

*** Single-Level Explosion By Parent Part Identifier ***

LLC	Part Identifier	Description	Effectivity	Quantity	QC	UM	LTO	BT	SCR	ECN #	Rev	PT	Alternate Part
		Mfg Name	Mfg Part	Reference						Commodity			Drawing #

AA0583-2013

MELODY AVR 5 BOARD

ASSM 1.5 A

DNP:
 C61,J9
 R99,R100,R109,R111,R113,R114,R153,R175,R182,R183,R199,
 R204,R241,R258,R259,R391,R399,R482,R499,R510,R514,R545
 R292,R293,R316,R319,R329,R375,R406,R472,R474,R574,R576
 R465,R572,R612,R613,R614,R615,R36,R120

1	1000178	12.288MHZ OSC003 OSCILLATOR U36	2/6/2014	1.000000	U	EA	0	N	0	OSC	1.0	B	
		EPSON DIGI-KEY EPSON	SG-8002CA MP SG-8002CA-PCC-ND(12.288M) SG-8002CA12.2880M-PCCL3										

1	1000287	SN74LVC1G08 SOT23-5 SINGLE 2-INPUT AND U44,U60	2/6/2014	2.000000	U	EA	0	N	0	ICS	1.0	B	
		TI TI TI TI	SN74LVC1G08DBVE SN74LVC1G08DBVR SN74LVC1G08DBVRE4 SN74LVC1G08DBVRG4										

1	1000484	25MHZ OSC013 CRYSTAL FUNDAMENTAL 18PF U33,U55,U79	2/6/2014	3.000000	U	EA	0	N	0	OSC	1.0	B	
		DIGI-KEY DIGI-KEY ABRACON	535-9140-1-ND 535-9140-2-ND ABM8-25.000MHZ-B2-T										

1	1000485	24MHZ OSC013 CRYSTAL FUNDAMENTAL 18PF U80	2/6/2014	1.000000	U	EA	0	N	0	OSC	1.0	B	
		DIGI-KEY DIGI-KEY ABRACON	535-9138-1-ND 535-9138-2-ND ABM8-24.000MHZ-B2-T										

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1	1000515	IDT5T30553 SOIC8 2.5V/3.3V 1:4 CLK BUFFER U40	2/6/2014	1.000000	U	EA	0	N	0	ICS	1.0	B	
		IDT	5T30553DCG										
		IDT	5T30553DCG8										
		IDT	5T30553DCGI										
1	1000522	MT48H16M16 VFBGA54_80x90 256MB SDRAM 1.8V U50	2/6/2014	1.000000	U	EA	0	N	0	ICS	1.0	B	
		MICRON	MT48H16M16LFBF-6:H										
		MICRON	MT48H32M16LFB4-75 IT:C										
1	1000526	MT48LC16M16A2 TSOP54 16MX16-SDRAM-167MHZ U54,U74	2/6/2014	2.000000	U	EA	0	N	0	ICS	1.0	B	
		DIGI-KEY	557-1223-1-ND										
		MICRON	MT48LC16M16A2P-6A:G										
1	1000596	NC7SZ125M5X ZZZ SINGLE 3 STATE BUFFER U16,U17	2/6/2014	2.000000	U	EA	0	N	0	ICS	1.0	B	
		FAIRCHILD	NC7SZ125M5X										
		DIGI KEY	NC7SZ125M5XTR-ND										
1	1000992	27MHZ ZZZ CRYSTAL Y1	2/6/2014	1.000000	U	EA	0	N	0	OSC	1.0	B	
		ECS Inc	ECS-270-18-5PX-F-TR										
		Golledge	MP02941										
		DIGI-KEY	XC1002CT-ND										
1	1001011	TORX147L(FT) ZZZ 15 MB/S FOBER OPTIC REC MOD W/SHUTT U1	2/6/2014	1.000000	U	EA	0	N	0	ICS	1.0	B	
		DIGI KEY	1080-1432-ND										
		Everlight Elect	PLR135/T9										
		TOSHIBA	TORX147L(FT)										

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1	1002698	AD8652ARMZ ZZZ IC-ADI LOW DIST AND NOISE CMOS OP AM U2,U3,U19,U20,U24,U25,U30,U31,U38,U39,U47,U48,U52,U53,U57,U58,U64,U65,U71,U72,U77,U78,U82,U83 ADI	AD8652ARMZ	24.000000	U	EA	0	N	0	ICS	01	B	
1	1007231	XC2C256-7CPG132C ZZZ IC, CPLD, Coolrunner 2, 106 IO PINS U28 XILINX	XC2C256-7CPG132C	1.000000	U	EA	0	N	0	ICS	1.0	B	
1	1007232	N25Q032A13ESC40F ZZZ 32Mbit Serial Flash Memory, SO8N U41,U51,U62,U73 MICRON	N25Q032A13ESC40F	4.000000	U	EA	0	N	0	2014077 ICS	1.0	B	
1	30-024902-01	ADM708SARZ SOIC8 VOLTAGE-SUPERVISOR U46,U66,U76 ANALOG DEVICES	ADM708SARZ ADM708SARZ-REEL	3.000000	U	EA	0	N	0	ICS	1.0	B	
1	30-025489-02	ADSP-21489 LQFP176_EP SHARC rev 0.2 due 6/9/10 U35,U56 ANALOG DEVICES	ADSP-21489BSWZ-4B ADSP-21489KSWZ-4B	2.000000	U	EA	0	N	0	2014077 DSP	0.2	B	
1	30-025524-02	ADSP-BF524BBCZ-3A BGA208 300MHZ 17MM U67 ANALOG DEVICES	ADSP-BF524BBCZ-3A	1.000000	U	EA	0	N	0	DSP	0.2	B	
1	30-025764-01	ADP1715 MSOP8 ADJ 500MA REGULATOR		1.000000	U	EA	0	N	0	ICS	1.0	B	

