

**\* 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 #

AA0928-2016

MELODY-7 BOARD

ASSM 1.1 A

DNP:  
R100,R113,R114,R153,R199,R204,  
R241,R258,R259,R510,R514,R545  
R292,R293,R316,R319,R329,R375,  
R406,R612,R613,R614,R615,R796  
MH1,MH2,MH3,MH4,MH5,MH6  
J9  
C61,C522,C523,C542,C543

1	1000287	SN74LVC1G08 SOT23-5 SINGLE 2-INPUT AND		2.000000	U	EA	0	N	0	ICS	1.0	B	
		U44,U103											
		TI (R)	SN74LVC1G08DBVE										
		TI (R)	SN74LVC1G08DBVR										
		TI (R)	SN74LVC1G08DBVRE4										
		TI (R)	SN74LVC1G08DBVRG4										
1	1000484	25MHZ OSC013 CRYSTAL FUNDAMENTAL 18PF		1.000000	U	EA	0	N	0	OSC	1.0	B	
		U79											
		DIGI-KEY (R)	535-9140-1-ND										
		DIGI-KEY (R)	535-9140-2-ND										
		ABRACON (R)	ABM8-25.000MHZ-B2-T										
1	1000485	24MHZ OSC013 CRYSTAL FUNDAMENTAL 18PF		1.000000	U	EA	0	N	0	OSC	1.0	B	
		U80											
		DIGI-KEY (R)	535-9138-1-ND										
		DIGI-KEY (R)	535-9138-2-ND										
		ABRACON (R)	ABM8-24.000MHZ-B2-T										
1	1000522	MT48H16M16 VFBGA54_80x90 512MB SDRAM 1.8V		1.000000	U	EA	0	N	0	ICS	1.0	B	
		U50											
		MICRON (R)	MT48H16M16LFBF-6:H										
		MICRON	MT48H32M16LFB4-6 IT:C										
		MICRON (R)	MT48H32M16LFB4-75 IT:C										

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1	1000596	NC7SZ125M5X ZZZ SINGLE 3 STATE BUFFER U16,U17 FAIRCHILD DIGI KEY	NC7SZ125M5X NC7SZ125M5XTR-ND	2.000000	U	EA	0	N	0	ICS	1.0	B	
1	1000992	27MHZ ZZZ CRYSTAL Y1 ECS INC. (R) Golledge DIGI-KEY	ECS-270-18-5PX-F-TR MP02941 XC1002CT-ND	1.000000	U	EA	0	N	0	OSC	1.0	B	
1	1001090	12.288MHZ ASFL1-12.288MHZ-L-T 3.3V OSCILLATOR U104 DIGIKEY DIGIKEY ABRACON (R)	535-10810-1-ND 535-10810-2-ND ASFL1-12.288MHZ-L-T	1.000000	U	EA	0	N	0	OSC	1.0	B	
1	1002698	AD8652ARMZ ZZZ IC-ADI LOW DIST AND NOISE CMOS OP AM U2,U3,U19,U20,U24,U25,U30,U31,U64,U65,U71,U72,U77,U78,U82,U83, U89,U90,U91,U92,U93,U94,U95,U96 ADI (R)	AD8652ARMZ	24.000000	U	EA	0	N	0	ICS	01	B	
1	1007197	W25Q128FV SOIC8 128MBIT QUAD SPI FLASH U102 WINBOND (R) DIGI-KEY	W25Q128FVSIG W25Q128FVSIG-ND	1.000000	U	EA	0	N	0	ICS	1.0	B	
1	1007231	XC2C256-7CPG132C ZZZ IC, CPLD, Coolrunner 2, 106 IO PINS U28 DIGI-KEY XILINX	122-1399-ND XC2C256-7CPG132C	1.000000	U	EA	0	N	0	ICS	1.0	B	

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1	1007232	N25Q032A13ESC40F ZZZ 32Mbit Serial Flash Memory, SO8N U41,U62 MICRON	N25Q032A13ESC40F	2.000000	U	EA	0	N	0	ICS	1.0	B	
1	1008039	OSCILLATOR, 3.3V, 25.000MHZ XTAL HCMOS/TTL COMPATIBLE CLOCK OS U109 DIGI-KEY ABRACON CORP.	300-8254-6-ND ASFL1-25.000MHZ-EC	1.000000	U	EA	0	N	0	OSC	1.0	B	
1	1008149	MT41K256M16TW-107:P 20nm V00H 4Gb DDR3L (FREE) U88 MICRON	MT41K256M16TW-107:P	1.000000	U	EA	0	N	0	ICS	1.0	B	
1	1008236	OSCILLATOR, 3.3V, 24.576MHZ U105,U110 DIGI-KEY ABRACON	300-8253-2-ND ASFL1-24.576MHZ-EC-T	2.000000	U	EA	0	N	0	OSC	1.0	B	
1	1008237	OSCILLATOR, 3.3V, 49.152MHZ U106 MOUSER ABRACON	559-F3160-49.152 ASFL1-49.152MHZ	1.000000	U	EA	0	N	0	OSC	1.0	B	
1	30-024902-01	ADM708SARZ SOIC8 VOLTAGE-SUPERVISOR U46,U76 ADI (R) ADI (R)	ADM708SARZ ADM708SARZ-REEL	2.000000	U	EA	0	N	0	ICS	1.0	B	
1	30-025524-02	ADSP-BF524BBCZ-3A BGA208 300MHZ 17MM		1.000000	U	EA	0	N	0	DSP	0.2	B	

