

Qty	Description	Reference Designator	Manufacturer	Part Number
1	74LVC14A SOIC14	U7	DIGI-KEY (R)	296-1699-2-ND
1	IDT74FCT3244APY SSOP20	U11	IDT (R)	IDT74FCT3244APYG
1	GTL2002 TSSOP8_SOT505-1	U18	NXP (PHILI) (R)	GTL2002DP,118
2	SN74LVC1G08 SOT23-5	U44,U45	TI (R)	SN74LVC1G08DBVE
1	W25Q32 SO8W	U15	WINBOND (R)	W25Q32FVSSIG
1	30MHZ OSC012	U38	DIGIKEY	300-8257-1-ND
1	30MHZ OSC013	Y1	DIGI-KEY	535-9145-1-ND
1	STD2805T4 TO228P972X240-3N	Q1	DIGI-KEY	497-7465-1-ND
1	FT232RQ QFN32	U14	DIGI-KEY (R)	768-1008-1-ND
1	LTC6993-1 SOT95P280-6N	U17	LINEAR TEC (R)	LTC6993CS6-1#TRMPBF
1	AD5791BRUZ SOP65P640X120-20AN	U6	ADI (R)	AD5791BRUZ
1	AD8676BRMZ SOP65P490X110-8N	U10	ADI (R)	AD8676BRMZ
1	ADM8828ARTZ SOT23-6	U12	ADI (R)	ADM8828ARTZ
1	ADM708R SOIC127P600X175-8N	U42	ANALOG DEVICES	ADM708RARZ
1	16MHZ UNKNOWN	U39	DIGI-KEY	300-8248-2-ND
1	16MHZ UNKNOWN	Y2	DIGI-KEY	535-9134-2-ND
1	24AA04H SOIC127P600X175-8N	U3	MICROCHIP TECH	24AA04H-I/SN
1	ADM7172ACPZ-3.3 DFN50P300X300X80-9N	VR1	ANALOG DEVICES	ADM7172ACPZ-3.3
1	ADP1715 MSOP8	VR2	ADI (R)	ADP1715ARMZ-R7
10	ADA4899 SOIC8	U25,U26,U27,U28,U29,U30,U31,U32,U33,U34	ADI (R)	ADA4899-1YRDZ-R7

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1	ADM3252E BGA44C100P11X11_1200X1200X103	U5	ADI (R)	ADM3252EABCZ
2	ADM3053 SOIC127P1032X265-20N	U40,U41	ADI (R)	ADM3053BRWZ
3	ADR441BRZ SOIC127P600-8N	U35,U36,U37	ADI (R)	ADR441BRZ
1	ADR443BRZ SOIC127P600X175-8N	U4	ADI (R)	ADR443BRZ
1	ADSP-CM419F CSP_BGA210	U1	ADI (R)	ADSP-CM419F-BCZENG
1	ADR4550BRZ SOIC127P600X175-8N	U2	ANALOG DEVICES	ADR4550BRZ
2	AD8675 SOP65P490X110-8N	U8,U9	ANALOG DEVICES	AD8675ARMZ
1	AD7401 SOIC127P1030X265-16N	U48	ANALOG DEVICES	AD7401YRWZ
1	ADUM6000 SOIC127P1030X265-16N	U49	ANALOG DEVICES	ADUM6000ARWZ
1	ADM3251E SOIC127P1030X265-20N	U43	ANALOG DEVICES	ADM3251EARWZ
2	DIP6 SWT017	SW7,SW8	CTS (R)	218-6LPST
1	IDC 4X2 IDC4X2_M_SMT	JP6	SAMTEC (R)	TSM-104-01-T-DV
2	RJ11 4PIN CON039	J6,J7	TYCO ELECT (R)	5558872-1
1	DIP2 SWT020	SW9	DIGI-KEY (R)	CKN9064-ND
37	IDC 2X1 IDC2X1	JP1,JP3,JP8,JP9,JP10,JP11,JP12,JP13,JP14,JP15,JP16,JP17,JP18,JP19,JP20,JP21,JP22,JP23,JP24,JP25,JP26,JP27,JP28,JP29,JP30,JP31,JP32,JP33,JP34,JP35,JP36,JP37,P15,P16,P17,P20,P21	SAMTEC (R)	HTSW-102-07-T-S
2	IDC 3X1 IDC3X1	JP2,JP44	SAMTEC (R)	HTSW-103-07-T-S
1	3A RESETABLE FUS004	F1	TYCO ELECT (R)	SMD300F-2
1	IDC 2PIN_JUMPER_SHORT	SJ?	DIGI-KEY (R)	S9001-ND

