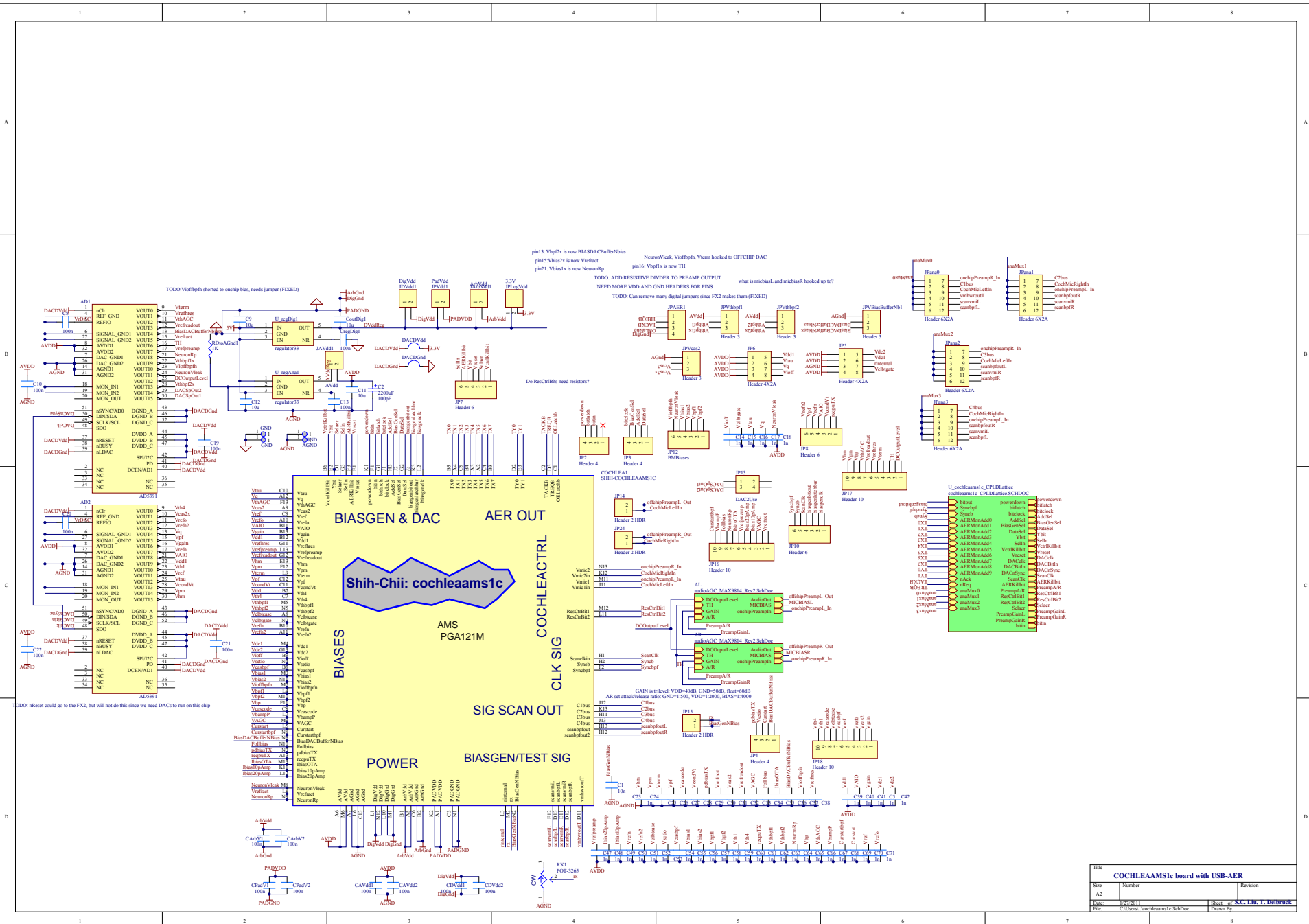
