

Bill Of Materials April 6, 2010 15:09:42

Item	Quantity	Reference	Part	PCB Footprint	Part Number	Manufacturer	Distributor	Distributor Num	Comments
1	67	C1,C2,C29,C62,C63,C92, C93,C94,C123,C124,C125, C154,C155,C156,C185,C186, C187,C216,C217,C218,C247, C248,C249,C278,C279,C280, C309,C310,C311,C340,C341, C342,C371,C372,C373,C402, C403,C404,C433,C434,C435, C464,C465,C466,C495,C496, C497,C526,C537,C541,C548, C554,C556,C557,C558,C559, C560,C561,C562,C563,C564, C565,C566,C567,C568,C570, C571	0.1u	0805	C0805C104K3RACTU	Kemet	Digikey	399-1168-2-ND	
2	16	C4,C66,C97,C128,C159, C190,C220,C252,C281,C313, C345,C376,C407,C438,C467, C499	1000p	0603	GRM1885C1H102JA01D	Murata	Digikey	490-1451-1-ND	5%
3	211	C6,C11,C12,C13,C14,C21, C22,C23,C24,C25,C26,C27, C28,C67,C72,C73,C74,C75, C82,C83,C84,C85,C86,C87, C88,C89,C98,C103,C104, C105,C106,C113,C114,C115, C116,C117,C118,C119,C120, C129,C134,C135,C136,C137, C144,C145,C146,C147,C148, C149,C150,C151,C160,C165, C166,C167,C168,C175,C176, C177,C178,C179,C180,C181, C182,C191,C194,C195,C196, C197,C206,C207,C208,C209, C210,C211,C212,C213,C222, C227,C228,C229,C230,C237, C238,C239,C240,C241,C242, C243,C244,C253,C258,C259, C260,C261,C268,C269,C270, C271,C272,C273,C274,C275, C284,C288,C289,C291,C292, C299,C300,C301,C302,C303, C304,C305,C306,C315,C319, C320,C322,C323,C330,C331, C332,C333,C334,C335,C336, C337,C346,C351,C352,C353, C354,C361,C362,C363,C364, C365,C366,C367,C368,C377, C382,C383,C384,C385,C392, C393,C394,C395,C396,C397, C398,C399,C408,C413,C414, C415,C416,C423,C424,C425, C426,C427,C428,C429,C430, C439,C444,C445,C446,C447, C454,C455,C456,C457,C458, C459,C460,C461,C470,C474, C475,C477,C478,C485,C486, C487,C488,C489,C490,C491, C492,C501,C505,C506,C508, C509,C516,C517,C518,C519, C520,C521,C522,C523,C534, C536,C542	.01u	0603	C0603C103K5RACTU	Kemet	Digikey	399-1091-2-ND	

4	32	C9,C31,C70,C90,C101,C121,C132,C152,C163,C183,C198,C214,C225,C245,C256,C276,C287,C307,C318,C338,C349,C369,C380,C400,C411,C431,C442,C462,C473,C493,C504,C524	4p	0603	ECJ-1VC1H040C	Panasonic	Digikey	PCC040CVCT-ND	+/- .25pF
5	16	C10,C71,C102,C133,C164,C199,C226,C257,C290,C321,C350,C381,C412,C443,C476,C507	12p	0603	GRM1885C1H120GA01D	Murata	Mouser	81-GRM39C120G50	2% tolerance
6	16	C30,C91,C122,C153,C184,C215,C246,C277,C308,C339,C370,C401,C432,C463,C494,C525	7p	0603	ECJ-1VC1H070D	Panasonic	Digikey	PCC070CVCT-ND	+/- .25pF
7	30	C32,C33,C34,C35,C36,C37,C38,C39,C40,C41,C42,C43,C44,C45,C46,C47,C48,C49,C50,C51,C52,C53,C54,C55,C56,C57,C58,C59,C60,C61	1.5p	0603	ECJ-1VC1H1R5C	Panasonic	Digikey	PCC1R5CVTR-ND	
8	6	C527,C529,C530,C531,C532,C533	100pf	0603	ECJ-1VC1H101J	Panasonic	Digikey	PCC101ACVTR-ND	
9	1	C535	68p	0603	ECJ-1VC1H680J	Panasonic	Digikey	PCC680ACVTR-ND	