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		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
		U61											
		ANALOG	ADP1715ARMZ-R7										
		ANALOG DEVICES	ADP1715ARMZ-R7										
		DIGI-KEY	ADP1715ARMZ-R7CT-ND										
	30-025783-01												
1		ADM1385ARSZ SSOP20	2/6/2014	1.000000	U	EA	0	N	0	ICS	1.0	B	
		RS232 W/SHUTDOWN											
		U81											
		ANALOG DEVICES	ADM1385ARSZ										
		ANALOG DEVICES	ADM1385ARSZ-REEL										
		ANALOG DEVICES	ADM1385ARSZ-REEL7										
	30-025789-01												
1		AD1939YSTZ LQFP64	2/6/2014	2.000000	U	EA	0	N	0	ICS	1.0	B	
		4 ADC/8 DAC DIFFERENTIAL											
		U26,U43											
		ANALOG DEVICES	AD1939YSTZ										
		ANALOG DEVICES	AD1939YSTZRL										
	30-025865-01												
1		ADP123AUJZ TSOT5	2/6/2014	1.000000	U	EA	0	N	0	ICS	1.0	B	
		0.8V-5V 300MA REGULATOR											
		U84											
		ANALOG DEVICES	ADP123AUJZ-R7										
	30-026039-01												
1		ADP2114CPZ ZZZ	2/6/2014	1.000000	U	EA	0	N	0	ICS	1.0	B	
		U63											
		ANALOG DEVICES	ADP2114ACPZ-R7										
		ANALOG DEVICES	ADP2114CPZ										
	30-026143-01												
1		ADP2164ACPZ ZZZ	2/6/2014	1.000000	U	EA	0	N	0	ICS	1.0	B	
		U59											
		ANALOG DEVICES	ADP2164ACPZ-R7										
	30-026386-01												
1		ADV7625KBCZ-8 ??? ZZZ	2/6/2014	1.000000	U	EA	0	N	0	ADI	1.0	B	
		U27											
		ANALOG DEVICES	ADV7625KBCZ-8										

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		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
1	6000761	DB9 9PIN CON038 VERTICAL P5	2/6/2014	1.000000	U	EA	0	N	0	CON	1.0	B	
		NORCOMP	191-009-213-L-571										
		NORCOMP	191-009-213-L-591										
		NORCOMP INC	191-009-213L571										
		DIGI-KEY	191-009-213L571-ND										
		DIGI-KEY	191-009-213L591-ND										
1	6000803	PWR .65MM CON045 TH J17	2/6/2014	1.000000	U	EA	0	N	0	CON	1.0	B	
		CUI	045-0883R										
		DIGI-KEY	CP1-023-ND										
		CUI	PJ1-023										
1	6000828	USB_MINI-AB 5PIN CON052 USB OTG CONN P3	2/6/2014	1.000000	U	EA	0	N	0	CON	1.0	B	
		MOLEX	56579-0576										
		DIGI-KEY	WM17122CT-ND										
		DIGI-KEY	WM17122TR-ND										
1	6000832	MOMENTARY SWT024 DON'T USE! USE 6003675 SW1,SW2,SW3,SW4,SW5,SW6,SW7	2/6/2014	7.000000	U	EA	0	N	0	SWT	1.0	B	
		PANASONIC	EVQ-Q2K03W										
		DIGI-KEY	P12943SCT-ND										
		DIGI-KEY	P12943STR-ND										
1	6000859	IDC 7x2 IDC7x2_SMTA HEADER W/ALIGNMENT J11,J15,J16	2/6/2014	3.000000	U	EA	0	N	0	CON	1.0	B	
		SAMTEC	TSM-107-01-T-DV-A										
1	6000871	IDC 3X1 IDC3X1_SMT HEADER	2/6/2014	2.000000	U	EA	0	N	0	CON	1.0	B	

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		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
		JP1,JP2											
		SAMTEC	TSM-103-01-T-SV										
1	6000880	IDC 30x2 IDC30X2_SMTA HEADER W/ALIGNMENT	2/6/2014	1.000000	U	EA	0	N	0	CON	1.0	B	
		J8											
		SAMTEC	TSSH-130-01-L-DV-A										
1	6000889	DB25 25PIN DB25FV VERTICAL-THRU HOLE	2/6/2014	3.000000	U	EA	0	N	0	CON	1.0	B	
		P1,P2,P4											
		TYCO	2-5747708-0										
		DIGI KEY	A32037-ND										
		FCI	D25S24A6GX00LF										
		FCI	D25S24AGX00LF										
1	6000908	HDMI 19P FCI_10029449-002TLF HDMI RECEPTACLE	2/6/2014	7.000000	U	EA	0	N	0	CON	1.0	B	
		J1,J2,J3,J4,J5,J6,J7											
		FCI	10029449-002LF										
		FCI	10029449-002TLF										
		DIGI KEY	609-1011-ND										
1	6000991	IDC 5X2 TSM-105-01-T-DV SMT HEADER	2/6/2014	4.000000	U	EA	0	N	0	CON	1.0	B	
		J10,J12,J13,J14											
		SAMTEC	TSM-105-01-T-DV										
1	6001040	2MM 2X7 ZZZ SMD SHROUDED GOLD		1.000000	U	EA	0	N	0	CON	1.0	B	
		JT1											
		Molex	87832-1420										
		DIGI-KEY	WM18641-ND										
1	6003663	0.10A 15V CHIP 0603 ZZZ PTC RESTTBLE	9/11/2014	2.000000	U	EA	0	N	0	2014054 FUS	1.0	B	