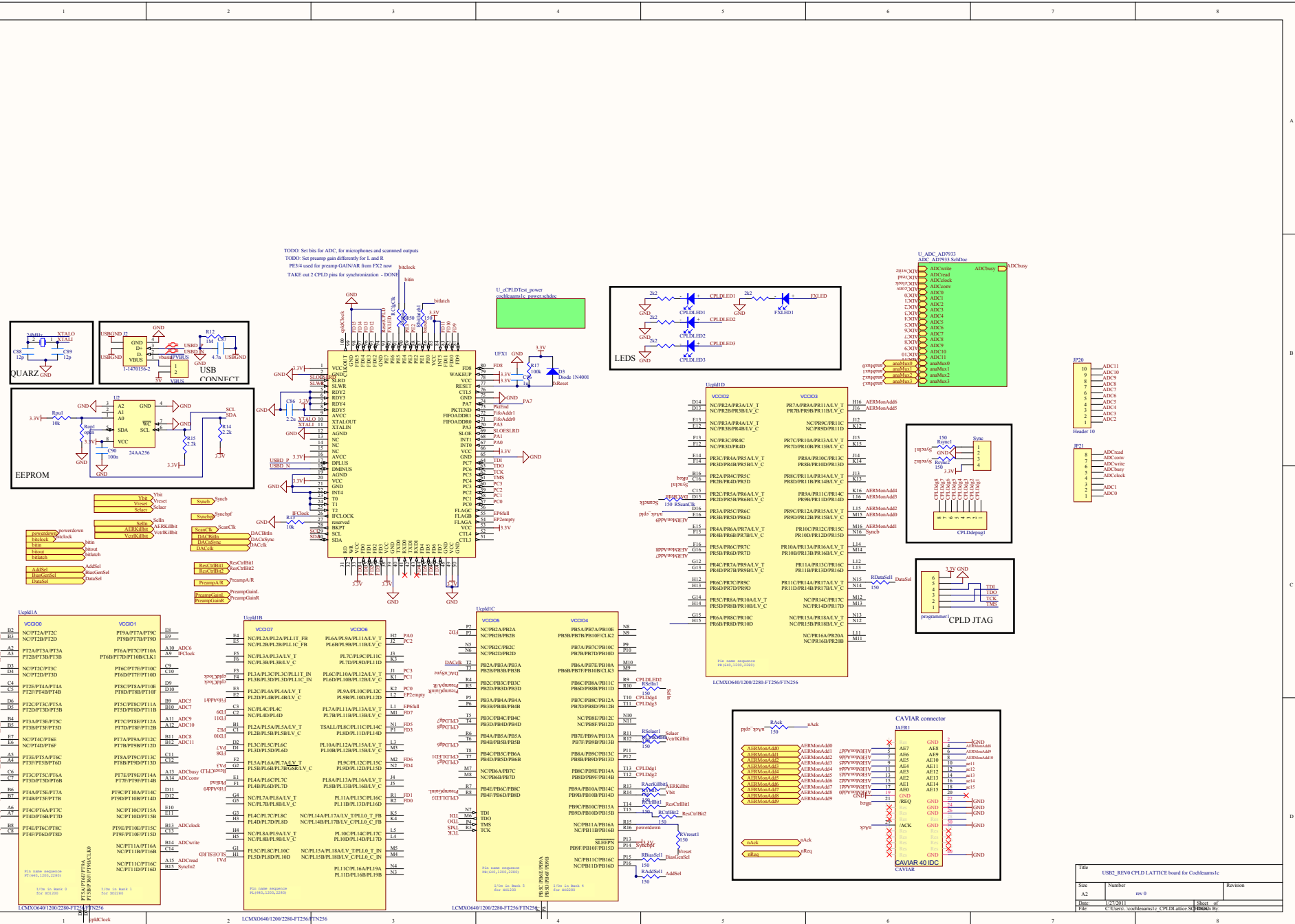