10	1	C538	39p	0603	ECJ-1VC1H390J	Panasonic	Digikey	PCC390ACVTR-ND	
11	2	C539,C540	330p	0603	ECJ-1VC1H331J	Panasonic	Digikey	PCC331ACVTR-ND	
12	1	C543	0.5p	0603	ECJ-1VC1H0R5c	Panasonic	Digikey	PCC0R5CVTR-ND	
13	2	C544,C550	100u	MVY1SMD	EMVY630ARA101MKE0S	United Chemi	Digikey	565-2503-1-ND	L=5000hrs@105C
14	2	C545,C552	10u	HD1SMDIE	EEE-HD1J100P	Panasonic	Digikey	PCE4981CT-ND	L=5000hrs@105C
15	2	C546,C553	47u	EIA7343-31	293d476x0016d2te3	Vishay	Digikey	718-1086-2-ND	16volt tantalum
16	2	C547,C551	0.015u	0805	ECJ-2YB2A153K	Panasonic	Digikey	PCC1992TR-ND	100volt ceramic
17	4	C549,C555,C572,C573	1000u	FC1SMDIG	EEE-FK1A102GP	Panasonic	Digikey	PCE4313CT-ND	L=5000hrs@105C
18	1	C569	1.0p	0603	ECJ-1VC1H010C	Panasonic	Digikey		
19	16	DEL1,DEL10,DEL15,DEL20,DEL25,DEL30,DEL35,DEL40,DEL45,DEL50,DEL55,DEL60,DEL65,DEL70,DEL75,DEL80,DEL2,DEL9,DEL14,DEL19,DEL24,DEL29,DEL34,DEL39,DEL44,DEL49,DEL54,DEL59,DEL64,DEL69,DEL74,DEL79	Delay5	Del5	n/a				6.96ns delay
20	16	DEL3,DEL8,DEL13,DEL18,DEL23,DEL28,DEL33,DEL38,DEL43,DEL48,DEL53,DEL58,DEL63,DEL68,DEL73,DEL78	Delay4	Del4	n/a				3.48ns delay
21	16	DEL4,DEL7,DEL12,DEL17,DEL22,DEL27,DEL32,DEL36,DEL42,DEL47,DEL51,DEL56,DEL61,DEL66,DEL72,DEL77	Delay3	Del3	n/a				1.74ns delay
22	16	DEL5,DEL6,DEL11,DEL16,DEL21,DEL26,DEL31,DEL37,DEL41,DEL46,DEL52,DEL57,DEL62,DEL67,DEL71,DEL76	Delay2	Del2	n/a				0.87ns delay
23	16	D2,D4	Delay1	Del1	n/a				0.435ns delay
24	2	D5	MBRD360G	DPAK369C	MBRD360G	On Semi	Digikey	MBRD360G-ND	
25	1	JP1	BZT52C33	SOD123	BZT52C33-7-F	Diodes Inc	Digikey	BZT52C33-FDICT-ND	33v zener
26	1	J1,J2,J3,J4,J5,J6,J7,J8,J9,J10,J11,J12,J13,J14,J15,J16	HEADER 5X2	HEADER5X2	N2510-6002-RB	3M	Digikey	MHC10K-ND	mate D89110-0131HK
27	16	J17	SMA	CONISMAISM	142-0711-811	Johnson Comp	Digikey	142-0711-811-ND	
28	1	J18	SMB	SMBCONN	142138-75	Amphenol	Digikey	ACX1313-ND	75ohm, order mating cable
29	1	J19	header40	header40	3432-6002	3M	Digikey	MHS40K-ND	protected header 40 pin
30	1	L1,L2,L7,L9,L13,L14,L19,L20,L25,L26,L31,L34,L37,L40,L43,L44,L49,L50,L55,L56,L61,L62,L67,L68,L73,L74,L79,L80,L85,L86,L91,L93,L98,L104	CON4	CON4	640456-4	Tyco	Digikey	A1922-ND	LED, Red SSI-LXH9ID/-150, Grn SSI-LXH9GD-150
31	34	L1,L2,L7,L9,L13,L14,L19,L20,L25,L26,L31,L34,L37,L40,L43,L44,L49,L50,L55,L56,L61,L62,L67,L68,L73,L74,L79,L80,L85,L86,L91,L93,L98,L104	1000n	2520	1008CS-102XJLB	Coilcraft	Coilcraft		
32	32	L3,L5,L8,L12,L15,L18,L21,L24,L27,L30,L32,L36,L38,L42,L45,L48,L51,L54,L57,L60,L63,L66,L69,L72,L75,L78,L81,L84,L87,L90,L92,L96	18n	INDI0603H	ELJ-RE18NGFA	Panasonic	Digikey	PCD2005CT-ND	2% tolerance, Alternate Coilcraft 0603CS-18NXGLU
