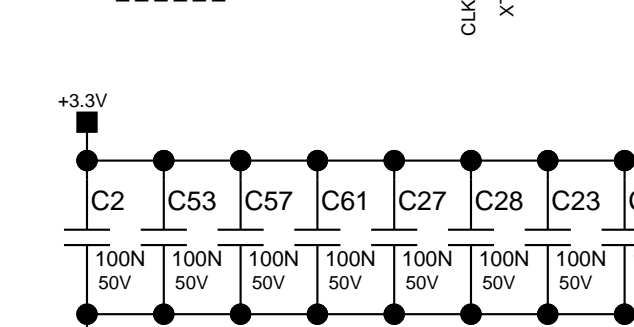
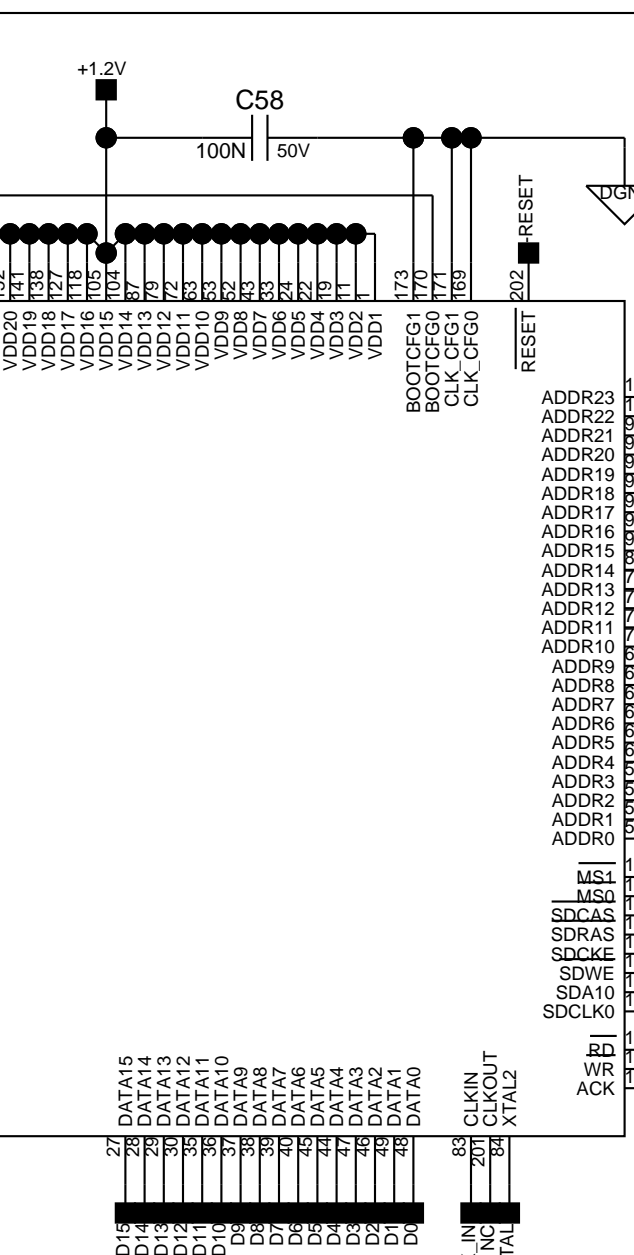
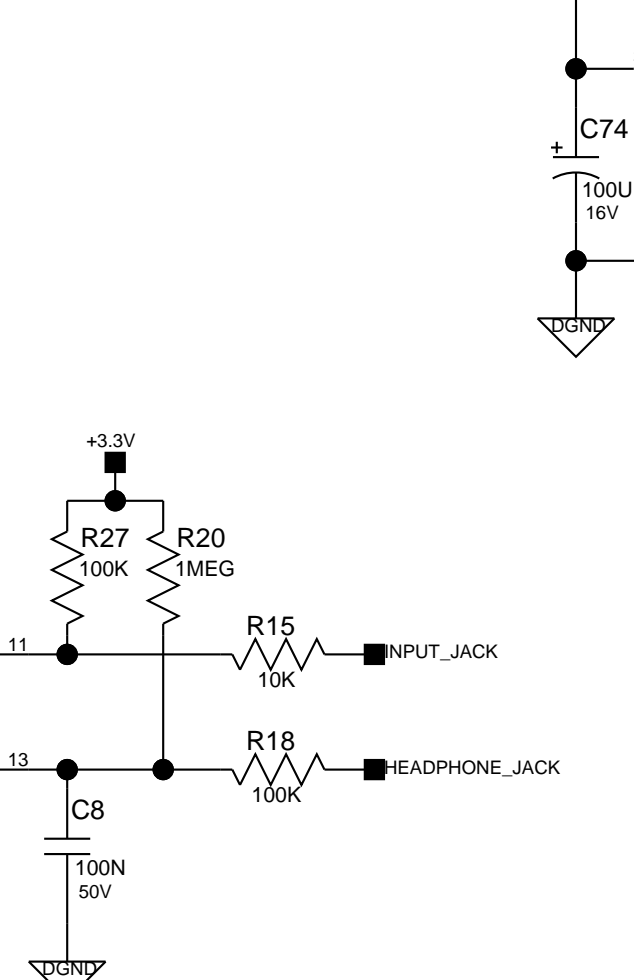
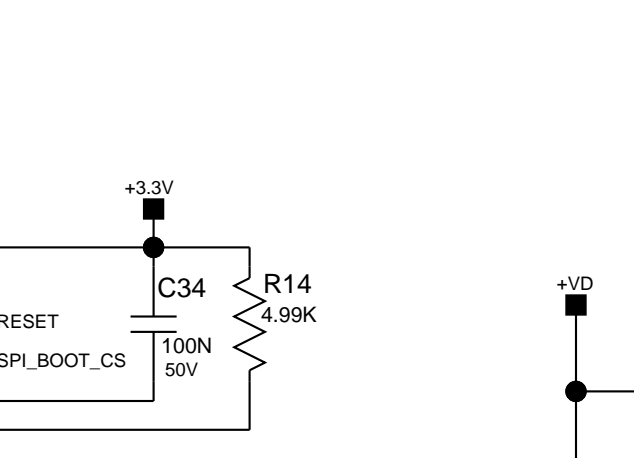
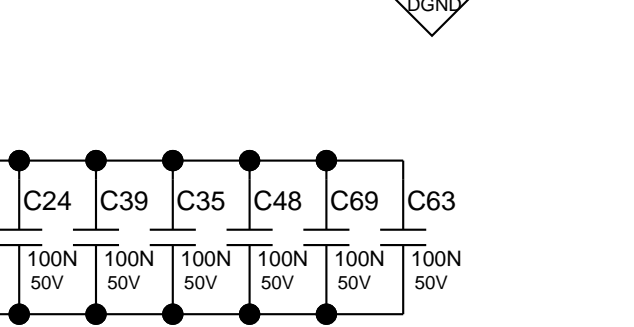