Title		
USB-AER cochlea daughterboard / Audio channel		
Size	Number	Revision
A4	rev2	
Date:	1/27/2011	Sheet of
File:	C:\Users\...audioAGC_MAX9814_Rev2.SchDoc	Drawn By:



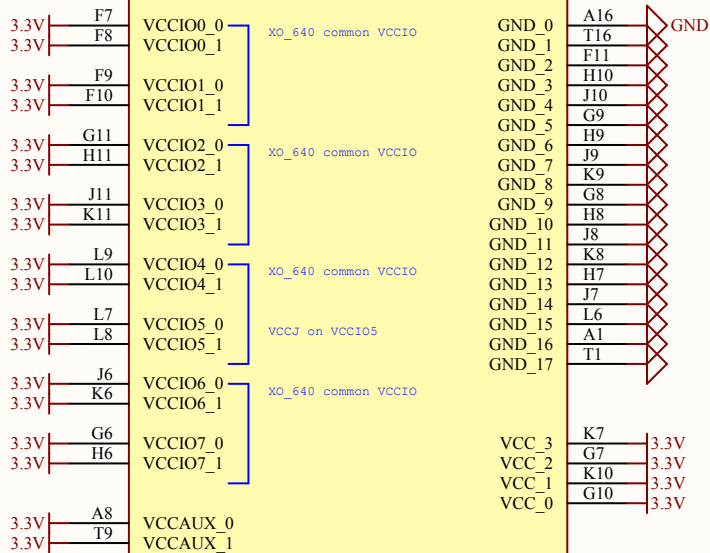




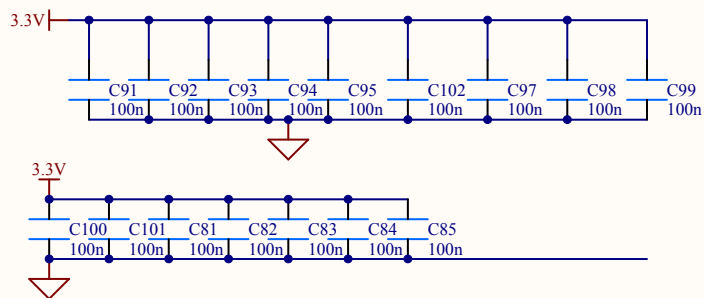
# MOUNTING FOR STANDS AND TRIPOD



Ucpld1E



LCMXO640/1200/2280-FT256/FTN256



Title		
Power for CPLD LATTICE for Cochleaams1c		
Size	Number	Revision
A		
Date:	1/27/2011	Sheet of
File:	C:\Users\...\cochleaams1c power.schdoc	Drawn By:



Item #	Inn Name Error:Manufa	#Column Name Error:Manufacturer No	Quantity	#Column Name Error:Note	Designator	Description	Footprint	Comment	LibRef
1			2		AD1, AD2	Analog Devices DAC 16 ch, 12 bit	QFP10x10-G52/N	AD5391	AD5391
2			3		C1, C44_AL, C44_AR	SMT capacitor	CC1608-0603	10n	CapSMT
3			1		C2	Polarized Capacitor (Radial)	CAPPR5-13x25	2200uF	Cap Pol
4			2		C3_AL, C3_AR	SMT capacitor	CC1608-0603	47n	CapSMT
5			5		C4_AL, C4_AR, C43_AL, C43_AR, C96	SMT capacitor	CC1608-0603	2.2u	CapSMT
6			51		C5, C14, C15, C16, C17, C18, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71	SMT capacitor	CC1608-0603	1n	CapSMT
7			2		C6_AL, C6_AR	SMT capacitor	CC1608-0603	0.47u	CapSMT
8			3		C7_AL, C7_AR, C96	SMT capacitor	CC1608-0603	1u	CapSMT
9			34		C8, C10, C13, C19, C20, C21, C22, C81, C82, C83, C84, C85, C90, C91, C92, C93, C94, C95, C97, C98, C99, C100, C101, C102, CadcBypass1, CArbV1, CArbV2, CAVdd1, CAVdd2, CDVdd1, CDVdd2, CPadV1, CPadV2, CregDig1	SMT capacitor	CC1608-0603	100n	CapSMT
10			5		C9, C11, C12, CadcBypass2, CoutDig1	SMT capacitor	CC3216-1206	10u	CapSMT
11			1		C87	SMT capacitor	CC1608-0603	4.7n	CapSMT
12			2		C88, C89	SMT capacitor	CC1608-0603	12p	CapSMT
13			1		CadcRef1	SMT capacitor	CC1608-0603	470n	CapSMT
14			1		COCHLEA1	MOSIS , PGA121M	PGA120x13 , Extra	SHH-COCHLEAAMS1C	SHH-COCHLEAAMS1C
15			2		CPLDdeplug1 , JP21	Header, 6-Pin	HDR1X8	Header 8	Header 8
16			1		CPLDLED1	LED, SMT 3mm by 1.5mm	0805LED	CPLD1	LED
17			1		CPLDLED2	LED, SMT 3mm by 1.5mm	0805LED	CPLD2	LED
18			1		CPLDLED3	LED, SMT 3mm by 1.5mm	0805LED	CPLD3	LED
19			1		D3	1 Amp General Purpose Rectifier	SMA	Diode 1N4001	Diode 1N4001
20			1		FXLED1	LED, SMT 3mm by 1.5mm	0805LED	FX	LED
21			1		J2	USB 1.1, Right Angle, Thru-Hole, B Type, Receptacle, 4 Position, Black	usbMolex	1-1470156-2	1-1470156-2
22			2		J3, J5		testPoint	AGND	testPoint
23			2		J4, J6		testPoint	GND	testPoint
24			2		J50_AL, J50_AR		JYS35	StereoJack_Cliff	StereoJack_Cliff
25			1		JAER1	CAVIAR 40 pin IDC header	HDR2X20 with shell	CAVIAR	CAVIAR 40 IDC
26			1		JArbVdd1	Header, 2-Pin	HDR1X2	ArbVdd	Header 2
27			1		JAVdd1	Header, 2-Pin	HDR1X2	AVdd	Header 2
28			1		JDVdd1	Header, 2-Pin	HDR1X2	DigVdd	Header 2
29			2		JP1_AL, JP1_AR	Header, 3-Pin	HDR1X3	PreExt	Header 3
30			5		JP2, JP3, JP4, JPAER1, Sync	Header, 4-Pin	HDR1X4	Header 4	Header 4
31			2		JP5, JP6	Header, 4-Pin, Dual row	HDR2X4_CEN	Header 4X2A	Header 4X2A
32			3		JP7, JP8, JP10	Header, 6-Pin	HDR1X6	Header 6	Header 6
33			2		JP9_AL, JP9_AR	Header, 3-Pin, Dual row	HDR2X3_CEN	BMSrc	Header 3X2A
34			1		JP12	Header, 6-Pin	HDR1X6	BMBiases	Header 6
35			1		JP13	Header, 2-Pin, Dual row	HDR2X2	DAC2Use	Header 2X2
36			3		JP14, JP15, JP24	Header, 2-Pin	HDR1X2	Header 2 HDR	Header 2 HDR
37			4		JP16, JP17, JP18, JP20	Header, 10-Pin	HDR1X10	Header 10	Header 10
38			4		JPana0, JPana1, JPana2, JPana3	Header, 6-Pin, Dual row	HDR2X6_CEN	Header 6X2A	Header 6X2A
39			1		JPLogVdd		Header2	3.3V	header2
40			4		JPVBiasBufferNb1, JPVcas2, JPVthbpf1, JPVthbpf2	Header, 3-Pin	HDR1X3	Header 3	Header 3
41			1		JPVBUS				
42			1		JPVdd1	Header, 2-Pin	HDR1X2	VBUS	Header 2
43			4		M1, M2, M3, M4	Header, 2-Pin	HDR1X2	CPadVdd	Header 2
44			2		MK1_AL, MK1_AR	Microphone	M3Hole	M3hole	M3hole
45			1		programmer1	Header, 6-Pin	MIC, 10mm	Mic	Mic1
46			4		R1_AL, R1_AR, R2_AL, R2_AR	Header, 6-Pin	HDR1X6	Header 6	Header 6
47			1		R12		CR1608-0603	10k	Res
48			2		R13, Rpu1	Resistor	C1608-0603	1M	Res3
49			1		R14	Resistor	C1608-0603	10k	Res3
50			1		R15	Resistor	C1608-0603	2.2k	Res3
51			1		R17	Resistor	C1608-0603	2.2k	Res3
52			6		R50_AL, R50_AR, ResCPLDLED1, ResCPLDLED2, ResCPLDLED3, ResFXLED1	Resistor	CR1608-0603	100k	Res3
53			4		R51_AL, R51_AR, R52_AL, R52_AR		CR1608-0603	2k2	Res, Res3
54			16		RAck, RAddSel1, RAenKilbIt1, RBiasSel1, RbItin1, RbItlatch1, RCfgCk, RCtrlBIt1, RCtrlBIt2, RCtrlKilBIt, RDataSel1, RScanCk, RSelaer1, RSellin1, RVreset1, RYbit1	Resistor	C1608-0603	1M	Res
55			1		RDtoAGnd1		C1608-0603	150	Res3
56			1		Rop1	Resistor	C1608-0603	1M	Res3
57			2		Rsync1, Rsync2	Resistor	C1608-0603	150	Res3
58			1		Rx1	potentiometer	Pot-3265W-3266-Bournes	POT-3265	POT-3265
59			1		TripodMount 1	Tripod nut mount	TripodNut	TRIPODNUT	TRIPODNUT
60			1		U2	256Kbit Serial PC Bus EEPROM	SOC8	24AA256	24AA256
61			1		UADC1		RU-28	AD7933BRUZ	AD7933BRUZ
62			1		Ucpl1		RBGA256	LCMX0640/1200/2280-FT256/FTN256	LCMX0640/1200/2280-FT256/FTN256
63			1		UFX1	Cypress FX2LP 100 pin	R-QFP14x20-G100/X4N	FX2LP	FX2LP
64			2		U_regAna1, U_regDig1	TPS79333DBVR	SOT23-5	regulator33	regulator33
65			1		Y1	Crystal Oscillator	HC494H, SMX	24Mhz	XTAL