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		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
		FU1, FU2											
		BEL FUSE INC	0ZCM0010FF2G										
		DIGI-KEY	507-1818-2-ND										
1	7000112	600 200MA 0603	2/6/2014	2.000000	U	EA	0	N	0		1.0	B	
		EMIFIL CHIP FERRITE BEAD								FER			
		L4,L5											
		DIGI-KEY	490-1014-2-ND										
		MURATA	BLM11A601SPT										
		MURATA	BLM18AG601SN1D										
1	7000117	600 500MA 1206	2/6/2014	1.000000	U	EA	0	N	0		1.0	B	
										FER			
		L6											
		LAIRD TECH	HZ1206B601R-10										
		STEWART	HZ1206B601R-10										
		DIGI-KEY	HZ1206E601R-10										
1	7000232	190 5A FER002	2/6/2014	1.000000	U	EA	0	N	0		1.0	B	
										FER			
		F6											
		MURATA	DLW5BSN191SQ2										
		MURATA	DLW5BSN191SQ2L										
1	7000237	GREEN LED009	12/8/2014	9.000000	U	EA	0	N	0	2014085	1.0	B	
										LED			
		D1,D2,D5,D7,D8,D9,D10,D12,D13											
		DIGI-KEY	160-1169-1-ND										
		DIGI-KEY	160-1169-2-ND										
		LITE-ON	LTST-C150GKT										
1	7000242	120.0K 1/10W 1% 0805	2/6/2014	1.000000	U	EA	0	N	0		1	B	
										RES			
		R509											
		DIG01	541-120KCCT-ND										
		VISHAY	CRCW0805120KFKEA										
		KOA	RK73H2ATTD1203F										
		SEI	RMCF-1/10-120K-1%-TR										

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1	7000281	4.7K 1/16W 5% 0402	2/6/2014	9.000000	U	EA	0	N	0	RES	1	B	
		RT1,R189,R191,R194,R256,R264,R281,R516,R519											
		DIGI-KEY	541-4.7KJTR-ND										
		VISHAY	CRCW04024K70JNED										
		PANASONIC	ERJ-2GEJ472X										
		KOA	RK73B1ELTP472J										

1	7000344	1UF 16V 10% 0603 X5R	2/6/2014	7.000000	U	EA	0	N	0	CAP	1	B	
		C11,C13,C120,C135,C177,C178,C367											
		DIG01	399-5090-2-ND										
		KEMET	C0603C105K4PACTU										
		TDK	C1608X5R1C105K										
		TDK	C1608X5R1C105K080AA										
		PANASONIC	ECJ-1VB1C105K										
		TAIYO YUDEN	EMK107BJ105KA-T										
		MURRATA	GRM185R61C105KE44D										
		AVX	LT03YD105KAT2S										
		DIGI-KEY	PCC2224TR-ND										
		KOA	Y5V0603ATTD105Z										

1	7000369	1M 1/10W 5% 0603	2/6/2014	1.000000	U	EA	0	N	0	RES	1	B	
		R242											
		VISHAY	CRCW06031M00FNEA										
		VISHAY	CRCW06031M00JNEA										
		PANASONIC	ERJ-3GEYJ105V										
		DIGI-KEY	P1.0MGTR-ND										
		KOA	RK73B1JTDD105J										

1	7000371	0.0 1/10W 1% 0603	12/8/2014	35.000000	U	EA	0	N	0	2014085 RES	1.0	B	

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R30,R35,R118,R119,R211,R310,R311,R312,R313,R326,R332,R334,R344,R3

57,R359,R367,R380,R383,R385,R388,R392,R412,R422,R447,R448,R473,R490,R511,R5

12,R517,R518,R546,R553,R573,R575

PHYCOMP 232270296001L
 YAGEO 9C06031A0R00JLPFT
 VISHAY CRCW06030000Z0EA
 VISHAY CRCW06030000ZSEA
 PANASONIC ERJ-3GEY0R00V
 DIGI-KEY P0.0GTR-ND
 KOA RK73Z1JTDD

1	7000374	10 1/10W 5% 0603	2/6/2014	4.000000	U	EA	0	N	0	RES	1	B	
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R195,R502,R539,R540

VISHAY CRCW060310R0JNEA
 PANASONIC ERJ-3GEYJ100V
 DIGI-KEY P10GTR-ND
 KOA RK73B1JTDD100J

1	7000377	10.0K 1/16W 1% 0603	12/8/2014	15.000000	U	EA	0	N	0	2014085 RES	1	B	
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R178,R306,R307,R489,R621,R622,R623,R624,R625,R626,R627,R629,R630,R633,R634

DALE CRCW060310K0FKEA
 PANASONIC ERJ-3EKF1002V
 DIGI-KEY P10.0KHTR-ND
 KOA RK73H1JTDD1002F

1	7000387	4700PF 16V 10% 0603 X7R X7R	2/6/2014	1.000000	U	EA	0	N	0	CAP	1	B	
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C122

DIGI-KEY 311-1083-2-ND
 YAGEO CC0603KRX7R9BB472
 PANASONIC ECJ-1VB1C472K
 PANASONIC ECJ-1VB1H472K
 PANASONIC ECJ1VB1H472K
 KOA X7R0603HTTD472J