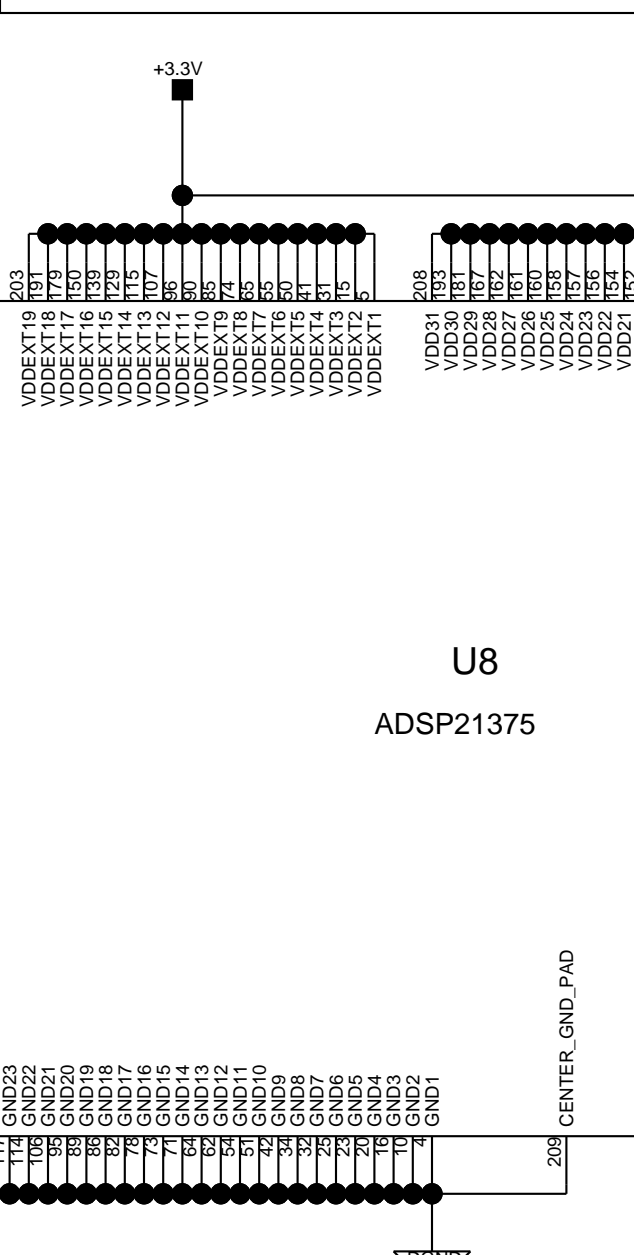
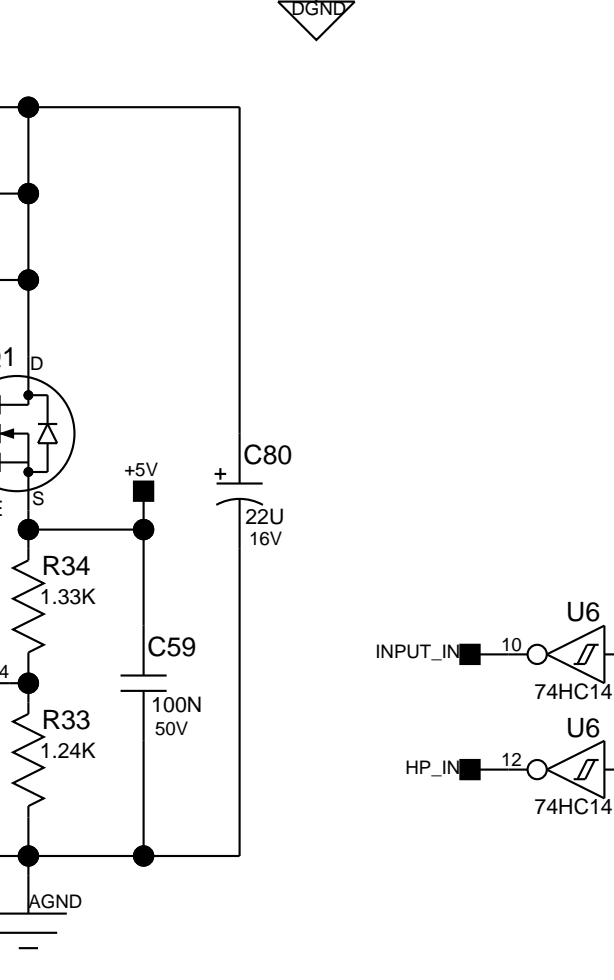
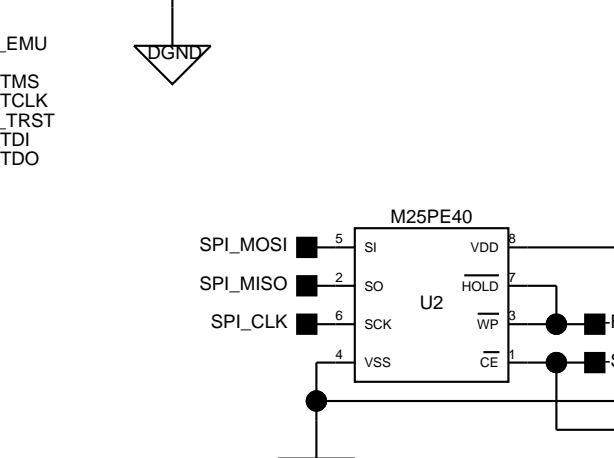
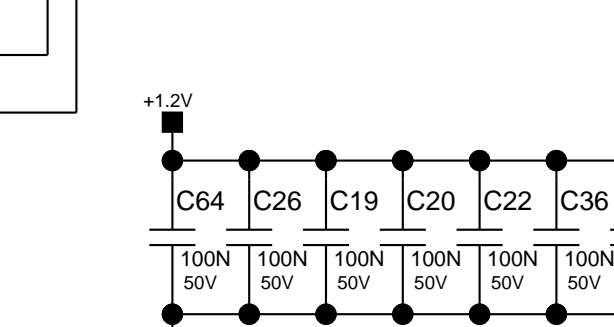