33	18	L4,L10,L16,L22,L28,L33,	12n	INDI0603H	ELJ-RE12NGFA	Panasonic	Digikey	PCD2003CT-ND	2% tolerance, Alternate Coilcraft 0603CS-12NXGLU

34	16	L39,L46,L52,L58,L64,L70, L76,L82,L88,L94,L97,L101 L6,L11,L17,L23,L29,L35, L41,L47,L53,L59,L65,L71, L77,L83,L89,L95	10n	INDI0603H	ELJ-RE10NGFA	Panasonic	Digikey	PCD2002CT-ND	5% tolerance
35	1	L99	150n	INDI0603H	ELJ-RER15JFA	Panasonic	Digikey	PCD1987CT-ND	5% tolerance
36	1	L100	1200n	2520	1008CS-122XJLB	Coilcraft	Coilcraft		5% tolerance
37	1	L102	6.8n	INDI0603H	ELJ-RE6N8JFA	Panasonic	Digikey	PCD1971CT-ND	5% tolerance
38	1	L103	180n	INDI0603H	ELJ-RER18JFA	Panasonic	Digikey	PCD1988CT-ND	5% tolerance
39	2	L105,L108	3.8uH	MSS1038	MSS1038-382NL	Coilcraft	Coilcraft		
40	2	L106,L109	100uH	MSS1278	MSS1278-104KL	Coilcraft	Coilcraft		
41	2	L107,L110	10uH	MSS1038	MSS1038-103NL	Coilcraft	Coilcraft		
42	1	Q1	SMBTA06	SOT-23	SMBTA06E6433	Infineon	Digikey	SMBTA06INTR-ND	
43	32	R1,R2,R34,R35,R52,R53, R70,R71,R88,R89,R106, R107,R124,R125,R142,R143, R160,R161,R178,R179,R196, R197,R214,R215,R232,R233, R250,R251,R268,R269,R286, R287	62	0805	ERJ-6ENF61R9V	Panasonic	Digikey	P61.9CTR-ND	1% tol
44	16	R3,R42,R60,R78,R96,R114, R132,R150,R168,R186,R204, R222,R240,R258,R276,R294	2.2	0603	CRCW06032R20FNEA	vishay	Digikey	541-2.20HTR-ND	1% tol
45	32	R4,R11,R40,R41,R58,R59, R76,R77,R94,R95,R112, R113,R130,R131,R148,R149, R166,R167,R184,R185,R202, R203,R220,R221,R238,R239, R256,R257,R274,R275,R292, R293	1.69	0603	CRCW06031R69FNEA	vishay	Digikey	541-1.69HTR-ND	1% tol
46	80	R5,R6,R7,R8,R12,R43,R46, R47,R48,R49,R61,R64,R65, R66,R67,R79,R82,R83,R84, R85,R97,R100,R101,R102, R103,R115,R118,R119,R120, R121,R133,R136,R137,R138, R139,R151,R154,R155,R156, R157,R169,R172,R173,R174, R175,R187,R190,R191,R192, R193,R205,R208,R209,R210, R211,R223,R226,R227,R228, R229,R241,R244,R245,R246, R247,R259,R262,R263,R264, R265,R277,R280,R281,R282, R283,R295,R298,R299,R300, R301	49.9	0603	ERJ-3EKF49R9V	Panasonic	Digikey	P49.9HTR-ND	1% tol
47	32	R9,R17,R38,R39,R56,R57, R74,R75,R92,R93,R110, R111,R128,R129,R146,R147, R164,R165,R182,R183,R200, R201,R218,R219,R236,R237, R254,R255,R272,R273,R290, R291	5.6k	0603	ERJ-3EKF5621V	Panasonic	Digikey	P5.62KHTR-ND	1% tol
48	16	R10,R36,R54,R72,R90,R108, R126,R144,R162,R180,R198, R216,R234,R252,R270,R288	2.7k	0603	ERJ-3EKF2741V	Panasonic	Digikey	P2.74KHTR-ND	1% tol
49	32	R13,R14,R44,R45,R62,R63, R80,R81,R98,R99,R116, R117,R134,R135,R152,R153, R170,R171,R188,R189,R206, R207,R224,R225,R242,R243, R260,R261,R278,R279,R296, R297	2.8k	0603	ERJ-3EKF2801V	Panasonic	Digikey	P2.80KHTR-ND	1% tol
50	16	R15,R51,R69,R87,R105, R123,R141,R159,R177,R195, R213,R231,R249,R267,R285, R303	750	0603	ERJ-3EKF7500V	Panasonic	Digikey	P750HTR-ND	1% tol