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7	IDC 2X2 IDC2X2	JP4,JP5,JP7,JP40,JP41,JP42,JP43	FCI (R)	68737-404HLF
1	PWR .65MM CON045	P19	DIGI-KEY (R)	CP1-023-ND
1	IDC 6X2 IDC6X2	P5	FCI	68737-412HLF
1	IDC 5X2 IDC5x2_SMT_F	J21	SAMTEC (R)	SSW-105-22-F-D-VS
2	IDC 3X1 IDC3X1_SMT	JP38,JP39	SAMTEC (R)	TSM-103-01-T-SV
1	USB 5PIN CON069	P3	DIGI-KEY (R)	H11589CT-ND
6	TEST LOOP LOOP_2838	GP1,GP2,GP3,GP4,GP5,GP6	KEYSTONE (R)	5016
1	IDC 5X2 TSM-105-01-T-DV	P4	SAMTEC (R)	TSM-105-01-T-DV
1	0.05 10X2 SAMTEC_SHF-110-01-L-D-TH	P1	SAMTEC (R)	SHF-110-01-L-D-TH
1	0.5MM 180PIN SAMTEC_QSH-090-F-D-A	J4	SAMTEC (R)	QSH-090-01-F-D-A
1	0.5MM 120PIN SAMTEC_QSH-060-F-D-A	J3	SAMTEC (R)	QSH-060-01-F-D-A
1	IDC 10X2 TE_5103308-5	P2	MOUSER (R)	571-5103308-5
12	SMC THREADED AMPHENOL_152119	J1,J2,J5,J10,J11,J12,J13,J14,J15,J16,J17,J18	AMPHENOL C (R)	152119
2	3.81MM 3POS PHOENIX_1803280	P11,P12	PHOENIX	1803280
3	3.81MM 2POS PHOENIX_1803277	P6,P7,P8	PHOENIX	1803277
2	DB9 9PIN NORCOMP_190-009-263R001	J8,J9	NORCOMP (R)	190-009-263R001
6	MOMENTARY SW_ADTSMW64	SW1,SW2,SW3,SW4,SW5,SW6	DIGI-KEY	679-2310-2-ND
2	IDC 10X1 SAMTEC_SSW-110-01-T-S	J19,J20	SAMTEC	SSW-110-01-T-S
6	600 200MA 0603	FER7,FER8,FER11,FER12,FER13,FER14	DIGI-KEY (R)	490-1014-2-ND

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2	600 200MA 0603	FER15,FER16	DIGI-KEY (R)	490-1014-2-ND
4	600 500MA 1206	FER1,FER2,FER4,FER5	LAIRD TECH	HZ1206B601R-10
1	1UF 16V 10% 0805 X7R	C195	DIGI-KEY (R)	399-1284-2-ND
1	190 5A FER002	FER3	MURATA (R)	DLW5BSN191SQ2
2	4.7UF 6.3V 10% 0805 X5R	C276,C277	AVX CORPOR (R)	08056D475KAT2A
11	0.1UF 10V 10% 0402 X5R	C81,C82,C99,C105,C106,C123,C124,C125,C133,C138,C139	AVX CORPOR (R)	0402ZD104KAT2A
86	0.1UF 10V 10% 0402 X5R	C1,C8,C9,C10,C11,C13,C14,C15,C19,C21,C23,C27,C28,C29,C31,C33,C37,C38,C39,C47,C49,C50,C52,C53,C54,C55,C56,C58,C59,C60,C61,C62,C64,C65,C66,C67,C77,C78,C83,C84,C100,C101,C102,C107,C108,C134,C135,C140,C141,C144,C145,C146,C152,C158,C160,C162,C164,C166,C168,C17	AVX CORPOR (R)	0402ZD104KAT2A
24	0.01UF 16V 10% 0402 X7R	C4,C7,C16,C18,C20,C22,C24,C26,C190,C249,C250,C251,C252,C253,C255,C256,C257,C258,C259,C260,C292,C293,C308,C309	AVX CORPOR (R)	0402YC103KAT2A
12	10K 1/16W 5% 0402	R12,R13,R14,R228,R351,R353,R355,R422,R425,R427,R437,R440	VISHAY (R)	CRCW040210K0FKED
45	10K 1/16W 5% 0402	R1,R6,R10,R11,R15,R16,R25,R28,R33,R34,R35,R36,R37,R75,R82,R85,R91,R123,R130,R178,R181,R192,R225,R299,R302,R306,R307,R311,R315,R316,R319,R320,R321,R323,R324,R410,R411,R412,R413,R414,R415,R416,R417,R418,R426	VISHAY (R)	CRCW040210K0FKED
101	0 1/10W 5% 0402	R2,R3,R4,R17,R18,R46,R48,R55,R64,R66,R71,R72,R78,R81,R84,R86,R87,R88,R89,R90,R92,R93,R94,R95,R96,R98,R99,R101,R102,R104,R105,R107,R108,R110,R111,R113,R114,R116,R126,R127,R133,R136,R138,R139,R141,R142,R144,R145,R147,R148,R150,R151,R153,R154,R156,R157,R159,	PANASONIC (R)	ERJ-2GEOR00X