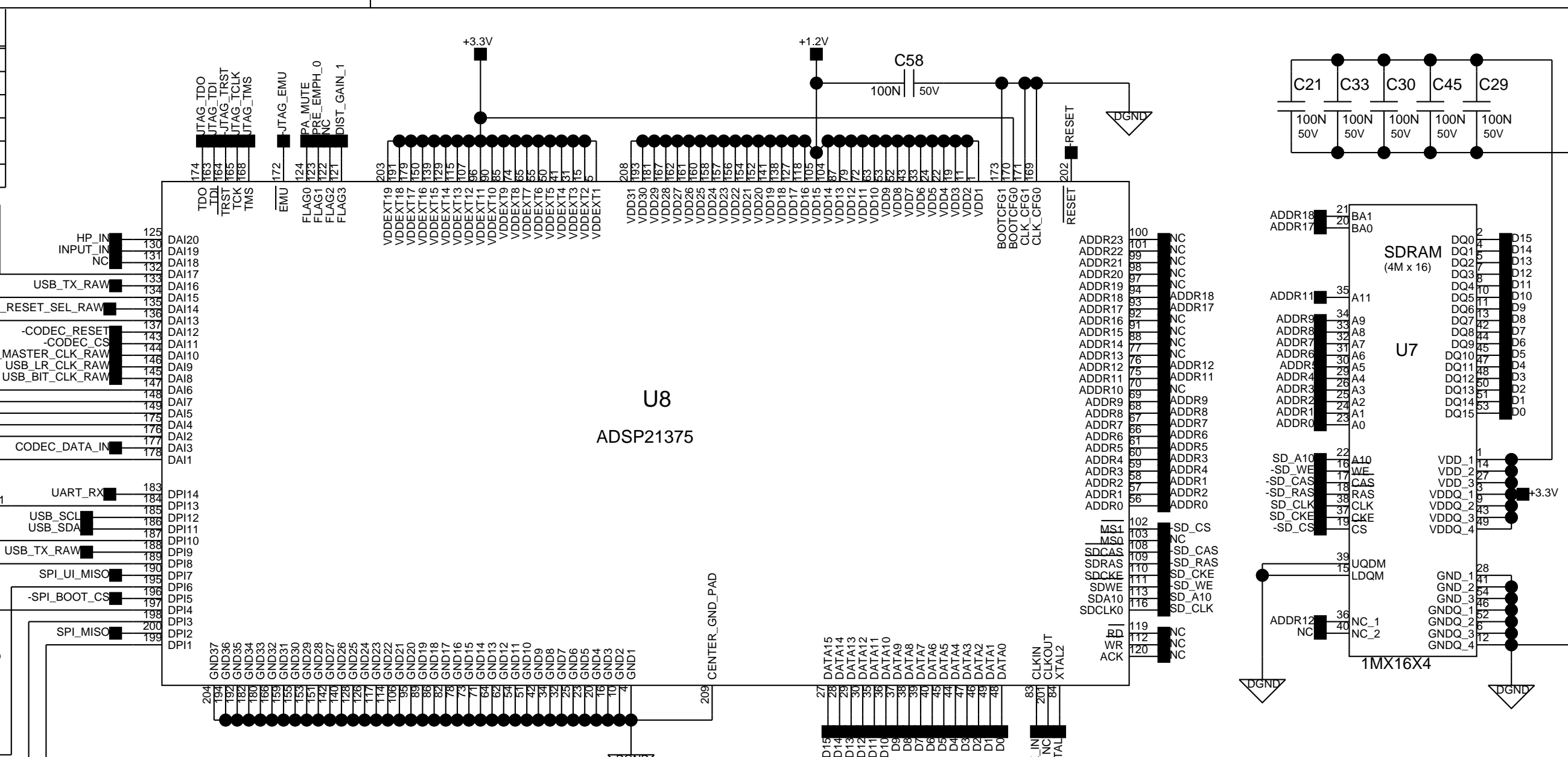
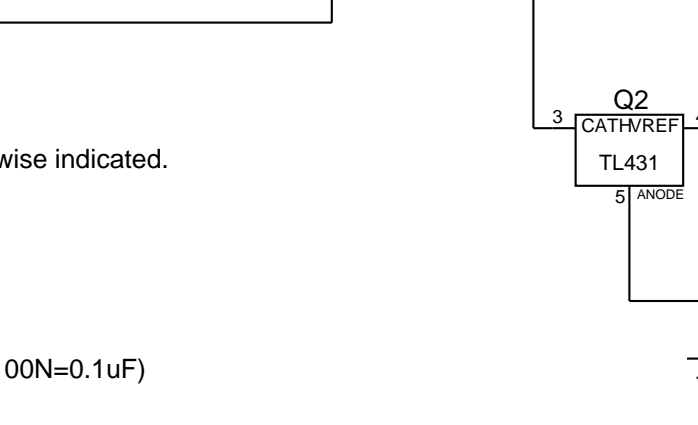
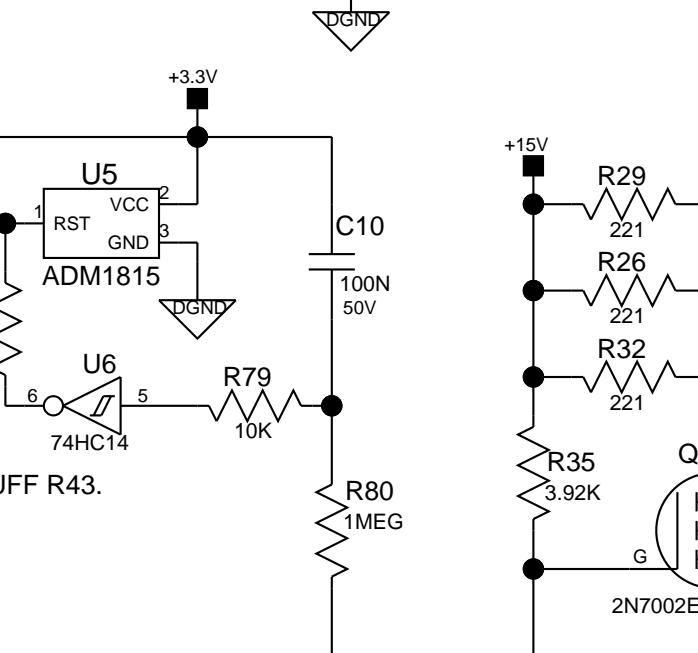
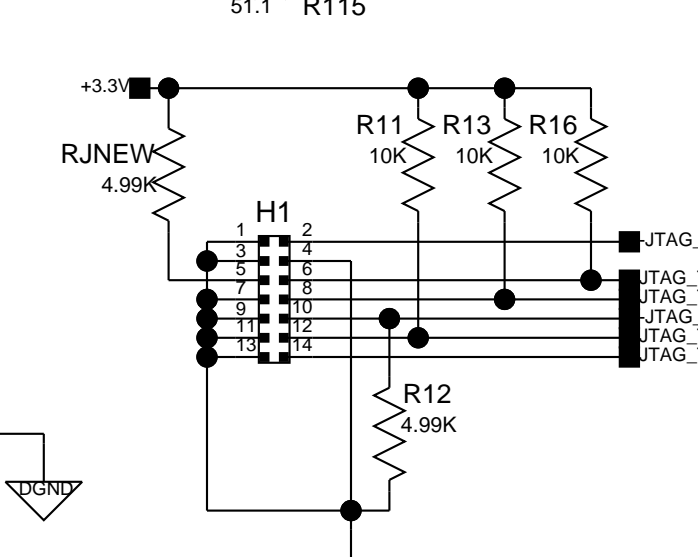
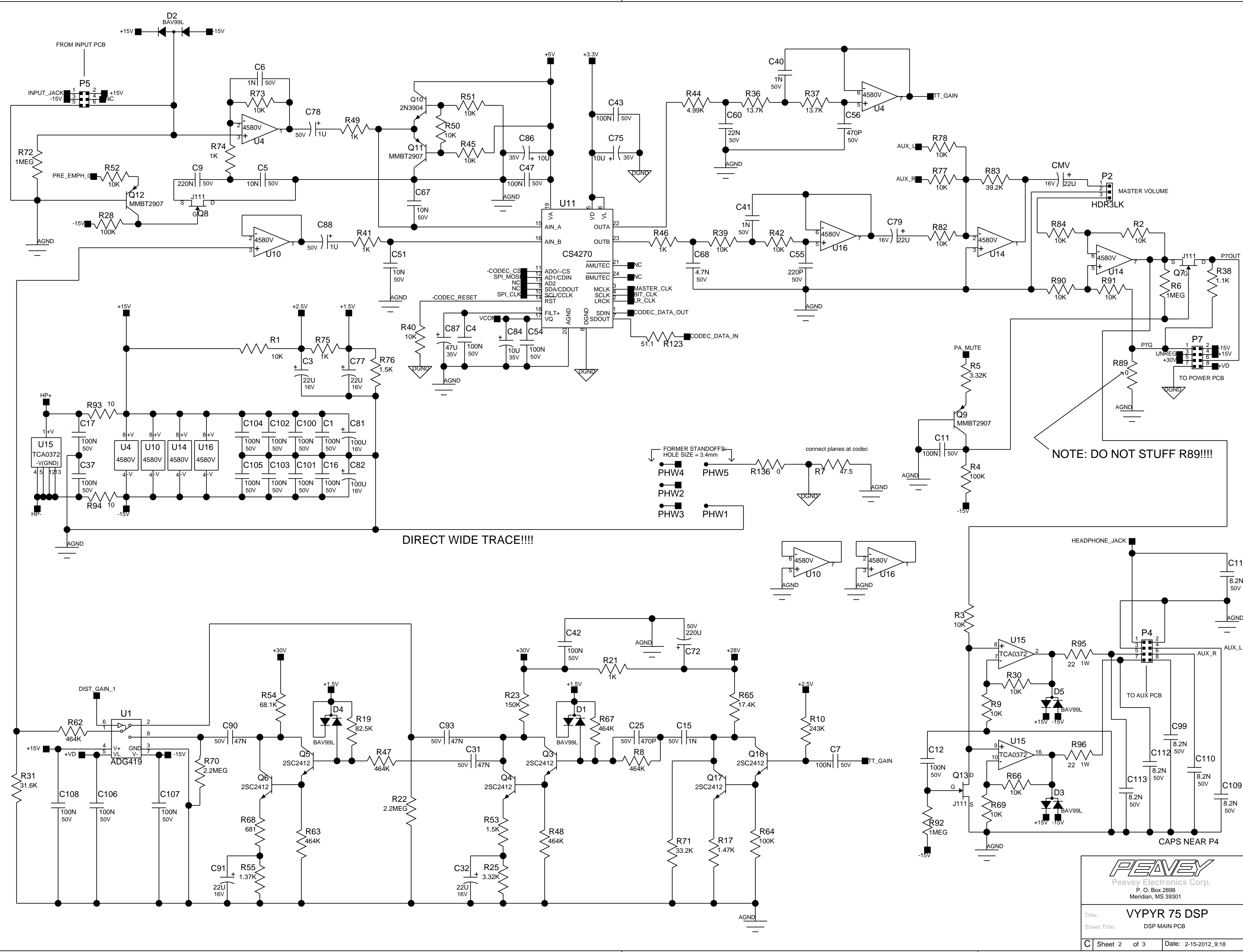


