

Qty	Description	Reference Designator	Manufacturer	Part Number
1	74LVC14A SOIC14	U30	DIGI-KEY (R)	296-1699-2-ND
1	IDT74FCT3244APY SSOP20	U2	IDT (R)	IDT74FCT3244APYG
2	SN74LVC1G08 SOT23-5	U42,U44	TI (R)	SN74LVC1G08DBVE
2	TJA1041 SOIC14	U46,U47	NXP (PHILI (R)	TJA1041T/CM,118
1	MIC2025-1 SOIC8	U40	DIGI-KEY (R)	576-1057-ND
22	74CBTLV1G125 SC70_5	U3,U4,U5,U6,U7,U8,U9,U10,U11,U12,U13,U21,U22,U23,U24,U25,U26,U27,U28,U29,U50,U51	TI (R)	SN74CBTLV1G125DCKR
2	MCP23017 QFN28	U38,U39	DIGI-KEY (R)	MCP23017-E/ML-ND
1	25MHZ OSCCC200X250	U36	DIGI-KEY (R)	478-4780-1-ND
1	32.768KHZ OSC_ABS07L	Y3	DIGI-KEY (R)	535-9542-2-ND
1	FT232RQ QFN32	U45	DIGI-KEY (R)	768-1008-1-ND
1	INA3221 QFN16	U48	DIGI-KEY (R)	296-30459-1-ND
1	INA230 QFN50P300X300-17N	U31	DIGI-KEY (R)	296-30346-2-ND
1	LTC6993-1 SOT95P280-6N	U49	LINEAR TEC (R)	LTC6993CS6-1#TRMPBF
1	24MHZ OSCCC200X250	U35	DIGI-KEY (R)	478-4778-1-ND
1	MT47H128M16 FBGA84	U32	MICRON (R)	MT47H128M16RT-25E XIT:C
1	BF707 W25Q32 U33	U33	WINBOND (R)	W25Q32FVSSIG
1	ADP5024 QFN50P400X400-25N	VR1	ADI (R)	ADP5024ACPZ-R2
1	ADM6315 SOT143	U37	ADI (R)	ADM6315-29D2ARTZR7
1	ADSP-BF707 BGA184C80P14X14_1200X1200_SCKT	U1	ADI (R))	ADSP-BF707BBCZ-4
1	MICTOR 38PIN CON015	P2	TYCO ELECT (R)	2-5767004-2

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2	RJ11 4PIN CON039	J4,J5	TYCO ELECT (R)	5558872-1
10	IDC 2X1 IDC2X1	P8,P9,P10,P11,P12,P14,P15,P16,P17,P18	SAMTEC (R)	HTSW-102-07-T-S
1	3A RESETABLE FUS004	F1	TYCO ELECT (R)	SMD300F-2
5	IDC 2PIN_JUMPER_SHORT	SJ1,SJ2,SJ3,SJ4,SJ5	DIGI-KEY (R)	S9001-ND
1	PWR .65MM CON045	P13	DIGI-KEY (R)	CP1-023-ND
3	MOMENTARY SWT024	SW2,SW3,SW4	PANASONIC (R)	EVQ-Q2K03W
1	BATT_HOLDER 16MM BATT_COIN16MM	J1	MEMORY PRO (R)	BH600
1	ROTARY SWT027	SW1	COPAL ELEC (R)	S-8110
1	SD_CONN 8-BIT CON067	J6	MORETHANAL (R)	MHC-W21-601-LF
3	0.6MM 120PIN HIROSE_FX8-120P-SV1(91)	P1A,P1B,P1C	HIROSE (R)	FX8-120P-SV1(91)
1	USB 5PIN CON069	P6	DIGI-KEY (R)	H11589CT-ND
1	IDC 2x2 IDC2X2_SMT	JP1	SAMTEC (R)	TSM-102-01-T-DV
1	TEST LOOP LOOP_2838	GP1	KEYSTONE (R)	5016
1	USB-MICRO 5PIN HIROSE_ZX62D-AB-5P8	P5	DIGI-KEY	H125271TR-ND
3	SMC THREADED AMPHENOL_152119	J7,J8,J9	AMPHENOL C (R)	152119
1	IDC 4x2 SAMTEC_SFMC-104-T2-S-D	J3	SAMTEC (R)	SFMC-104-T2-S-D
1	0.05 10PIN SAMTEC_SHF-105-01-L-D-TH	P3	SAMTEC (R)	SHF-105-01-L-D-TH-TR
5	600 500MA 1206	FER1,FER2,FER3,FER4,FER5	LAIRD TECH	HZ1206B601R-10
2	1UF 16V 10% 0805 X7R	C115,C116	DIGI-KEY (R)	399-1284-2-ND
1	0 1/8W 5% 0805	R22	VISHAY (R)	CRCW08050000Z0EA
1	190 5A FER002	FER6	MURATA (R)	DLW5BSN191SQ2