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1	7000388	237.0 1/10W 1% 0603	2/6/2014	16.000000	U	EA	0	N	0	RES	1	B	
		R402,R403,R413,R414,R431,R432,R435,R436,R458,R459,R467,R468,R487,R488,R497,R498											
		DIGI-KEY	311-237HRTR-ND										
		VISHAY	CRCW0603237RFKEA										
		PANASONIC	ERJ-3EKF2370V										
		YAGEO	RC0603FR-07237RL										
		KOA	RK73H1JTDD2370F										

1	7000391	11.0K 1/10W 1% 0603	2/6/2014	1.000000	U	EA	0	N	0	RES	1	B	
		R190											
		DIGI-KEY	311-11.0KHRTR-ND										
		VISHAY	CRCW060311K0FKEA										
		YAGEO	RC0603FR-0711KL										
		KOA	RK73H1JTDD1102F										
		KOA	RK73H1JTDD1102F										

1	7000405	100PF 50V 5% 0603 NPO	2/6/2014	1.000000	U	EA	0	N	0	CAP	1	B	
		C368											
		AVX	06035A101JAT2A										
		DIGI KEY	478-1175-2-ND										
		PANASONIC	ECJ-1VC1H101J										
		PANASONIC	ECJ1VG1H101J										
		KOA	NPO0603HTTD101J										

1	7000409	47.5K 1/10W 1% 0603	2/6/2014	1.000000	U	EA	0	N	0	RES	1	B	
		R524											
		DIGI-KEY	311-47.5KHRTR-ND										
		VISHAY	CRCW060347K5FKEA										
		YAGEO	RC0603FR-0747K5L										
		KOA	RK73H1JTDD4752F										
		KOA	RK73H1JTDD4752F										

1	7000410	12.4K 1/10W 1% 0603	2/6/2014	2.000000	U	EA	0	N	0	RES	1	B	

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		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
		R176,R495											
		DIGI-KEY	311-12.4KHRTR-ND										
		VISHAY	CRCW060312K4FKEA										
		YAGEO	RC0603FR-0712K4L										
		KOA	RK73H1JTDD1242F										
	7000414												
1		2200PF 50V 5% 0603 X7R X7R	2/6/2014	1.000000	U	EA	0	N	0	CAP	1	B	
		C374											
		KEMET	C0603C222J5RACTU										
		KEMET	C0603C222K5RAC7411										
		PANASONIC	ECJ-1VB1H222K										
		PANASONIC	ECJ-1VC1H222J										
		DIGI-KEY	PCC1776TR-ND										
		KOA	X7R0603HTTD222J										
	7000415												
1		33.0 1/10W 1% 0603	12/8/2014	163.000000	U	EA	0	N	0	2014085 RES	1	B	
		R28,R29,R37,R38,R39,R44,R45,R46,R47,R48,R49,R50,R51,R52,R55,R56,R59,R60,R61											
		,R62,R63,R64,R65,R66,R67,R68,R69,R70,R75,R76,R77,R78,R79,R80,R85,R86,R87,R88											
		8,R89,R90,R91,R92,R97,R98,R105,R106,R110,R112,R116,R117,R121,R122,R125,R126											
		,R127,R128,R129,R130,R131,R132,R135,R136,R137,R138,R139,R140,R141,R142,R145											
		,R146,R147,R148,R151,R152,R154,R155,R156,R157,R158,R159,R160,R161,R162,R163											
		,R166,R167,R170,R171,R172,R173,R174,R177,R188,R205,R208,R212,R213,R214,R219											
		,R220,R224,R225,R226,R234,R237,R243,R248,R249,R250,R255,R257,R262,R263,R265											
		,R335,R336,R337,R341,R347,R348,R351,R356,R358,R360,R361,R362,R363,R364,R365											
		,R366,R368,R369,R372,R378,R384,R393,R394,R396,R398,R443,R444,R445,R446,R462											
		,R463,R471,R480,R484,R529,R533,R538,R541,R544,R550,R561,R610,R616,R617,R618											
		,R619,R620,R631,R632											
		DIGI-KEY	311-33.0HRTR-ND										
		VISHAY	CRCW060333R0FKEA										
		YAGEO	RC0603FR-0733RL										
		KOA	RK73H1JTDD33R0F										

*** Single-Level Explosion By Parent Part Identifier ***

LLC	Part Identifier	Description	Effectivity	Quantity	QC	UM	LTO	BT	SCR	ECN #	Rev	PT	Alternate Part
		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
1	7000436	562.0 1/10W 1% 0603	2/6/2014	2.000000	U	EA	0	N	0	RES	1	B	
		R340,R408											
		VISHAY	CRCW0603562RFKEA										
		NIC COMPONENTS	NRC06F5620TRF										
		KOA	RK73H1JTTDD5620F										
1	7000437	390PF 25V 5% 0603 NPO	2/6/2014	2.000000	U	EA	0	N	0	CAP	1	B	
		NPO											
		C34,C70											
		AVX	06033A391FAT2A										
		AVX	06033A391JAT2A										
		PANASONIC	ECJ1VG1H391J										
		KOA	NPO0603HTTD391J										
1	7000439	5600PF 16V 5% 0805 NPO	2/6/2014	2.000000	U	EA	0	N	0	CAP	1	B	
		NPO											
		C205,C292											
		AVX	0805YA562JAT2A										
		PANASONIC	ECJ2VB1H562K										
		KOA	X7R0805HTTD562J										
1	7000444	15.0K 1/16W 1% 0603	2/6/2014	1.000000	U	EA	0	N	0	RES	1	B	
		R525											
		DIGI-KEY	311-15.0KHRTR-ND										
		VISHAY	CRCW060315K0FKEA										
		YAGEO	RC0603FR-0715KL										
		KOA	RK73H1JTTDD1502F										
1	7000452	4.99K 1/16W 1% 0603	2/6/2014	48.000000	U	EA	0	N	0	RES	1	B	
		R290,R291,R300,R301,R322,R323,R324,R325,R345,R346,R349,R350,R376,R377,R381,											
		R382,R400,R401,R420,R421,R429,R430,R439,R440,R452,R453,R476,R477,R485,R486,											
		R503,R504,R527,R528,R531,R532,R559,R560,R562,R563,R582,R583,R584,R585,R600,											
		R601,R603,R604											
		VISHAY	CRCW06034K99FKEA										
		KOA	RK73H1JTTDD4991F										
		SEI	RMCF 1/16 4.99K 1% R										