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100	0 1/10W 5% 0402	R7,R8,R21,R22,R24,R26,R27,R31,R40,R41,R42,R43,R45,R47,R50,R51,R54,R56,R57,R59,R60,R61,R63,R65,R68,R69,R74,R97,R115,R118,R119,R120,R121,R122,R124,R129,R172,R173,R174,R175,R176,R177,R179,R180,R182,R183,R184,R185,R186,R191,R199,R220,R221,R222,R223,R226,R227,	PANASONIC (R)	ERJ-2GE0R00X
2	22 1/10W 5% 0402	R285,R286	DIGI-KEY (R)	P22JTR-ND
1	22 1/10W 5% 0402	R288	DIGI-KEY (R)	P22JTR-ND
13	33 1/16W 5% 0402	R5,R73,R80,R128,R135,R190,R197,R230,R298,R301,R304,R305,R310	VISHAY (R)	CRCW040233R0JNED
1	33 1/16W 5% 0402	R9	VISHAY (R)	CRCW040233R0JNED
1	2.2UF 10V 10% 0805 X5R	C310	AVX CORPOR (R)	0805ZD225KAT2A
1	4.7UF 6.3V 20% 0603 X5R	C192	AVX CORPOR (R)	06036D475MAT2A
1	1M 1/10W 5% 0603	R405	VISHAY (R)	CRCW06031M00JNEA
1	750.0K 1/10W 1% 0603	R438	DIGI-KEY (R)	311-750KHRTR-ND
5	1UF 6.3V 20% 0402 X5R	C245,C246,C247,C248,C254	MURATA	490-1319-2-ND
7	100 1/16W 5% 0402	R281,R287,R300,R303,R308,R309,R317	DIGI-KEY (R)	311-100JRTR-ND
14	10UF 10V 10% 0805 X5R	C12,C30,C32,C40,C44,C48,C51,C57,C63,C210,C214,C221,C224,C306	MURATA (R)	GRM21BR61A106KE19L
2	0.051 1/2W 1% 1206	R391,R392	SEI (R)	CSF 1/2 0.05 1%R
1	10UF 16V 10% 1210 X5R	C273	AVX CORPOR (R)	1210YD106KAT2A
2	1000PF 50V 5% 1206	C270,C271	AVX CORPOR (R)	12065A102JAT2A
2	1UF 20V 10% A TANT	CT5,CT6	AVX CORPOR (R)	TAJA105K020R
1	1.1K 1/16W 1% 0402	R276	PANASONIC (R)	ERJ-2RKF1101X
2	5A MBRS540T3G SMC	D4,D5	ON SEMICON (R)	MBRS540T3G
5	330.0 1/16W 1% 0402	R312,R313,R314,R318,R434	DIGI-KEY (R)	541-330LCT-ND
5	1.0K 1/16W 1% 0402	R271,R272,R273,R274,R275	PANASONIC (R)	ERJ-2RKF1001X