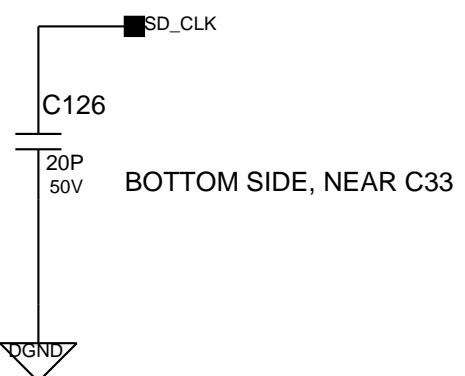
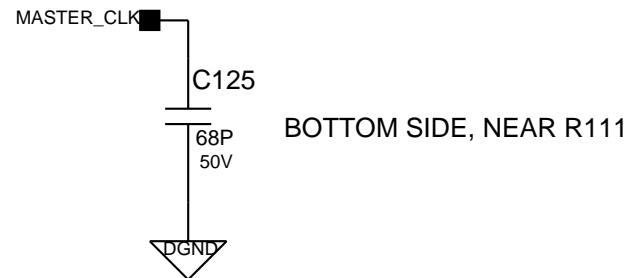
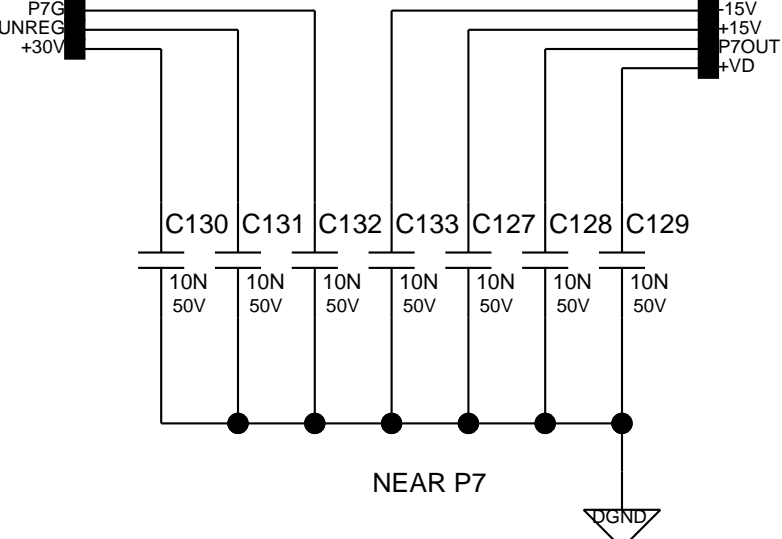
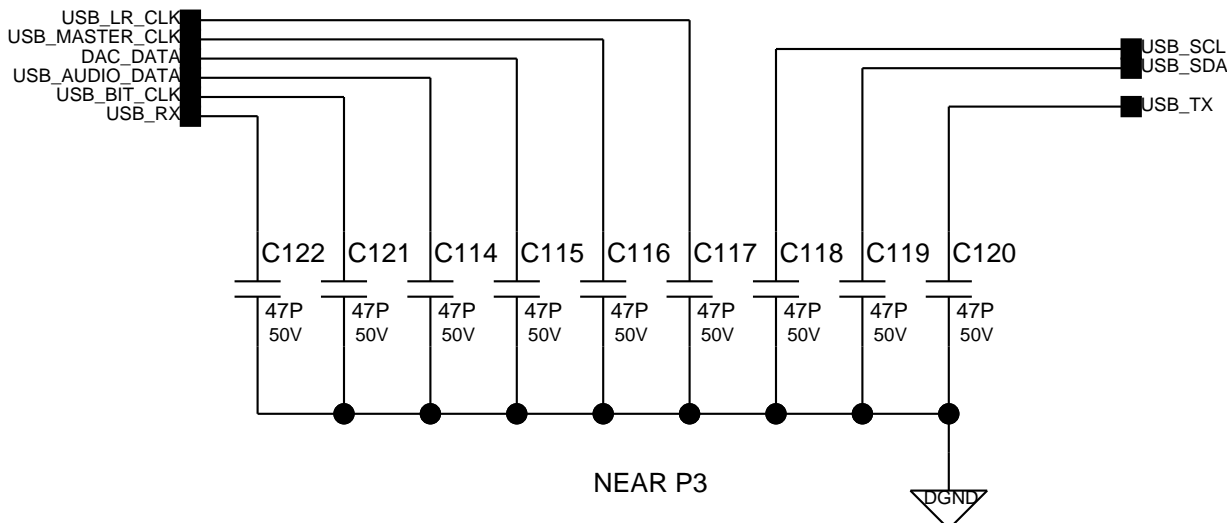
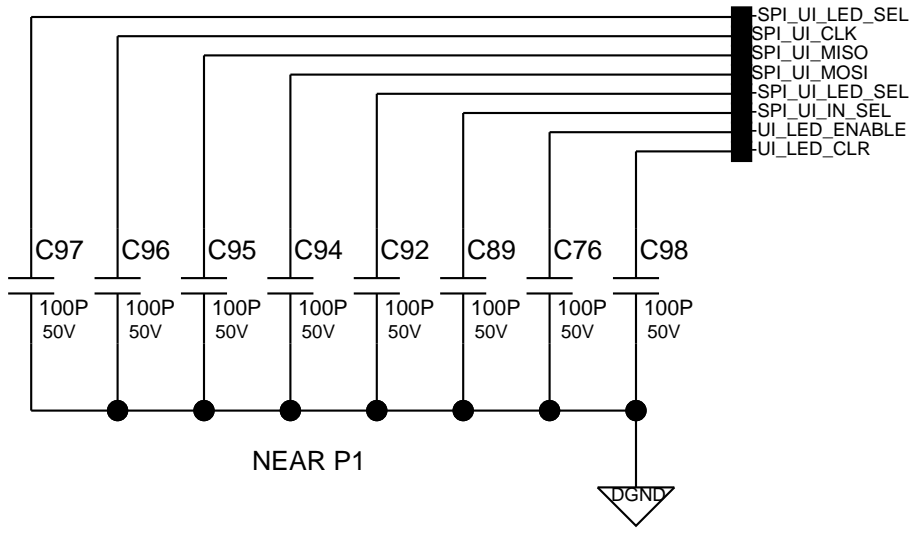
REV	Eng	Date:	Revision Description	ECN#
A				
B				
C				
D				
E				
F				