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		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
		U67											
		ADI (R)	ADSP-BF524BBCZ-3A										
1	30-025764-01	ADP1715 MSOP8 ADJ 500MA REGULATOR		1.000000	U	EA	0	N	0	ICS	1.0	B	
		U61											
		ADI (R)	ADP1715ARMZ-R7										
		ANALOG DEVICES	ADP1715ARMZ-R7										
		DIGI-KEY	ADP1715ARMZ-R7CT-ND										
1	30-025783-01	ADM1385ARSZ SSOP20 RS232 W/SHUTDOWN		1.000000	U	EA	0	N	0	ICS	1.0	B	
		U81											
		ADI (R)	ADM1385ARSZ										
		ADI (R)	ADM1385ARSZ-REEL										
		ADI (R)	ADM1385ARSZ-REEL7										
1	30-025789-01	AD1939YSTZ LQFP64 4 ADC/8 DAC DIFFERENTIAL		3.000000	U	EA	0	N	0	ICS	1.0	B	
		U26,U43,U101											
		ADI (R)	AD1939YSTZ										
		ADI (R)	AD1939YSTZRL										
1	30-025865-01	ADP123AUJZ TSOT5 0.8V-5V 300MA REGULATOR		2.000000	U	EA	0	N	0	ICS	1.0	B	
		U84,U108											
		ADI (R)	ADP123AUJZ-R7										
1	30-026039-01	ADP2114CPZ ZZZ		1.000000	U	EA	0	N	0	ICS	1.0	B	
		U63											
		ADI (R)	ADP2114ACPZ-R7										
		ADI (R)	ADP2114CPZ										
1	30-026143-01	ADP2164ACPZ ZZZ		1.000000	U	EA	0	N	0	ICS	1.0	B	

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		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
		U59											
		ADI	ADP2164ACPZ-1.0-R7										
		ADI (R)	ADP2164ACPZ-R7										
1	30-026386-01	ADV7625KBCZ-8 ??? ZZZ		1.000000	U	EA	0	N	0	ICS	1.0	B	
		U27											
		ADI (R)	ADV7625KBCZ-8										
1	30-026519-02	ADSP-21573-BCZ ZZZ		1.000000	U	EA	0	N	0	DSP	1.0	B	
		U35											
		ADI	ADSP-21573-BCZENG										
1	6000761	DB9 9PIN CON038 VERTICAL		1.000000	U	EA	0	N	0	CON	1.0	B	
		P5											
		NORCOMP (R)	191-009-213-L-571										
		NORCOMP (R)	191-009-213-L-591										
		NORCOMP (R)	191-009-213L571										
		DIGI-KEY (R)	191-009-213L571-ND										
		DIGI-KEY (R)	191-009-213L591-ND										
1	6000803	PWR .65MM CON045 TH		1.000000	U	EA	0	N	0	CON	1.0	B	
		J17											
		CUI INC (R)	045-0883R										
		DIGI-KEY (R)	CP1-023-ND										
		CUI INC (R)	PJ1-023										
1	6000828	USB_MINI-AB 5PIN CON052 USB OTG CONN		1.000000	U	EA	0	N	0	CON	1.0	B	
		P3											
		MOLEX (R)	56579-0576										
		DIGI-KEY	WM17122CT-ND										
		DIGI-KEY	WM17122TR-ND										
1	6000859	IDC 7x2 IDC7x2_SMTA HEADER W/ALIGNMENT		1.000000	U	EA	0	N	0	CON	1.0	B	

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		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
		J16											
		SAMTEC (R)	TSM-107-01-T-DV-A										
1	6000880	IDC 30x2 IDC30X2_SMTA HEADER W/ALIGNMENT		1.000000	U	EA	0	N	0	CON	1.0	B	
		P11											
		SAMTEC (R)	TSSH-130-01-L-DV-A										
1	6000889	DB25 25PIN DB25FV VERTICAL-THRU HOLE		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		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	6001024	IDC 5X2 3M_N2510-6002-RB HEADER SHROUDED POLARIZED		3.000000	U	EA	0	N	0	CON	1.0	B	
		P7,P8,P9											
		DIGIKEY	MHC10K-ND										
		3M	N2510-6002RB										
1	6001040	2MM 2X7 ZZZ SMD SHROUDED GOLD		1.000000	U	EA	0	N	0	CON	1.0	B	
		P10											
		Molex	87832-1420										
		DIGI-KEY	WM18641-ND										
1	6001198	0.05 10PIN SAMTEC_SHF-105-01-L-D-SM-K HEADER SHROUDED SMT		1.000000	U	EA	0	N	0	CON	1.0	B	