*** Single-Level Explosion By Parent Part Identifier ***

LLC	Part Identifier	Description	Effectivity	Quantity	QC	UM	LTO	BT	SCR	ECN #	Rev	PT	Alternate Part
		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
1	7000461	10UF 10V 10% 0805 X5R	2/6/2014	41.000000	U	EA	0	N	0	CAP	1	B	
		C25,C26,C27,C58,C66,C67,C179,C185,C186,C187,C200,C213,C218,C231,C236,C237,C241,C244,C253,C254,C255,C258,C261,C269,C273,C274,C278,C295,C301,C306,C328,C344,C348,C360,C369,C370,C382,C392,C401,C417,C432											
		PANASONIC	ECJ-2FB1A106K										
		MURATA	GRM21BR61A106KE19L										
1	7000466	2.0K 1/16W 1% 0603	2/6/2014	4.000000	U	EA	0	N	0	RES	1	B	
		R296,R297,R298,R299											
		PANASONIC	ERJ-3EKF2001V										
1	7000469	5.76K 1/10W 1% 0603	2/6/2014	16.000000	U	EA	0	N	0	RES	1	B	
		R123,R124,R133,R134,R143,R144,R149,R150,R164,R165,R168,R169,R179,R180,R185,R186											
		PANASONIC	ERJ-3EKF5761V										
		DIGI KEY	P5.76KHTR-ND										
1	7000553	5A MBRS540T3G SMC SCHOT_RECT	2/6/2014	1.000000	U	EA	0	N	0	DIO	1.0	B	
		D11											
		ON SEMI	MBRS540T3G										
		DIGI-KEY	MBRS540T3GOSCT-ND										
1	7000555	15KV PGB1010603 0603 ESD SUPPRESSOR	2/6/2014	3.000000	U	EA	0	N	0	DIO	1.0	B	
		U68,U69,U70											
		DIGI-KEY	F2594TR-ND										
		LITTLEFUSE	PGB1010603MR										
		LITTLEFUSE	PGB1010603NR										
1	7000556	VARISTOR V5.5MLA 30A 0603 TRANSIENT PROTECTION	2/6/2014	1.000000	U	EA	0	N	0	RES	1	B	

*** Single-Level Explosion By Parent Part Identifier ***

LLC	Part Identifier	Description	Effectivity	Quantity	QC	UM	LTO	BT	SCR	ECN #	Rev	PT	Alternate Part
		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
		D6											
		DIGI-KEY	F2214TR-ND										
		LITTLEFUZE	V5.5MLA0603										
		LITTLEFUZE	V5.5MLA0603H										
	7000557	-----											
1		PTC 0.5A 1206	2/6/2014	1.000000	U	EA	0	N	0		1	B	
		OVERCURRENT PROTECTION								RES			
		U85											
		LITTLEFUZE	1206L050-C										
		LITTLE FUZE	1206L050YR										
		DIGI-KEY	F2112TR-ND										
	7000567	-----											
1		47.0K 1/16W 1% 0402	2/6/2014	5.000000	U	EA	0	N	0		1	B	
										RES			
		R294,R295,R333,R379,R409											
		ROHM	MCR01MZPF4702										
		DIGI-KEY	RHM47.0KLCT-ND										
		DIGI-KEY	RHM47.0KLTR-ND										
	7000571	-----											
1		1.0K 1/16W 1% 0402	12/8/2014	18.000000	U	EA	0	N	0	2014085	1	B	
										RES			
		R13,R14,R115,R187,R395,R397,R427,R455,R456,R457, R475,R481,R493,R496,R564,R565,R566,R577											
		PANASONIC	ERJ-2RKF1001X										
		DIGI-KEY	P1.00KLCT-ND										
		DIGI-KEY	P1.00KLTR-ND										
	7000581	-----											
1		8.20K 1/10W 1% 0603	2/6/2014	2.000000	U	EA	0	N	0		1	B	
										RES			
		R196,R543											
		DIGI-KEY	541-8.20KHCT-ND										
		VISHAY	CRCW06038K20FKEA										
	7000590	-----											
1		100K 1/16W 5% 0402	2/6/2014	61.000000	U	EA	0	N	0		1	B	
										RES			