[illegible]

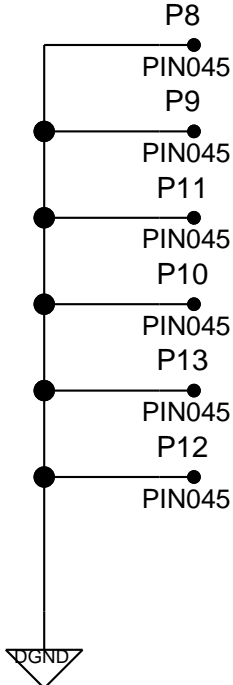
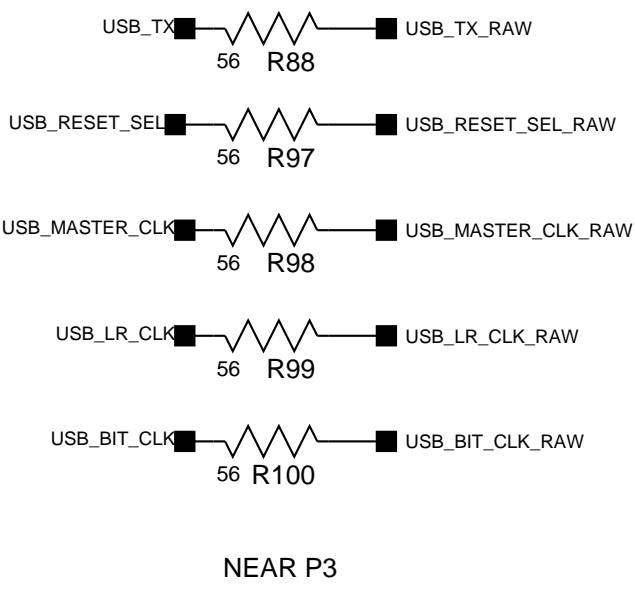
Note: All thru hole Resistors are 1/4 Watt unless otherwise indicated.
All SMT 1206 Resistors are 1/4 Watt.
All SMT 0805 Resistors are 1/10 Watt.
Note Capacitor Values are indicated as Follows:
val P = pF (picoFarads) val * 10 exp-12
val N = nF (nanoFarads) val * 10 exp-9 (1N=1000pF, 100N=0.1uF)
val U = uF (microFarads) val * 10 exp-6