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		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
		P6											
		SAMTEC (R)	SHF-105-01-L-D-SM-K-TR										
1	6001203	FIBER-OPTIC SPDIF EVERLIGHT_PLT133/T- TRANSMITTER TH		1.000000	U	EA	0	N	0	CON	1.0	B	
		J22											
		DIGI-KEY (R)	1080-1430-ND										
		EVERLIGHT (R)	PLT133/T10W										
1	6001204	FIBER-OPTIC SPDIF EVERLIGHT_PLR135/T RECEIVER TH		1.000000	U	EA	0	N	0	CON	1.0	B	
		J21											
		DIGI-KEY (R)	1080-1433-ND										
		EVERLIGHT (R)	PLR135/T10										
1	6002425	TSW-106-08-G-T ZZZ CONN-PCB HDR SQ POST ST 3-ROW CNTH		1.000000	U	EA	0	N	0	CON	01	B	
		J23											
		SAMTEC (R)	TSW-106-08-G-T										
1	6003663	0.10A 15V CHIP 0603 ZZZ PTC RESTTBLE		2.000000	U	EA	0	N	0	FUS	1.0	B	
		FU1,FU2											
		BEL FUSE INC	0ZCM0010FF2G										
		DIGI-KEY	507-1818-2-ND										
1	6003675	MOMENTARY SW_ADTSMW64		5.000000	U	EA	0	N	0	SWT	1.0	B	
		SW1,SW2,SW3,SW4,SW6,SW7,SW8,SW9											
		DIGI-KEY	679-2310-2-ND										
		APEM INC	ADTSMW64NVTR										
1	7000112	600 200MA 0603 EMIFIL CHIP FERRITE BEAD		2.000000	U	EA	0	N	0	FER	1.0	B	
		L4,L5											
		DIGI-KEY (R)	490-1014-2-ND										
		MURATA (R)	BLM11A601SPT										
		MURATA (R)	BLM18AG601SN1D										

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1	7000117	600 500MA 1206		1.000000	U	EA	0	N	0	FER	1.0	B	
		L6											
		LAIRD TECH	HZ1206B601R-10										
		STEWARD (R)	HZ1206B601R-10										
		DIGI-KEY (R)	HZ1206E601R-10										
-----													
1	7000232	190 5A FER002		1.000000	U	EA	0	N	0	FER	1.0	B	
		F6											
		MURATA (R)	DLW5BSN191SQ2										
		MURATA (R)	DLW5BSN191SQ2L										
-----													
1	7000237	GREEN LED009		10.000000	U	EA	0	N	0	LED	1.0	B	
		D1,D2,D5,D7,D8,D9,D10,D12,D13,D14											
		DIGI-KEY	160-1169-1-ND										
		DIGI-KEY	160-1169-2-ND										
		LITE-ON	LTST-C150GKT										
-----													
1	7000242	120.0K 1/10W 1% 0805		2.000000	U	EA	0	N	0	RES	1	B	
		R509,R843											
		DIG01	541-120KCCT-ND										
		VISHAY (R)	CRCW0805120KFKEA										
		KOA (R)	RK73H2ATTD1203F										
		SEI (R)	RMCF-1/10-120K-1%-TR										
-----													
1	7000278	0.1UF 10V 10% 0402 X5R		178.000000	U	EA	0	N	0	CAP	1	B	