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1	10UF 6.3V 10% 0805 X5R	C124	AVX CORPOR (R)	08056D106KAT2A
43	0.1UF 10V 10% 0402 X5R	C1,C2,C5,C20,C21,C22,C25,C26,C28,C29,C30,C31,C32,C38,C40,C41,C42,C47,C49,C50,C54,C66,C67,C68,C74,C75,C76,C78,C79,C80,C81,C95,C96,C125,C126,C127,C128,C142,C143,C144,C146,C148,C152	AVX CORPOR (R)	0402ZD104KAT2A
56	0.01UF 16V 10% 0402 X7R	C3,C6,C7,C8,C9,C10,C11,C12,C13,C14,C15,C16,C17,C18,C19,C23,C33,C34,C35,C36,C37,C43,C44,C45,C46,C51,C52,C53,C56,C57,C58,C60,C61,C65,C69,C73,C77,C97,C98,C99,C102,C103,C104,C106,C107,C108,C109,C110,C111,C123,C129,C139,C140,C141,C147,C150	AVX CORPOR (R)	0402YC103KAT2A
80	10K 1/16W 5% 0402	R5,R6,R7,R12,R14,R16,R17,R18,R29,R31,R33,R37,R39,R41,R42,R43,R45,R46,R47,R48,R49,R50,R51,R52,R63,R64,R65,R67,R70,R71,R72,R77,R78,R79,R84,R85,R86,R87,R88,R89,R90,R91,R95,R96,R98,R99,R100,R103,R110,R122,R123,R124,R125,R126,R127,R128,R129,R134,R137,R138,R139	VISHAY (R)	CRCW040210K0FKED
18	10K 1/16W 5% 0402	R11,R28,R36,R44,R93,R94,R97,R107,R108,R109,R151,R153,R154,R156,R158,R159,R168,R178	VISHAY (R)	CRCW040210K0FKED
16	0 1/10W 5% 0402	R2,R3,R10,R13,R15,R25,R61,R111,R114,R131,R132,R140,R175,R177,R188,R189	PANASONIC (R)	ERJ-2GE0R00X
13	0 1/10W 5% 0402	R24,R102,R104,R115,R135,R136,R145,R146,R162,R176,R191,R192,R193	PANASONIC (R)	ERJ-2GE0R00X
6	33 1/16W 5% 0402	R68,R75,R121,R130,R133,R147	VISHAY (R)	CRCW040233R0JNED
1	150UF 10V 10% D TANT-LOW-ESR	CT1	DIGI-KEY (R)	478-3321-2-ND
2	1UF 16V 10% 0603 X5R	C82,C120	DIGI-KEY (R)	399-5090-2-ND
3	4.7UF 25V 20% 0805 X5R	C24,C121,C122	AVX CORPOR (R)	0805ZD475KAT2A
1	4.7UF 6.3V 20% 0603 X5R	C145	AVX CORPOR (R)	06036D475MAT2A
1	10M 1/10W 5% 0603	R195	VISHAY (R)	CRCW060310M0FNEA
2	1M 1/10W 5% 0603	R23,R194	VISHAY (R)	CRCW06031M00JNEA