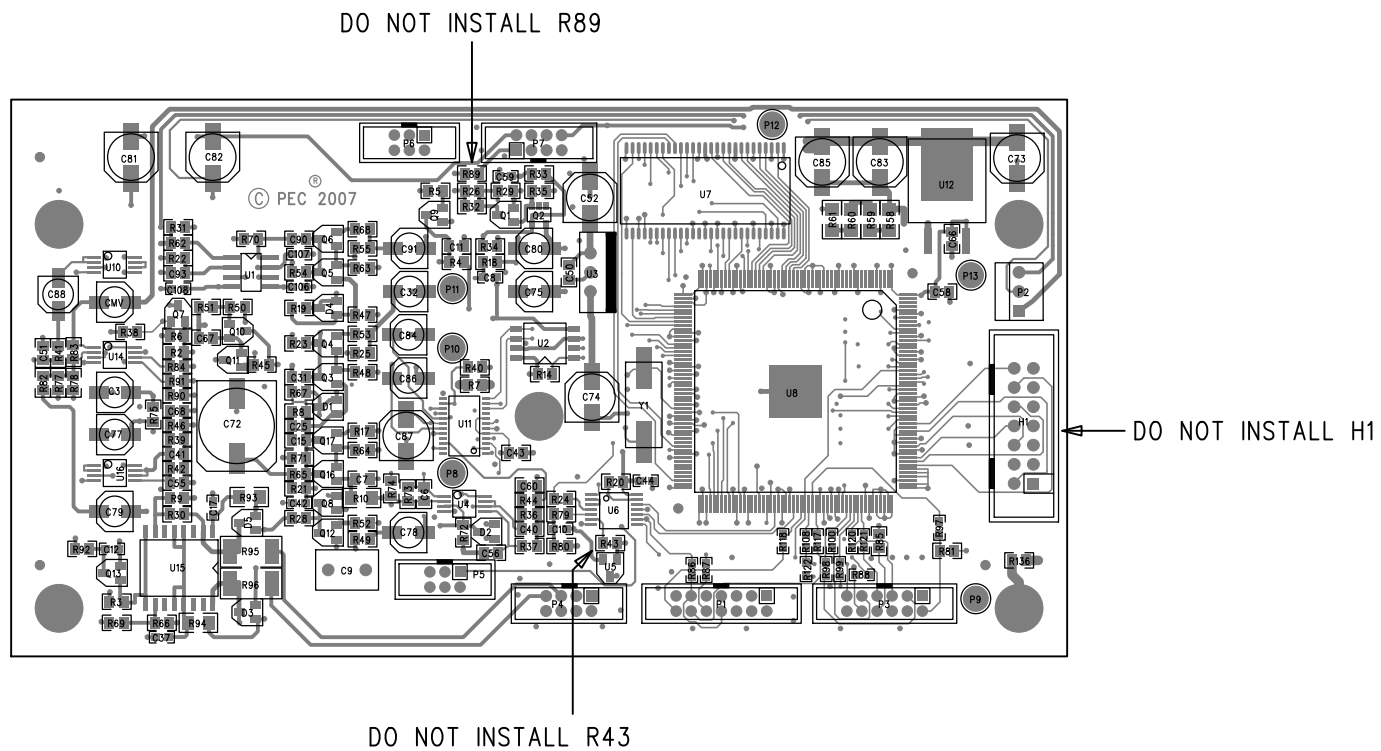
NOTE: DO NOT STUFF C126!!!!