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		C12,C14,C30,C33,C37,C42,C43,C44,C45,C68,C69,C77,C78,C79,C86,C87,C94,C123, C158,C159,C165,C180,C188,C189,C190,C191,C192,C193,C194,C195,C196,C197, C198,C199,C203,C204,C207,C208,C211,C212,C214,C215,C217,C219,C221,C222, C223,C224,C225,C226,C227,C228,C229,C230,C232,C233,C234,C235,C238,C239, C240,C242,C243,C245,C246,C247,C248,C249,C250,C251,C252,C259,C260,C265, C266,C267,C270,C271,C275,C276,C277,C279,C280,C281,C282,C283,C284,C309, C313,C349,C372,C373,C377,C381,C386,C389,C390,C391,C393,C394,C397,C399, C400,C402,C403,C404,C405,C406,C407,C408,C409,C411,C412,C413,C414,C415, C416,C418,C419,C420,C423,C424,C429,C441,C442,C507,C508,C509,C512,C513, C517,C519,C521,C530,C531,C532,C533,C534,C535,C536,C539,C540,C541,C545, C547,C549,C550,C551,C552,C553,C554,C555,C556,C557,C558,C559,C560,C561, C562,C563,C564,C565,C566,C567,C568,C569,C570,C571,C572,C573,C574,C575, C576,C577,C578,C579,C580,C581											
		AVX CORPOR (R)	0402ZD104KAT2A										
		KOA (R)	X7R0402CTTD104J										
1	7000279	0.01UF 16V 10% 0402 X7R		2.000000	U	EA	0	N	0		1	B	
										CAP			
		C546,C548											
		AVX CORPOR (R)	0402YC103KAT2A										
		KEMET (R)	C0402C103K4RAC TU										
		KOA (R)	X7R0402CTTD103J										
1	7000281	4.7K 1/16W 5% 0402		6.000000	U	EA	0	N	0		1	B	
										RES			
		R191,R194,R256,R264,R516,R519											
		DIGI-KEY (R)	541-4.7KJTR-ND										
		VISHAY (R)	CRCW04024K70JNED										
		PANASONIC (R)	ERJ-2GEJ472X										
		KOA (R)	RK73B1ELTP472J										
1	7000344	1UF 16V 10% 0603 X5R		9.000000	U	EA	0	N	0		1	B	
										CAP			
		C11,C13,C120,C135,C177,C178,C367,C528,C529											
		DIGI-KEY (R)	399-5090-2-ND										
		KEMET (R)	C0603C105K4PACTU										
		TDK	C1608X5R1C105K080AA										
		TAIYO YUDE (R)	EMK107BJ105KA-T										
		MURATA (R)	GRM185R61C105KE44D										
		AVX CORPOR (R)	LT03YD105KAT2S										
		KOA (R)	Y5V0603ATTD105Z										

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1	7000369	1M 1/10W 5% 0603		1.000000	U	EA	0	N	0	RES	1	B	
		R242											
		VISHAY (R)	CRCW06031M00JNEA										
		PANASONIC (R)	ERJ-3GEYJ105V										
		DIGI-KEY (R)	P1.0MGTR-ND										
		KOA (R)	RK73B1JTTDD105J										
-----													
1	7000371	0.0 1/10W 1% 0603		39.000000	U	EA	0	N	0	RES	1.0	B	
		R30,R35,R118,R119,R211,R310,R311,R312,R313,R326,R332,R334,R344, R357,R359,R367,R380,R383,R385,R388,R392,R412,R422,R448,R490, R511,R512,R517,R546,R553,R573,R745,R746,R803,R804,R840,R845, R919,R920											
		PHYCOMP (R)	232270296001L										
		YAGEO (R)	9C06031A0R00JLPFT										
		VISHAY (R)	CRCW06030000Z0EA										
		VISHAY (R)	CRCW06030000ZSEA										
		PANASONIC (R)	ERJ-3GEY0R00V										
		DIGI-KEY (R)	P0.0GTR-ND										
		KOA (R)	RK73Z1JTTDD										
-----													
1	7000374	10 1/10W 5% 0603		4.000000	U	EA	0	N	0	RES	1	B	
		R195,R502,R539,R540											
		VISHAY (R)	CRCW060310R0JNEA										
		PANASONIC (R)	ERJ-3GEYJ100V										
		DIGI-KEY (R)	P10GTR-ND										
		KOA (R)	RK73B1JTTDD100J										
-----													
1	7000377	10.0K 1/16W 1% 0603		63.000000	U	EA	0	N	0	RES	1	B	

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		R178,R184,R197,R198,R221,R222,R223,R280,R306,R307,R407,R410,R411, R415,R416,R454,R466,R489,R494,R507,R592,R593,R602,R621,R622,R623, R624,R626,R627,R629,R630,R633,R744,R777,R778,R779,R780,R781,R788, R789,R790,R791,R792,R793,R795,R797,R799,R807,R808,R809,R849, R851,R868,R872,R873,R878,R880,R881,R882,R885,R886,R887,R888 VISHAY/DAL (R) CRCW060310K0FKEA PANASONIC (R) ERJ-3EKF1002V DIGI-KEY (R) P10.0KHTR-ND KOA (R) RK73H1JTDD1002F											
1	7000387	4700PF 16V 10% 0603 X7R X7R		1.000000	U	EA	0	N	0	CAP	1		B
		C122 DIGI-KEY (R) 311-1083-2-ND YAGEO (R) CC0603KRX7R9BB472 KOA (R) X7R0603HTTD472J											
1	7000391	11.0K 1/10W 1% 0603		1.000000	U	EA	0	N	0	RES	1		B
		R190 DIGI-KEY (R) 311-11.0KHRTR-ND VISHAY (R) CRCW060311K0FKEA YAGEO (R) RC0603FR-0711KL KOA (R) RK73H1JTDD1102F KOA (R) RK73H1JTDD1102F											
1	7000405	100PF 50V 5% 0603 NPO NPO		2.000000	U	EA	0	N	0	CAP	1		B
		C368,C544 AVX CORPOR (R) 06035A101JAT2A DIGI-KEY (R) 478-1175-2-ND KOA (R) NPO0603HTTD101J											
1	7000409	47.5K 1/10W 1% 0603		1.000000	U	EA	0	N	0	RES	1		B