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1	0.0 1/10W 1% 0603	R190	PHYCOMP (R)	232270296001L
4	10 1/10W 5% 0603	R27,R30,R35,R38	VISHAY (R)	CRCW060310R0JNEA
2	4700PF 16V 10% 0603 X7R	C64,C72	DIGI-KEY (R)	311-1083-2-ND
1	750.0K 1/10W 1% 0603	R179	DIGI-KEY (R)	311-750KHRTR-ND
4	0.1 1/10W 1% 0603	R169,R170,R171,R172	PANASONIC (R)	ERJ-3RSFR10V
4	100PF 50V 5% 0603 NPO	C62,C63,C70,C71	AVX CORPOR (R)	06035A101JAT2A
2	1UF 6.3V 20% 0402 X5R	C100,C101	MURATA	490-1319-2-ND
2	100 1/16W 5% 0402	R73,R74	DIGI-KEY (R)	311-100JRTR-ND
1	27PF 50V 5% 0402 NPO	C134	AVX CORPOR (R)	04025A270JAT2A
5	0.051 1/2W 1% 1206	R92,R105,R106,R112,R120	SEI (R)	CSF 1/2 0.05 1%R
1	10UF 16V 10% 1210 X5R	C113	AVX CORPOR (R)	1210YD106KAT2A
2	1000PF 50V 5% 1206	C112,C114	AVX CORPOR (R)	12065A102JAT2A
1	12.0K 1/16W 1% 0402	R116	DIGI-KEY (R)	311-12.0KLRCT-ND
1	5A MBRS540T3G SMC	D7	ON SEMICON (R)	MBRS540T3G
1	VARISTOR V5.5MLA 30A 0603	R1	LITTELFUSE (R)	V5.5MLA0603
1	PTC 0.5A 1206	R161	LITTELFUSE (R)	1206L050-C
1	20MA MA3X717E DIO005	D1	DIODES INC (R)	BAS70-05-7-F
6	330.0 1/16W 1% 0402	R4,R62,R80,R81,R82,R83	DIGI-KEY (R)	541-330LCT-ND
2	1.0K 1/16W 1% 0402	R19,R20	PANASONIC (R)	ERJ-2RKF1001X
2	10.0K 1/16W 1% 0402	R113,R118	DIGI-KEY (R)	541-10.0KLCT-ND
8	100K 1/16W 5% 0402	R180,R181,R182,R183,R184,R185,R186,R187	DIGI-KEY (R)	541-100KJTR-ND
2	15PF 50V 5% 0402 NPO	C132,C133	DIGI-KEY (R)	399-1014-2-ND
1	33 1/16W 5% RNS003	RN1	PANASONIC (R)	EXB-2HV330JV
1	100.0 1/16W 1% 0402	R21	DIGI-KEY (R)	541-100LCT-ND

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1	30A GSOT05 SOT23-3	D2	VISHAY (R)	GSOT05-E3-08
2	2.2K 1/10W 5% 0402	R8,R9	PANASONIC (R)	ERJ-2GEJ222X
1	GREEN LED_0603	LED2	DIGIKEY	67-1549-2-ND
2	4700PF 2A FIL_NFE61PT	FER7,FER8	DIGI-KEY (R)	490-2554-2-ND
4	60.4 1/10W 1% 0603	R26,R32,R34,R40	PANASONIC (R)	ERJ-3EKF60R4V
2	15KV ESD7004 DFN50P250X100-10N	D5,D6	ON SEMICON (R)	ESD7004MUTAG
10	10UF 6.3V 20% 0603 X5R	C4,C27,C39,C48,C55,C59,C117,C118,C119,C149	DIGI-KEY (R)	490-3896-2-ND
1	15.0K 1/16W 1% 0402 ZZZ	R119	DIGI-KEY (R)	311-15.0KLRTR-ND
2	RED LED_0603	LED1,LED6	DIGI-KEY (R)	475-2512-2-ND
3	YELLOW LED_0603	LED3,LED4,LED5	DIGI-KEY	475-2793-1-ND
1	39.0K 1/10W 1% 0402 ZZZ	R117	PANASONIC (R)	ERJ-2RKF3902X
1	56.0K 1/16W 1% 0402	R101	DIGI-KEY (R)	311-56.0KLRTR-ND
1	1UH 30% IND_LQH32P	L1	DIGI-KEY (R)	490-5334-1-ND
1	1UH 30% INDC2016	L2	DIGI-KEY (R)	490-7784-2-ND
2	15KV ESDA5V3SC6 SOT95P280X145-6N	D3,D4	DIGI-KEY (R)	497-6633-1-ND