51	17	R16,R50,R68,R86,R104, R122,R140,R158,R176,R194, R212,R230,R248,R266,R284, R302,R315	1.2k	0603	ERJ-3EKF1211V	Panasonic	Digikey	P1.21KHTR-ND	1% tol
52	16	R18,R37,R55,R73,R91,R109, R127,R145,R163,R181,R199, R217,R235,R253,R271,R289	1	0603	RC0603FR-071RL	Yageo	Digikey	311-1.00HRTR-ND	1% tol

53	15	R19,R20,R21,R22,R23,R24, R25,R26,R27,R28,R29,R30, R31,R32,R33	100	0603	ERJ-3EKF1000V	Panasonic	Digikey	P100HTR-ND	1% tol
54	2	R304,R305	80	0805	ERJ-6ENF80R6V	Panasonic	Digikey	P80.6CTR-ND	1% tol
55	5	R306,R307,R308,R309,R314	100k	0805	ERJ-6ENF1003V	Panasonic	Digikey	P100KCCT-ND	
56	1	R311	10k	0805	ERJ-6ENF1002V	Panasonic	Digikey	P10.0KCCT-ND	
57	2	R312,R313	30k	0805	ERJ-6ENF3002V	Panasonic	Digikey	P30.0KCCT-ND	
58	2	R316,R317	475	0805	ERJ-6ENF4750V	Panasonic	Digikey	P475CCT-ND	
59	1	R318	187	0805	ERJ-6ENF1870V	Panasonic	Digikey	P187CCT-ND	
60	178	U1,U2,U3,U4,U6,U7,U8,U9, U10,U11,U12,U29,U31,U32, U33,U34,U35,U36,U37,U38, U39,U40,U43,U44,U45,U46, U47,U48,U49,U50,U51,U52, U53,U56,U57,U58,U59,U60, U61,U62,U63,U64,U65,U66, U69,U70,U71,U72,U73,U74, U75,U76,U77,U78,U79,U82, U83,U84,U85,U86,U87,U88, U89,U90,U91,U92,U94,U95, U97,U98,U99,U100,U101, U102,U103,U104,U105,U108, U109,U110,U111,U112,U113, U114,U115,U116,U117,U118, U121,U122,U123,U124,U125, U126,U127,U128,U129,U130, U131,U133,U135,U136,U137, U138,U139,U140,U141,U142, U143,U144,U147,U148,U149, U150,U151,U152,U153,U154, U155,U156,U157,U160,U161, U162,U163,U164,U165,U166, U167,U168,U169,U170,U173, U174,U175,U176,U177,U178, U179,U180,U181,U182,U183, U186,U187,U188,U189,U190, U191,U192,U193,U194,U195, U196,U198,U200,U201,U202, U203,U204,U205,U206,U207, U208,U209,U211,U212,U213, U215,U216,U217,U218,U219, U220,U221,U222,U224,U228	SW-395	SOT26	MASWSS0179TR-3000	Macom	Richardson	MASWSS0179TR-3000	
61	16	U5,U30,U42,U55,U68,U81, U96,U107,U120,U134,U146, U159,U172,U185,U199,U214	SGA-4563	SOT-363	SGA-4563Z	Sirenza	Digikey	599-1036-1-ND	
62	16	U13,U41,U54,U67,U80,U93, U106,U119,U132,U145,U158, U171,U184,U197,U210,U223	74HC368	SOIC16	SN74HC368D	Texas Inst	Digikey	296-8307-5-ND	
63	15	U14,U15,U16,U17,U18,U19, U20,U21,U22,U23,U24,U25, U26,U27,U28	TCP-2-10	DB714	TCP-2-10	Minicircuits			
64	2	U226,U227	ADT1-1WT	CD542	ADT1-1WT+	Minicircuits	Minicircuits	ADT1-1WT+	
65	1	U229	SGA-4263	SOT-363	SGA-4263Z	Sirenza			
66	1	U230	CGB-1089	SOT-89A	CGB-1089Z	Sirenza			
67	2	U231,U232	LM2576HV	TO263(SM)5PIN	LM2576HVS-5.0	National		LM2576HVS-5.0-ND	
68	12	U233,U234,U235,U236,U237, U238,U239,U240,U241,U242, U243,U244	74HC595	SOIC16	SN74HC595D	Texas Inst	Digikey	296-8344-5-ND	
69	1	U245	LM1117	SOT-223	LM1117MPX-3.3	National	Digikey	LM1117MPX-3.3TR-ND	
70	1	U246	74HC132	SOIC14	MC74HC132ADR2G	ON Semi	Digikey	MC74HC132ADR2GOSCT-ND	