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		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
		R524											
		DIGI-KEY	311-47.5KHRTR-ND										
		VISHAY (R)	CRCW060347K5FKEA										
		YAGEO (R)	RC0603FR-0747K5L										
		KOA (R)	RK73H1JTDD4752F										
		KOA (R)	RK73H1JTDD4752F										
1	7000410	12.4K 1/10W 1% 0603		2.000000	U	EA	0	N	0	RES	1		B
		R176,R495											
		DIGI-KEY (R)	311-12.4KHRTR-ND										
		VISHAY (R)	CRCW060312K4FKEA										
		YAGEO (R)	RC0603FR-0712K4L										
		KOA (R)	RK73H1JTDD1242F										
1	7000414	2200PF 50V 5% 0603 X7R X7R		1.000000	U	EA	0	N	0	CAP	1		B
		C374											
		KEMET (R)	C0603C222J5RACTU										
		KEMET (R)	C0603C222K5RAC7411										
		KOA (R)	X7R0603HTTD222J										
1	7000415	33.0 1/10W 1% 0603		193.000000	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 #
1	7000444	15.0K 1/16W 1% 0603		1.000000	U	EA	0	N	0	RES	1	B	
		R525											
		DIGI-KEY (R)	311-15.0KHRTR-ND										
		VISHAY (R)	CRCW060315K0FKEA										
		YAGEO (R)	RC0603FR-0715KL										
		KOA (R)	RK73H1JTDD1502F										
-----													
1	7000452	4.99K 1/16W 1% 0603		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,R527,R528,R531,R532,R559,R560,R562,R563,R582,R583,											
		R584,R585,R600,R601,R603,R604,R658,R659,R670,R671,R682,R683,R694,											
		R695,R706,R707,R718,R719,R730,R731,R742,R743											
		VISHAY (R)	CRCW06034K99FKEA										
		KOA (R)	RK73H1JTDD4991F										
		SEI (R)	RMCF 1/16 4.99K 1% R										
-----													
1	7000461	10UF 10V 10% 0805 X5R		47.000000	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,C369,C370,C382,C392,C401,C417,C432,C506,C510,C511,C516,C518,C520,											
		C524,C525,C537,C538											
		MURATA (R)	GRM21BR61A106KE19L										
-----													
1	7000466	2.0K 1/16W 1% 0603		11.000000	U	EA	0	N	0	RES	1	B	
		R296,R297,R298,R299,R852,R853,R854,R855,R856,R857,R859											
		PANASONIC (R)	ERJ-3EKF2001V										
-----													
1	7000553	5A MBRS540T3G SMC SCHOT_RECT		1.000000	U	EA	0	N	0	DIO	1.0	B	
		D11											
		ON SEMICON (R)	MBRS540T3G										
		DIGI-KEY (R)	MBRS540T3GOSCT-ND										
-----													
1	7000555	15KV PGB1010603 0603 ESD SUPPRESSOR		3.000000	U	EA	0	N	0	DIO	1.0	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 #
		U68,U69,U70											
		DIGI-KEY (R)	F2594TR-ND										
		LITTELFUSE (R)	PGB1010603MR										
		LITTELFUSE (R)	PGB1010603NR										
1	7000556	VARISTOR V5.5MLA 30A 0603 TRANSIENT PROTECTION		1.000000	U	EA	0	N	0	RES	1	B	
		D6											
		DIGI-KEY (R)	F2214TR-ND										
		LITTELFUSE (R)	V5.5MLA0603										
		LITTELFUSE (R)	V5.5MLA0603H										
1	7000557	PTC 0.5A 1206 OVERCURRENT PROTECTION		1.000000	U	EA	0	N	0	RES	1	B	
		U85											
		LITTELFUSE (R)	1206L050-C										
		LITTELFUSE (R)	1206L050YR										
		DIGI-KEY (R)	F2112TR-ND										
1	7000567	47.0K 1/16W 1% 0402		5.000000	U	EA	0	N	0	RES	1	B	
		R294,R295,R333,R379,R409											
		ROHM	MCR01MZPF4702										
		DIGI-KEY	RHM47.0KLCT-ND										
		DIGI-KEY	RHM47.0KLTR-ND										
1	7000571	1.0K 1/16W 1% 0402 500-00591-00		5.000000	U	EA	0	N	0	RES	1	B	
		R13,R14,R865,R866,R867											
		PANASONIC (R)	ERJ-2RKF1001X										
		DIGI-KEY (R)	P1.00KLCT-ND										
		DIGI-KEY (R)	P1.00KLTR-ND										
1	7000581	8.20K 1/10W 1% 0603		2.000000	U	EA	0	N	0	RES	1	B	
		R196,R543											
		DIGI-KEY	541-8.20KHCT-ND										
		VISHAY (R)	CRCW06038K20FKEA										