*** Single-Level Explosion By Parent Part Identifier ***

LLC	Part Identifier	Description	Effectivity	Quantity	QC	UM	LTO	BT	SCR	ECN #	Rev	PT	Alternate Part
		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
		R192,R193,R231,R232,R233,R238,R288,R289,R302,R303,R320,R321,R327,R328,R342, R343,R352,R353,R373,R374,R386,R387,R404,R405,R417,R418,R419,R425,R426,R433, R434,R437,R438,R460,R461,R469,R470,R491,R492,R500,R501,R515,R522,R523,R534, R535,R548,R549,R554,R555,R567,R568,R580,R581,R586,R587,R591,R598,R599,R606, R607											
		DIGI-KEY	541-100KJCT-ND										
		DIGI-KEY	541-100KJTR-ND										
		VISHAY	CRCW0402100KJNED										
	7000607												
1		2.2UF 25V 10% 0805 X7R X7R	2/6/2014	2.000000	U	EA	0	N	0	CAP	1	B	
		C383,C398											
		DIGI KEY	445-6860-2-ND										
		DIGI-KEY	490-3331-1-ND										
		DIGI-KEY	490-3331-2-ND										
		TDK	C2012X7R1E225K										
		MURATA	GRM21BR71E225KA73L										
	7000650												
1		40K 1/16W 0.1% 0402	2/6/2014	1.000000	U	EA	0	N	0	RES	1	B	
		R530											
		STACKPOLE	RNC 10 T9 40K 0.1% R										
		DIGI-KEY	RNC10T940K0.1%R-ND										
	7000659												
1		18PF 50V 5% 0402 NP0	2/6/2014	10.000000	U	EA	0	N	0	CAP	1	B	
		C56,C57,C264,C268,C332,C338,C435,C436,C437,C438											
		AVX	04025A180JAT2A										
		DIGI KEY	478-1073-1-ND										
		DIGI KEY	478-1073-2-ND										
		DIGI-KEY	490-1281-1-ND										
		DIGI KEY	490-1281-2-ND										
		DIGI KEY	587-1950-2-ND										
		PANASONIC	ECJ-0EC1H180J										
		Murata	GRM1555C1H180JA01D										
		MURATA	GRM1555C1H180JZ01D										
		DIGI-KEY	PCC180CQCT-ND										
		TAIYO YUDEN	UMK105CG180JV-F										

*** Single-Level Explosion By Parent Part Identifier ***

LLC	Part Identifier	Description	Effectivity	Quantity	QC	UM	LTO	BT	SCR	ECN #	Rev	PT	Alternate Part
		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
1	7000660	33 1/16W 5% RNS003 SERIES	2/6/2014	14.000000	U	EA	0	N	0	RNS	1.0	B	
		RA1,RA2,RA3,RA4,RA7,RA8,RA11,RA12,RA13,RA14,RA15,RA16,RA19,RA20											
		PANASONIC	EXB-2HV330JV										
		DIGI-KEY	Y1330TR-ND										

1	7000661	33 1/32W 5% RNS005 SERIES	2/6/2014	6.000000	U	EA	0	N	0	RNS	1.0	B	
		RA5,RA6,RA9,RA10,RA17,RA18											
		PANASONIC	EXB-28V330JX										
		DIGI-KEY	Y7330CT-ND										
		DIGI-KEY	Y7330TR-ND										

1	7000663	0.01UF 25V 10% 0402 X7R X7R	2/6/2014	19.000000	U	EA	0	N	0	CAP	1	B	
		C164,C206,C216,C220,C272,C287,C310,C314,C315,C318,C319,C324,C352,C371,C410, C430,C431,C443,C444											
		DIGI-KEY	399-1278-1-ND										
		KEMET	C0402C103K3RACTU										
		PANASONIC	ECJ-0EB1E103K										
		DIGI-KEY	PCC2270CT-ND										

1	7000664	30.0K 1/10W 1% 0603	2/6/2014	2.000000	U	EA	0	N	0	RES	1	B	
		R508,R526											
		DIGI-KEY	311-30.0KHRTR-ND										
		YAGEO	RC0603FR-0730KL										

1	7000668	2.67K 1/16W 1% 0402	2/6/2014	32.000000	U	EA	0	N	0	RES	1	B	
		R2,R4,R10,R12,R20,R22,R32,R34,R41,R43,R72,R74,R82,R84,R102,R104,R201,R203,R 216,R218,R228,R230,R245,R247,R252,R254,R269,R271,R273,R275,R283,R285											
		PANASONIC	ERJ-2RKF2671X										
		DIGI-KEY	P2.67KLTR-ND										

1	7000677	27K 1/16W 5% 0402	2/6/2014	1.000000	U	EA	0	N	0	RES	1	B	

*** Single-Level Explosion By Parent Part Identifier ***

LLC	Part Identifier	Description	Effectivity	Quantity	QC	UM	LTO	BT	SCR	ECN #	Rev	PT	Alternate Part
		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
		R23											
		PANASONIC	ERJ-2GEJ273X										
		DIGI-KEY	P27KJCT-ND										
		DIGI-KEY	P27KJTR-ND										
	7000679												
1		100.0 1/16W 1% 0402	2/6/2014	40.000000	U	EA	0	N	0	RES	1	B	
		R5,R6,R7,R8,R24,R25,R26,R27,R53,R54,R57,R58,R93,R94,R95,R96,R206,R207,R209, R210,R235,R236,R239,R240,R260,R261,R266,R267,R276,R277,R278,R279,R423,R424, R441,R442,R478,R479,R505,R506											
		DIGI-KEY	541-100LCT-ND										
		DIG01	541-100LTR-ND										
		VISHAY	CRCW0402100RFKED										
		ROHM	MCR01MZPF1000										
		DIGI-KEY	RHM100LCT-ND										
	7000683												
1		1000PF 50V 5% 0402 NPO	2/6/2014	18.000000	U	EA	0	N	0	CAP	1	B	
		NPO											
		C153,C166,C285,C286,C290,C291,C299,C300,C304,C305,C311,C312,C326,C327,C341, C342,C350,C351											
		DIGI-KEY	490-3244-1-ND										
		DIGI-KEY	490-3244-2-ND										
		MURATA	GRM1555C1H102JA01D										
	7000684												
1		100PF 50V 5% 0402 COG	2/6/2014	8.000000	U	EA	0	N	0	CAP	1	B	
		C288,C289,C302,C303,C316,C317,C345,C346											
		MURATA	GCM1555C1H101JA16D										
		DIGI-KEY	490-4756-1-ND										
		DIGI-KEY	490-4756-2-ND										
		MURATA	GCM1555C1H101JZ13D										
	7000685												
1		300PF 100V 5% 0603 COG	2/6/2014	16.000000	U	EA	0	N	0	CAP	1	B	
		COG											
		C59,C60,C75,C76,C80,C81,C92,C93,C95,C96,C105,C106,C107,C108,C117,C118											
		DIGI-KEY	490-1362-1-ND										
		DIGI-KEY	490-1362-2-ND										
		MOUSER	81-GRM1885C2A30JA1D										
		MURATA	GRM1885C2A301JA01D										