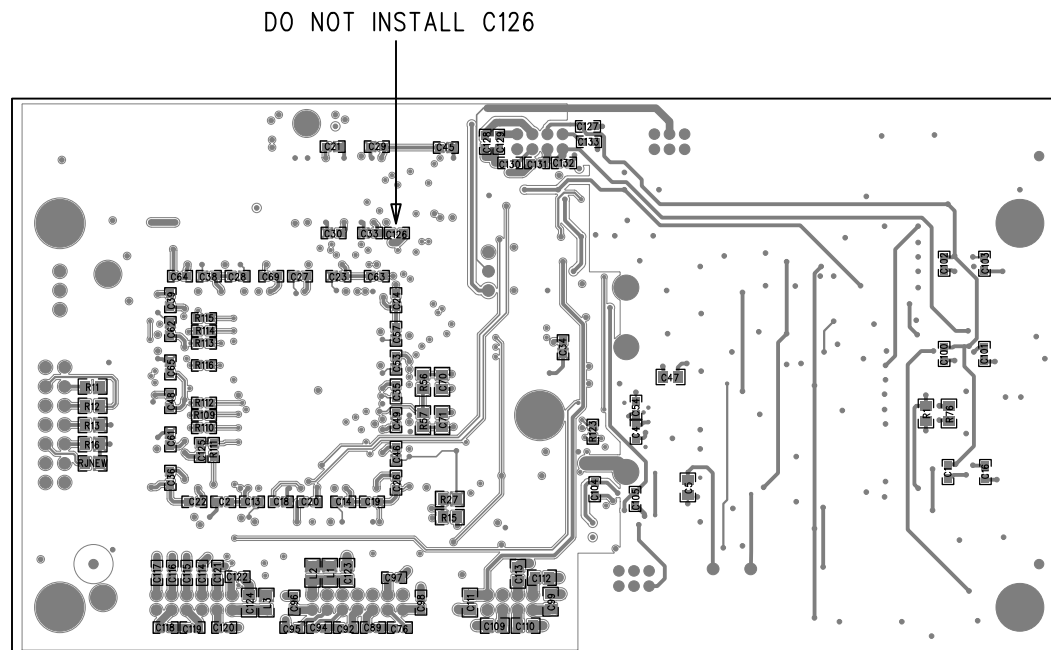
Title: V75_DSP

Sheet Title:

C Sheet 3 of 3 Date: 2-15-2012_9:18



VYPYR 75 DSP - PRIMARY SIDE VIEW



VYPYR 75 DSP - SECONDARY SIDE VIEW

BILL OF MATERIAL REPORT

REPORT DATE/TIME: 2/23/2012 9:58:38 AM

BOARD NAME: VYPYR 75 DSP

ASSEMBLY LEVEL NUMBER: 32202181

PROJECT NUMBER: P1100023

DESIGNER: JTH-32101842B

Qty.	Part #	Description	Reference Designators
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26	30200074	10K 1/10W 0.1% MF 0805	R1 R2 R3 R9 R11 R13 R15 R16 R30 R39 R40 R42 R45 R50 R51 R52 R66 R69 R73 R77 R78 R79 R82 R84 R90 R91
1	30200124	243K 1/4W 1% MF 1206	R10
1	30200164	0.0 JUMPER SMT 0805	R136
4	30200173	4.99K 1/10W 1% MF 0805	R12 R14 R44 RJNEW
1	30200175	1.1K 1/10W 1% MF 0805	R38
4	30200183	221 1/10W 1% MF 0805	R24 R26 R29 R32
6	30200188	1.00K 1/10W 1% MF 0805	R21 R41 R46 R49 R74 R75
1	30200189	1.37K 1/10W 1% MF 0805	R55
2	30200190	1.50K 1/10W 1% MF 0805	R53 R76
6	30200194	100K 1/10W 1% MF 0805	R4 R18 R27 R28 R64 R81
6	30200195	1.00M 1/10W 1% MF 0805	R6 R20 R56 R72 R80 R92
1	30200199	1.24K 1/10W 1% MF 0805	R33
1	30200201	1.47K 1/10W 1% MF 0805	R17
2	30200202	3.32K 1/10W 1% MF 0805	R5 R25
2	30200238	22 1W 5% MF 2512	R95 R96
1	30200247	715 1/10W 1% MF 0805	R68
1	30200257	31.6K 1/10W 1% MF 0805	R31
1	30200259	39.2K 1/10W 1% MF 0805	R83