**\* 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	7000590	100K 1/16W 5% 0402		50.000000	U	EA	0	N	0	RES	1	B	
		R238,R288,R289,R302,R303,R320,R321,R327,R328,R342,R343,R352,R353, R373,R374,R386,R387,R522,R523,R534,R535,R554,R555,R567,R568,R580, R581,R586,R587,R591,R598,R599,R606,R607,R648,R649,R660,R661,R672, R673,R684,R685,R696,R697,R708,R709,R720,R721,R732,R733											
		DIGI-KEY (R)	541-100KJCT-ND										
		DIGI-KEY (R)	541-100KJTR-ND										
		VISHAY (R)	CRCW0402100KJNED										
-----													
1	7000607	2.2UF 25V 10% 0805 X7R X7R		2.000000	U	EA	0	N	0	CAP	1	B	
		C383,C398											
		DIGI-KEY (R)	445-6860-2-ND										
		DIGI-KEY (R)	490-3331-1-ND										
		DIGI-KEY (R)	490-3331-2-ND										
		TDK (R)	C2012X7R1E225K										
		MURATA (R)	GRM21BR71E225KA73L										
-----													
1	7000650	40K 1/16W 0.1% 0402		1.000000	U	EA	0	N	0	RES	1	B	
		R530											
		STACKPOLE (R)	RNC 10 T9 40K 0.1% R										
		DIGI-KEY	RNC10T940K0.1%R-ND										
-----													
1	7000659	18PF 50V 5% 0402 NP0		6.000000	U	EA	0	N	0	CAP	1	B	
		C56,C57,C435,C436,C437,C438											
		AVX CORPOR (R)	04025A180JAT2A										
		DIGI-KEY (R)	478-1073-1-ND										
		DIGI-KEY (R)	478-1073-2-ND										
		DIGI-KEY (R)	490-1281-1-ND										
		DIGI-KEY (R)	490-1281-2-ND										
		DIGI-KEY (R)	587-1950-2-ND										
		Murata	GRM1555C1H180JA01D										
		MURATA (R)	GRM1555C1H180JZ01D										
		TAIYO YUDE (R)	UMK105CG180JV-F										
-----													
1	7000660	33 1/16W 5% RNS003 SERIES		4.000000	U	EA	0	N	0	RNS	1.0	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 #
		RA7,RA8,RA11,RA12											
		PANASONIC (R)	EXB-2HV330JV										
		DIGI-KEY (R)	Y1330TR-ND										
1	7000661	33 1/32W 5% RNS005 SERIES		9.000000	U	EA	0	N	0	RNS	1.0	B	
		RA9,RA10,RA21,RA22,RA23,RA24,RA25,RA26,RA27											
		PANASONIC (R)	EXB-28V330JX										
		DIGI-KEY (R)	Y7330CT-ND										
		DIGI-KEY (R)	Y7330TR-ND										
1	7000663	0.01UF 25V 10% 0402 X7R		16.000000	U	EA	0	N	0	CAP	1	B	
		C164,C206,C216,C220,C287,C310,C314,C315,C318,C319,C324,C371,C410,C430,C443,C444											
		DIGI-KEY (R)	399-1278-1-ND										
		KEMET (R)	C0402C103K3RACTU										
1	7000664	30.0K 1/10W 1% 0603		2.000000	U	EA	0	N	0	RES	1	B	
		R508,R526											
		DIGI-KEY	311-30.0KHRTR-ND										
		YAGEO (R)	RC0603FR-0730KL										
1	7000668	2.67K 1/16W 1% 0402		48.000000	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,R216,R218,R228,R230,R245,R247,R252,R254,R269,R271,R273,R275,R283,R285,R651,R653,R663,R665,R675,R677,R687,R689,R699,R701,R711,R713,R723,R725,R735,R737											
		PANASONIC (R)	ERJ-2RKF2671X										
		DIGI-KEY	P2.67KLTR-ND										
1	7000677	27K 1/16W 5% 0402		1.000000	U	EA	0	N	0	RES	1	B	
		R23											
		PANASONIC (R)	ERJ-2GEJ273X										
		DIGI-KEY	P27KJCT-ND										
		DIGI-KEY	P27KJTR-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	7000679	100.0 1/16W 1% 0402		54.000000	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,R656,R657,R668,R669,R680,R681,R692,R693,R704,R705,R716, R717,R728,R729,R740,R741,R802,R860,R861,R862,R863,R864 DIGI-KEY (R) 541-100LCT-ND DIGI-KEY (R) 541-100LTR-ND VISHAY (R) CRCW0402100RFKED ROHM MCR01MZPF1000 DIGI-KEY RHM100LCT-ND											
1	7000683	1000PF 50V 5% 0402 NPO		2.000000	U	EA	0	N	0	CAP	1	B	
		NPO C153,C166 DIGI-KEY (R) 490-3244-1-ND DIGI-KEY (R) 490-3244-2-ND MURATA (R) GRM1555C1H102JA01D											
1	7000686	2.43K 1/16W 1% 0402		48.000000	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,R650,R652,R662,R664,R674,R676,R686,R688,R698,R700,R710,R712,R722, R724,R734,R736 DIGI-KEY 541-2.43KLCT-ND DIGI-KEY 541-2.43KLTR-ND VISHAY (R) CRCW04022K43FKED PANASONIC (R) ERJ-2RK2431X DIGI-KEY P2.43KLCT-ND DIGI-KEY P2.43KLTR-NDDIGI-KEY											
1	7000687	750.0 1/16W 1% 0402		48.000000	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 #
		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,R654,R655,R666,R667,R678,R679,R690, R691,R702,R703,R714,R715,R726,R727,R738,R739											