*** Single-Level Explosion By Parent Part Identifier ***

LLC	Part Identifier	Description	Effectivity	Quantity	QC	UM	LTO	BT	SCR	ECN #	Rev	PT	Alternate Part
		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
1	7000686	2.43K 1/16W 1% 0402	2/6/2014	32.000000	U	EA	0	N	0	RES	1	B	
		R1,R3,R9,R11,R19,R21,R31,R33,R40,R42,R71,R73,R81,R83,R101,R103,R200,R202,R215,R217,R227,R229,R244,R246,R251,R253,R268,R270,R272,R274,R282,R284											
		DIGI-KEY	541-2.43KLCT-ND										
		VISHAY	CRCW04022K43FKED										
		PANASONIC	ERJ-2RK2431X										
		DIGI-KEY	P2.43KLCT-ND										
		DIGI-KEY	P2.43KLTR-NDDIGI-KEY										

1	7000687	750.0 1/16W 1% 0402	2/6/2014	32.000000	U	EA	0	N	0	RES	1	B	
		R286,R287,R304,R305,R317,R318,R330,R331,R338,R339,R354,R355,R370,R371,R389,R390,R520,R521,R536,R537,R551,R552,R569,R570,R578,R579,R588,R589,R595,R596,R608,R609											
		DIGI-KEY	541-750LCT-ND										
		VISHAY	CRCW0402750RFKED										
		PANASONIC	ERJ-2RK7500X										
		DIGI-KEY	P750LCT-ND										

1	7000689	680PF 50V 5% 0402 COG	2/6/2014	64.000000	U	EA	0	N	0	CAP	1	B	
		COG											
		C3,C4,C9,C10,C17,C18,C23,C24,C31,C32,C40,C41,C48,C49,C54,C55,C126,C127,C133,C134,C139,C140,C145,C146,C149,C150,C156,C157,C162,C163,C171,C172,C173,C174,C175,C176,C181,C182,C183,C184,C201,C202,C209,C210,C256,C257,C262,C263,C384,C385,C395,C396,C425,C426,C427,C428,C433,C434,C439,C440,C445,C446,C447,C448											
		DIGI-KEY	490-3240-1-ND										
		DIGI-KEY	490-3240-2-ND										
		MURATA	GRM1555C1H681JA01D										

1	7000705	22UF 6.3V 20% ELEC_4MM ELEC	2/6/2014	64.000000	U	EA	0	N	0	CAP	1	B	
		ELEC											
		C1,C2,C7,C8,C15,C16,C21,C22,C28,C29,C38,C39,C46,C47,C52,C53,C62,C63,C64,C65,C71,C72,C73,C74,C82,C83,C84,C85,C88,C89,C90,C91,C97,C98,C99,C100,C101,C102,C103,C104,C109,C110,C111,C112,C113,C114,C115,C116,C124,C125,C131,C132,C137,C138,C143,C144,C147,C148,C154,C155,C160,C161,C169,C170											
		PANASONIC	EEE-FC0J220R										
		DIGI-KEY	PCE3984TR-ND										
		DIGI-KEY	PCE4329CT-ND										

*** Single-Level Explosion By Parent Part Identifier ***

LLC	Part Identifier	Description	Effectivity	Quantity	QC	UM	LTO	BT	SCR	ECN #	Rev	PT	Alternate Part
		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
1	7000710	22UF 6.3V 20% ELEC_5MM BIPOLAR BIPOLAR	2/6/2014	16.000000	U	EA	0	N	0		1	B	
		C5,C6,C19,C20,C35,C36,C50,C51,C129,C130,C141,C142,C151,C152,C167,C168								CAP			
		MOUSER	647-UWP0J220MCL										
		NICHICON	UWP0J220MCL1GB										

1	7000717	806.0 1/10W 1% 0402	2/6/2014	2.000000	U	EA	0	N	0		1	B	
		R428,R483								RES			
		DIGI-KEY	541-806LTR-ND										
		VISHAY	CRCW0402806RFKED										
		PANASONIC	ERJ-2RKF8060X										
		DIGI-KEY	P806LTR-ND										

1	7000718	30A GSOT05 SOT23-3 ESD SUPPRESSOR-5V	2/6/2014	1.000000	U	EA	0	N	0		1.0	B	
		U75								DIO			
		DIGI-KEY	751-1416-1-ND										
		DIGI-KEY	751-1416-2-ND										
		VISHAY	GSOT05-E3-08										
		DIGIKEY	GSOT05-E3-08TR-ND										
		VISHAY	GSOT05-GS08										

1	7000724	220.0 1/10W 1% 0603	12/8/2014	9.000000	U	EA	0	N	0	2014085	1	B	
		R15,R16,R542,R547,R594,R597,R605,R611,R628								RES			
		PANASONIC	ERJ-3EKF2200V										
		DIGI-KEY	P220HTR-ND										