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32	10.0K 1/16W 1% 0402	R38,R39,R49,R58,R67,R70,R77,R103,R125,R132,R146,R149,R152,R155,R158,R161,R164,R167,R170,R187,R194,R233,R239,R240,R241,R245,R246,R247,R248,R249,R250,R251	DIGI-KEY (R)	541-10.0KLCT-ND
2	680 1/16W 1% 0402	R106,R109	BC COMPONE (R)	2312 275 16801
1	15PF 50V 5% 0402 NPO	C199	DIGI-KEY (R)	399-1014-2-ND
2	22UF 16V 10% 1210 X5R	C274,C275	TAIYO YUDE (R)	EMK325BJ226KM-T
4	18PF 50V 5% 0402 NPO	C2,C3,C5,C6	Murata	GRM1555C1H180JA01D
2	1.0M 1/16W 1% 0402	R278,R279	VISHAY (R)	CRCW04021M00FKED
1	200.0K 1/16W 1% 0402	R112	ROHM	MCR01MZPF2003
1	100PF 50V 5% 0402 COG	C291	MURATA	GCM1555C1H101JA16D
1	30A GSOT05 SOT23-3	D2	VISHAY (R)	GSOT05-E3-08
1	30A GSOT03 SOT23-3	D3	VISHAY (R)	GSOT03-GS08
1	GREEN LED_0603	LED1	DIGIKEY	67-1549-2-ND
1	24.9K 1/16W 1% 0402	R137	DIGI KEY	541-24.9KLTR-ND
4	60.4 1/10W 1% 0603	R23,R29,R30,R32	PANASONIC (R)	ERJ-3EKF60R4V
7	499.0 1/10W 1% 0402	R76,R79,R131,R134,R193,R196,R403	PANASONIC (R)	ERJ-2RKF4990X
2	2.0K 1/10W 1% 0402	R19,R20	PANASONIC (R)	ERJ-2RKF2001X
6	0.1UF 16V 10% 0402 X7R	C34,C35,C36,C41,C45,C46	DIGI-KEY (R)	587-1451-2-ND
1	15KV ESD7004 DFN50P250X100-10N	D7	ON SEMICON (R)	ESD7004MUTAG
10	10UF 6.3V 20% 0603 X5R	C178,C180,C182,C184,C186,C188,C194,C280,C282,C284	TAIYO YUDEN	JMK107BJ106MA-T
4	24 1/10W 5% 0402	R44,R52,R53,R62	DIG01	P24JTR-ND
1	30.0K 1/10W 1% 0402	R224	PANASONIC (R)	ERJ-2RKF3002X
2	10PF 50V 5% 0402 NPO	C200,C202	DIGI-KEY (R)	399-1011-2-ND

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2	RED LED_0603	LED4,LED5	DIGI-KEY (R)	475-2512-2-ND
2	YELLOW LED_0603	LED2,LED3	DIGI-KEY	475-2793-1-ND
30	10UF 6.3V 20% 0603 X5R	C68,C69,C70,C71,C72,C73,C74,C75,C76,C79,C80,C85,C86,C103,C104,C109,C110,C136,C137,C142,C143,C151,C161,C167,C228,C231,C297,C298,C299,C311	DIGI-KEY (R)	490-3896-2-ND
33	4700PF 50V 10% 0402 X7R	C17,C25,C87,C88,C89,C90,C91,C92,C93,C94,C95,C96,C97,C98,C111,C112,C113,C114,C115,C116,C117,C118,C119,C120,C121,C122,C126,C127,C128,C129,C130,C131,C132	DIGI-KEY (R)	399-3072-2-ND
2	49.9K 1/16W 1% 0402	R117,R293	DIGI-KEY (R)	541-49.9KLTR-ND
11	0.1UF 35V 10% 0402 X7R	C196,C198,C201,C203,C204,C205,C206,C207,C208,C278,C279	DIGI-KEY (R)	445-6901-2-ND
3	4.70 1/10W 1% 0603	R277,R280,R282	PANASONIC (R)	ERJ-3RQF4R7V
13	10UF 35V 20% 0805 X5R	C147,C148,C149,C150,C157,C159,C163,C165,C197,C300,C301,C303,C305	DIGIKEY	445-14420-2-ND
1	0.001UF 50V 10% 0402 X7R	C272	DIGI-KEY	490-1303-2-ND
1	0.15uF 16V 10% 0402	C222	DIGI-KEY	445-5934-2-ND
1	47pF 50V 5% 0402	C212	DIGI-KEY	445-5592-2-ND
4	0 1/4W 0% 1206	R100,R140,R143,R356	PANASONIC (R)	ERJ-8GEY0R00V
5	40.2 1/16W 1% 0402	R266,R297,R419,R420,R421	PANASONIC (R)	ERJ-2RKF40R2X
1	56.2 1/10W 1% 0603	R295	PANASONIC (R)	ERJ-3EKF56R2V
1	15KV ESDA5V3SC6 SOT95P280X145-6N	D6	DIGI-KEY (R)	497-6633-1-ND
4	0.47UF 16V 10% 0402 JB	C236,C242,C243,C244	DIGI-KEY (R)	445-10942-2-ND
4	47UF 10V 20% SMD POLYMER	CT1,CT2,CT3,CT4	DIGI-KEY	565-3197-2-ND
1	3A 15V SMC	D1	DIGI-KEY	30BQ015PBF-ND
1	33UF 25V 20% D TANTALUM	C226	DIGI-KEY	478-4112-2-ND

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12	0.1UF 16V 10% 0402 X5R	C43,C177,C179,C181,C183,C185,C187,C189,C191,C193,C281,C283	DIGI-KEY	587-1226-2-ND
1	8 4A 0805	FER6	DIGI-KEY	587-1764-2-ND