		DIGI-KEY	541-750LCT-ND										
		VISHAY (R)	CRCW0402750RFKED										
		PANASONIC (R)	ERJ-2RKF7500X										
		DIGI-KEY	P750LCT-ND										
	7000689	680PF 50V 5% 0402 COG		96.000000	U	EA	0	N	0		1		B
1		COG								CAP			
		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,C450,C451,C452,C453,C455,C456,C460,C461,C464,C465, C466,C467,C469,C470,C474,C475,C478,C479,C480,C481,C483,C484,C488,C489, C492,C493,C494,C495,C497,C498,C502,C503											
		DIGI-KEY	490-3240-1-ND										
		DIGI-KEY	490-3240-2-ND										
		MURATA (R)	GRM1555C1H681JA01D										
	7000705	22UF 6.3V 20% ELEC_4MM ELEC		48.000000	U	EA	0	N	0		1		B
1		ELEC								CAP			
		C1,C2,C7,C8,C15,C16,C21,C22,C28,C29,C38,C39,C46,C47,C52,C53,C124,C125,C131, C132,C137,C138,C143,C144,C147,C148,C154,C155,C160,C161,C169,C170,C454,C458, C459,C463,C468,C472,C473,C477,C482,C486,C487,C491,C496,C500,C501,C505											
		PANASONIC (R)	EEE-FC0J220R										
		DIGI-KEY	PCE3984TR-ND										
		DIGI-KEY	PCE4329CT-ND										
	7000710	22UF 6.3V 20% ELEC_5MM BIPOLAR		24.000000	U	EA	0	N	0		1		B
1		BIPOLAR								CAP			
		C5,C6,C19,C20,C35,C36,C50,C51,C129,C130,C141,C142,C151,C152,C167,C168, C457,C462,C471,C476,C485,C490,C499,C504											
		DIGI-KEY	493-9808-6-ND										
		MOUSER	647-UWPOJ220MCL										
		NICHICON	UWPOJ220MCL1GB										
	7000718	30A GSOT05 SOT23-3		1.000000	U	EA	0	N	0		1.0		B
1		ESD SUPPRESSOR-5V								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 #
		U75											
		DIGI-KEY (R)	751-1416-1-ND										
		DIGI-KEY (R)	751-1416-2-ND										
		VISHAY (R)	GSOT05-E3-08										
		DIGI-KEY (R)	GSOT05-E3-08TR-ND										
	7000724												
1		220.0 1/10W 1% 0603		10.000000	U	EA	0	N	0	RES	1	B	
		R15,R16,R542,R547,R594,R597,R605,R611,R874,R875											
		PANASONIC (R)	ERJ-3EKF2200V										
		DIGI-KEY (R)	P220HTR-ND										
	7000755												
1		5A RCLAMP0524 DIO_RCLAMP0524		14.000000	U	EA	0	N	0	DIO	1.0	B	
		TVS ARRAY_4											
		U4,U5,U7,U8,U10,U11,U13,U14,U22,U23,U32,U34,U42,U45											
		SEMTECH	RCLAMP0524P.TCT										
		DIGI KEY	RCLAMP0524PTR-ND										
	7000756												
1		6A RCLAMP0504 DIO_RCLAMP0504		7.000000	U	EA	0	N	0	DIO	1.0	B	
		TVS ARRAY_4											
		U6,U9,U12,U15,U21,U29,U37											
		SEMTECH	RCLAMP0504P.TCT										
		DIGI KEY	RCLAMP0504PTR-ND										
	7000757												
1		30MA DB3X314 DIO_DB3X314		1.000000	U	EA	0	N	0	DIO	1.0	B	
		SCHOTTKY											
		U18											
		PANASONIC	DB3X314K0L										
		DIGI KEY	DB3X314K0LTR-ND										
		PANASONIC	MA3X704A0L										
		DIGI KEY	MA3X704A0LTR-ND										
	7000876												
1		220UF 10V 20% ZZZ		1.000000	U	EA	0	N	0	CAP	1	B	
		SMD											
		C136											
		Panasonic (R)	EEE-FK1A221P										
		DIGIKEY	PCE3775TR-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	7000922	60.4K 1/10W 1% 0603		1.000000	U	EA	0	N	0	RES	1	B	
		R844											
		DIGI-KEY (R)	311-60.4KHRTR-ND										
		PANASONIC (R)	ERJ-3EKF6042V										
		YAGEO (R)	RC0603FR-0760K4L										
1	7000938	240.0 1/8W 1% 0805 ZZZ 0805		1.000000	U	EA	0	N	0	RES	1	B	
		R921											
		PANASONIC (R)	ERJ-6ENF2400V										
		DIGIKEY	P240CTR-ND										
		YAGEO (R)	RC0805FR-07240RL										
1	7000939	1UH 30% ZZZ IND0XX		1.000000	U	EA	0	N	0	IND	1.0	B	
		L1											
		COILCRAFT (R)	MSS1038-102NL										
		COILCRAFT (R)	MSS1038-102NLC										
1	7001027	47UF 10V 20% 1206 X5R ZZZ X5R		12.000000	U	EA	0	N	0	CAP	1	B	
		C119,C347,C353,C354,C359,C375,C376,C378,C379,C380,C421,C422											
		DIGIKEY	399-5508-1-ND										
		Maruta	47UF 10V 20% 1206 X5R ZZZ										
		KEMET (R)	C1206C476M8PACTU										
1	7001028	0.047UF 6.3V 20% 0603 X7R ZZZ X7R 0603		2.000000	U	EA	0	N	0	CAP	1	B	
		C387,C388											
		DIG01	311-1235-2-ND										
		Yageo (R)	CX0603MRX7R7BB473										
1	7001029	10uH 30% ZZZ 10.0X10.2MM		1.000000	U	EA	0	N	0	IND	1.0	B	
		L3											
		COILCRAFT (R)	MSS1038-103NLB										
		COILCRAFT (R)	MSS1038-103NLC										