1	7000755	5A RCLAMP0524 DIO_RCLAMP0524 TVS ARRAY_4	2/6/2014	14.000000	U	EA	0	N	0		1.0	B	
		U4,U5,U7,U8,U10,U11,U13,U14,U22,U23,U32,U34,U42,U45								DIO			
		SEMTECH	RCLAMP0524P.TCT										
		DIGI KEY	RCLAMP0524PTR-ND										

1	7000756	6A RCLAMP0504 DIO_RCLAMP0504 TVS ARRAY_4	2/6/2014	7.000000	U	EA	0	N	0		1.0	B	
										DIO			

*** Single-Level Explosion By Parent Part Identifier ***

LLC	Part Identifier	Description	Effectivity	Quantity	QC	UM	LTO	BT	SCR	ECN #	Rev	PT	Alternate Part
		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
		U6,U9,U12,U15,U21,U29,U37											
		SEMTECH	RCLAMP0504P.TCT										
		DIGI KEY	RCLAMP0504PTR-ND										
1	7000757	30MA DB3X314 DIO_DB3X314 SCHOTTKY	2/6/2014	1.000000	U	EA	0	N	0	DIO	1.0	B	
		U18											
		PANASONIC	DB3X314K0L										
		DIGI KEY	DB3X314K0LTR-ND										
		PANASONIC	MA3X704A0L										
		DIGI KEY	MA3X704A0LTR-ND										
1	7000876	220UF 10V 20% ZZZ SMD	2/6/2014	1.000000	U	EA	0	N	0	CAP	1	B	
		C136											
		Panasonic	EEE-FK1A221P										
		DIGIKEY	PCE3775TR-ND										
1	7000939	1UH 30% ZZZ IND0XX	2/6/2014	1.000000	U	EA	0	N	0	IND	1.0	B	
		L1											
		COILCRAFT	MSS1038-102NL										
		COILCRAFT	MSS1038-102NLC										
1	7001027	47UF 10V 20% 1206 X5R ZZZ X5R	2/6/2014	16.000000	U	EA	0	N	0	CAP	1	B	
		C119,C297,C298,C335,C336,C347,C353,C354,C359,C375,C376,C378,C379,C380,C421,C422											
		DIGIKEY	399-5508-1-ND										
		Maruta	47UF 10V 20% 1206 X5R ZZZ										
		KEMET	C1206C476M8PACTU										
1	7001028	0.047UF 6.3V 20% 0603 X7R ZZZ X7R 0603	2/6/2014	2.000000	U	EA	0	N	0	CAP	1	B	
		C387,C388											
		DIG01	311-1235-2-ND										
		Yageo	CX0603MRX7R7BB473										

*** Single-Level Explosion By Parent Part Identifier ***

LLC	Part Identifier	Description	Effectivity	Quantity	QC	UM	LTO	BT	SCR	ECN #	Rev	PT	Alternate Part
		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
1	7001029	10uH 30% ZZZ 10.0X10.2MM L3 Coilcraft Coilcraft	2/6/2014	1.000000	U	EA	0	N	0	IND	1.0	B	
		MSS1038-103NLB MSS1038-103NLC											
1	7001030	3.8uH 30% ZZZ 10.0X10.2MM L2 Coilcraft Coilcraft	2/6/2014	1.000000	U	EA	0	N	0	IND	1.0	B	
		MSS1038-382NLB MSS1038-382NLC											
1	7001031	22K 1/16W 5% 0603 ZZZ 0603 R513 DIG01 Yageo	2/6/2014	1.000000	U	EA	0	N	0	RES	1	B	
		311-22KGRTR-ND RC0603JR-0722KL											
1	7001034	47PF 50V 5% 0603 COG COG C121 Yageo	2/6/2014	1.000000	U	EA	0	N	0	CAP	1	B	
		CC0603JRNPO9BN470											
1	7001035	51.1 1/16W 1% 0603 ZZZ 0603 R17,R18,R314,R315 DIG01 Yageo	2/6/2014	4.000000	U	EA	0	N	0	RES	1	B	
		311-51.1HRTR-ND RC0603FR-0751R1L											
1	7001038	30MA CDBU00340SCHOT ZZZ 0603 D3,D4 DIG01 Comchip Technol	2/6/2014	2.000000	U	EA	0	N	0	DIO	1.0	B	
		641-1006-2-ND CDBU00340											
1	7001073	470.0 1/16W 1% 0402 ZZZ 0402	2/6/2014	2.000000	U	EA	0	N	0	RES	1	B	

*** Single-Level Explosion By Parent Part Identifier ***

LLC	Part Identifier	Description	Effectivity	Quantity	QC	UM	LTO	BT	SCR	ECN #	Rev	PT	Alternate Part
		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
		R107,R108											
		Panasonic	ERJ-2RKF4700X										
		DIGI-KEY	P470LTR-ND										
1	7001294	? 34836 ZZZ	2/6/2014	1.000000	U	EA	0	N	0		1.0	B	
		TSOP IR Receiver Module								DIO			
		U49											
		VISHAY	TSOP34836										
1	7001316	1.0UF 10V 10% 0805 ZZZ	2/6/2014	24.000000	U	EA	0	N	0		1	B	
		0805								CAP			
		F1,F2,F3,F4,F5,F8,F9,F10,F11,F12,F13,F14,F15,F18,F19,F20,F21,F22,F23,F24,F25,F7, F16, F17											
		MURATA	NFM21PC105B1A3D										
		DIGIKEY	NFM21PC105B1A3D-ND										
1	A0583-2013	MELODY AVR 5 PCB		1.000000	U	EA	0	N	0		0.3	B	
										PCB			