1	30200273	3.92K	1/10W 1% MF 0805	R35
1	30200287	100	1/10W 1% MF 0603	R108
15	30200315	51.1	1/10W 1% MF 0603	R86 R87 R109 R110 R112 R113 R114 R115 R116 R117 R118 R120 R121 R122 R123
5	30200317	56	1/10W 5% MF 0603	R88 R97 R98 R99 R100
1	30200330	33.2K	1/10W 1% MF 0805	R71
1	30200335	68.1K	1/10W 1% MF 0805	R54
1	30200337	82.5K	1/10W 1% MF 0805	R19
1	30200339	10.0M	1/10W 1% MF 0805	R85
2	30200348	10	1/4W 1% MF 1206	R93 R94
1	30200380	140K	1/10W 1% MF 0805	R23
1	30200400	200	1/10W 1% MF 0603	R111
6	30200417	464K	1/10W 1% MF 0805	R8 R47 R48 R62 R63 R67
1	30200428	17.4K	1/10W 1% MF 0805	R65
2	30200443	2.2M	1/10W 5% 0805	R22 R70
2	30200535	13.7K	1/10W 1% 0805	R36 R37
1	30200541	1.33K	1/10W 1% 0805	R34
2	30200543	47.5	1/10W 1% 0805	R7 R57
4	30200544	1.3	1/4W 5% MF 1206	R58 R59 R60 R61
1	30300079	47UF	35V 20% EL SMT6	C87
2	30300081	1UF	50V 20% EL SMT4	C78 C88
3	30300083	100UF	16V 20% EL SMT6	C74 C81 C82
1	30300089	220PF	50V 5% NPO 0805	C55
2	30300090	470PF	50V 5% NPO 0805	C25 C56
4	30300091	1000PF	50V 5% NPO 0805	C6 C15 C40 C41
2	30300092	20PF	50V 5% NPO 0805	C70 C71
6	30300095	8200PF	50V 10% X7R 0805	C99 C109 C110 C111 C112 C113

1	30300098	220UF 50V 20% EL SMT10	C72
5	30300116	0.01UF 50V 5% X7R 0805	C5 C51 C67 C123 C124
7	30300121	0.1UF 50V 5% X7R 0805	C7 C11 C43 C47 C50 C58 C66
7	30300124	0.01UF 50V +80,20% Y5V 0603	C127 C128 C129 C130 C131 C132 C133
54	30300128	0.1UF 50V +80/-20% Y5V 0603	C1 C2 C4 C8 C10 C12 C13 C14 C16 C17 C18 C19 C20 C21 C22 C23 C24 C26 C27 C28 C29 C30 C33 C34 C35 C36 C37 C38 C39 C42 C44 C45 C46 C48 C49 C53 C54 C57 C59 C61 C62 C63 C64 C65 C69 C100 C101 C102 C103 C104 C105 C106 C107 C108
3	30300131	10UF 35V 20% EL SMT4	C75 C84 C86
8	30300133	100PF 50V 5% NPO 0603	C76 C89 C92 C94 C95 C96 C97 C98
1	30300143	68PF 50V 5% NPO 0603	C125
1	30300148	0.022UF 50V 5% X7R 0805	C60
2	30300152	100UF 16V 20% EL LOZ SMT6	C52 C73
1	30300161	4700PF 50V 5% X7R 0805	C68
3	30300171	0.047UF 50V 5% X7R 0805	C31 C90 C93
7	30300237	22UF 16V 20% EL SMT4	C3 C32 C77 C79 C80 C91 CMV
9	30300256	47PF 50V 5% NPO 0603	C114 C115 C116 C117 C118 C119 C120 C121 C122
2	30300311	220UF 16V 20% EL LOZ SMT6	C83 C85
1	30330128	0.22UF 50V 5% PE RAD	C9
1	30401086	LD1086V 3.3V LDO REG TO220	U3
6	30418034	2SC2412S NPN SMT	Q3 Q4 Q5 Q6 Q16 Q17
1	30418135	2N3904 NPN SOT23	Q10

3	30418138	J111 JFET N SOT23	Q7 Q8 Q13
3	30418284	MMBT2907 PNP SOT23	Q9 Q11 Q12
1	30418369	2N7002E N CH 60V MOSFET	Q1
1	30418391	1MX16X4 BANKS, 64MS	U7
1	30418622	TCA0372 DUAL 1A OPAMP SOIC16W	U15
5	30418655	BAV99L DUAL 4148 DIODE SO	D1 D2 D3 D4 D5
1	30418723	ADG419 SPDT ANALOG SW SOIC8	U1
1	30418735	CS4270 24BIT,192KHZ ST CODEC	U11
1	30418736	ADSP21375 SHARC PROCESSOR MQFP	U8
1	30418737	M25PE40 4MBIT FLASH	U2
1	30418738	ADM1815 PROCESSOR RESET 2.88V	U5
1	30418743	1.2V 1.5A LDO REG -SMT	U12
1	30418744	74HC14 6- SCHMITT TSSOP14	U6
1	30418758	TL431 ADJ SHUNT REG, SOT23-5	Q2
4	30418836	NJM4580 DUAL OPAMP SSOP8	U4 U10 U14 U16
3	30500927	FERRITE CHIP SMT 600OHM 100MHZ	L1 L2 L3
1	30810022	24.576MHZ HC49S CRYSTAL SMT	Y1
6	33717003	1 STAKE PIN .045 .625 TIN	P8 P9 P10 P11 P12 P13
1	33717013	3 HDR V SR .100" TIN LK	P2
2	33717358	6 HDR V DR 2MM GOLD	P5 P6
2	33717359	8 HDR V DR 2MM GOLD	P4 P7
1	33717360	12 HDR V DR 2MM GOLD	P3
1	33717361	14 HDR V DR 2MM GOLD	P1
5	CABL13813	18GA W/CRIMP TERM 73713813	PHW1 PHW2 PHW3 PHW4 PHW5

 END OF BILL OF MATERIAL REPORT