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LLC	Part Identifier	Description	Effectivity	Quantity	QC	UM	LTO	BT	SCR	ECN #	Rev	PT	Alternate Part
		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
1	7001030	3.8uH 30% ZZZ 10.0X10.2MM L2 COILCRAFT (R) COILCRAFT (R)	MSS1038-382NLB MSS1038-382NLC	1.000000	U	EA	0	N	0	IND	1.0	B	
1	7001031	22K 1/16W 5% 0603 ZZZ 0603 R513 DIG01 YAGEO (R)	311-22KGRTR-ND RC0603JR-0722KL	1.000000	U	EA	0	N	0	RES	1	B	
1	7001034	47PF 50V 5% 0603 COG COG C121 Yageo (R)	CC0603JRNP09BN470	1.000000	U	EA	0	N	0	CAP	1	B	
1	7001035	51.1 1/16W 1% 0603 ZZZ 0603 R17,R18,R314,R315 DIG01 YAGEO (R)	311-51.1HRTR-ND RC0603FR-0751R1L	4.000000	U	EA	0	N	0	RES	1	B	
1	7001038	30MA CDBU00340SCHOT ZZZ 0603 D3,D4 DIG01 Comchip Technol	641-1006-2-ND CDBU00340	2.000000	U	EA	0	N	0	DIO	1.0	B	
1	7001073	470.0 1/16W 1% 0402 ZZZ 0402 R107,R108 PANASONIC (R) DIGI-KEY	ERJ-2RKF4700X P470LTR-ND	2.000000	U	EA	0	N	0	RES	1	B	
1	7001294	? 34836 ZZZ TSOP IR Receiver Module		1.000000	U	EA	0	N	0	DIO	1.0	B	

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LLC	Part Identifier	Description	Effectivity	Quantity	QC	UM	LTO	BT	SCR	ECN #	Rev	PT	Alternate Part
		Mfg Name	Mfg Part	Reference						Commodity			Drawing #
		U49											
		VISHAY	TSOP34836										
1	7001316	1.0UF 10V 10% 0805 ZZZ 0805		27.000000	U	EA	0	N	0		1	B	
		F1,F2,F3,F4,F5,F7,F8,F9,F10,F11,F12,F13,F14,F15,F16,F17,F18, F20,F22,F23,F24,F25,F26,F27,F28,F29,F30								CAP			
		MURATA (R)	NFM21PC105B1A3D										
		DIGIKEY	NFM21PC105B1A3D-ND										
1	7008676	34 1/10W 1% 0402		1.000000	U	EA	0	N	0		1.0	B	
		R847								RES			
		PANASONIC (R)	ERJ-2RKF34R0X										
		DIGI-KEY (R)	P34.0LTR-ND										
1	A0928-2016	MELODY-7 PCB		1.000000	U	EA	0	N	0		0.2	B	
										PCB			