

ITEM	QTY	REF DESIGNATOR	DESCRIPTION	MANUFACTURE	MANUFACTURE P/N	DIGIKEY P/N
1	2	C29, C72	CAP, 0402, CER, 180pF, 5%, 50V, NP0/C0G	MURATA	GRM1555C1H181JA01D	490-3231-1-ND
2	16	C8, C9 - (8 PLACES)	CAP, 0805, CER, 510pF, 5%, 50V, NP0/C0G	MURATA	GRM2165C1H511JA01D	490-11550-1-ND
3	1	C15	CAP, 0603, CER, 4700pF, 10%, 50V, X7R	SAMSUNG	CL10B472KB8NNNC	1276-1098-1-ND
4	16	C43, C47 - (8 PLACES)	CAP, 0805, CER, 5600pF, 5%, 50V, NP0/C0G	MURATA	GRM2195C1H562JA01D	490-1636-1-ND
5	16	(C1, C2) - 8X	CAP, 0805, CER, 0.012F, 2%, 50V, NP0/C0G	MURATA	GRM2195C1H123GA01D	490-11580-1-ND
6	12	C12, C23, C25, C36, C37, C46, C49, C50, C51, C56, C64, C71	CAP, 0402, CER, 0.1UF, 5%, 10V, X5R	TDK	C1005X5R1A104K050BA	445-1265-1-ND
7	48	C4, C5, C6, C7, C44, C45 (8X)	CAP, 0402, CER, 0.47UF, 10%, 35V, X5R	MURATA	GRM155R6YA474KE01D	490-10462-1-ND
8	2	C35, C67	CAP, 0402, CER, 1UF, 10%, 6.3V, X5R	TDK	C1005X5R0J105K050BB	445-4998-1-ND
9	15	C10, C11, C14, C16, C17, C18, C19, C20, C21, C22, C24, C33, C52, C57, C61	CAP, 0402, CER, 4.7uF, 20%, 6.3V, X5R	TDK	C1005X5R0J475M050BC	445-7395-1-ND
10	3	C53, C59, C60	CAP, ALUM, 6X6.3mm, 5.6uF, 20%, 50V, SMD	NICHICON	PCX1H5R6MCL1GS	493-4701-1-ND
11	15	C13, C32, C34, C39 (8X), C66, C68, C69, C70	CAP, 0402, CER, 10uF, 20%, 6.3V, X5R	SAMSUNG	CL05A106MQ5NUNC	1276-1451-1-ND
12	41	R5(8X), R6(8X), R7 (8X), R8 (8X), R21, R66 (8X)	RES, 0805, 0 OHM, 1/8W, THICK FILM			
13	1	C26	RES, 0603, 0 OHM, 1/8W, THICK FILM			
14	22	R22, R24, R79(8X), R80 (8X), R89, C27, C42, C48	RES, 0402, 0 OHM, 1/16W, THICK FILM			
15	17	R26, R27, R40, R41, R42, R43, R44, R45, R46, R47, R48, R51, R54, R56, R67, R73, R76	RES, 0402, 20 OHM, 1/16W, THIN FILM	SAMSUNG	RC1005F200CS	1276-3896-1-ND
16	8	R92 (8X)	RES, 0805, 47 OHM, 0.5%, 1/10W, THIN FILM	SUSUMU	RR1220Q-470-D	RR12Q47DCT-ND
17	2	R12, R13	RES, 0402, 75 OHM, 1%, 1/16W, THIN FILM	SUSUMU	RG1005P-750-B-T5	RG10P75BCT-ND
18	32	(R3, R4, R61, R64) 8X	RES, 0805, 140 OHM, 0.1%, 1/8W, THIN FILM	SUSUMU	RP2012P-1400-B-T5	RG20P140BCT-ND
19	14	R17, R18, R19, R49, R57, R58, R60, R65, R68, R69, R78, R87, R90, R91	RES, 0402, 2K OHM, 0.5%, 1/16W, THIN FILM	SUSUMU	RR0510P-202-D	RR05P2.0KDCT-ND
20	16	(R62, R63) 8X	RES, 0805, 422 OHM, 0.1%, 1/10W, THIN FILM	SUSUMU	RG2012P-4220-B-T5	RR08P422DCT-ND
21	16	(R9, R10) 8X	RES, 0805, 562 OHM, 0.5%, 1/10W, THIN FILM	SUSUMU	RR1220P-5620-D-M	RR1220P-5620-D-M-ND
22	2	R1, R38	RES, 0603, 6.34K OHM, 0.5%, 1/10W, THIN FILM	YAGEO	RT0603DRD076K34L	311-6.34KDCT-ND
23	11	R2 (8X), R11, R37, R39	RES, 0603, 10K OHM, 5%, 1/10W, THICK FILM	PANASONIC	ERJ-3GEYJ103V	P10KGTR-ND
24	18	R28, R29, R30, R31, R32, R33, R34, R35, R36, R50, R52, R53, R55, R59, R75, R86, R96, R97	RES, 0402, 47K OHM, 5%, 1/10W, THICK FILM	PANASONIC	ERJ-2GEJ473X	P47KJCT-ND
25	2	R14, R15	RES, 0402, 100K OHM, 5%, 1/10W, THICK FILM	PANASONIC	ERJ-2GEJ104X	P100KJCT-ND
26	2	R82, R83	RES, 0603, 100K OHM, 0.1%, 1/10W, THIN FILM	SUSUMU	RG1608P-104-B-T5	RG16P100KBCT-ND
27	1	R16	RES, 0603, 360K OHM, 5%, 1/10W, THICK FILM	PANASONIC	ERJ-3GEYJ364V	P360KGTR-ND
28	1	D1	DIODE, GEN PUR, 1N4148, 75V, 150mA SOD523	MICRO COMM	1N4148X-TP	1N4148XTPMSCT-ND
29	3	D2, D3, D4	DIODE, GEN PUR, 200V, 5A, SMC	DIODES INC	S5DC-13-F	S5DC-FDICT-ND
30	6	D5, D6, D7, D8, D9, D10	LED, GREEN DIFF, 0402, SMD	KINGBRIGHT	APHHS1005CGCK	754-1101-1-ND
31	1	D11	LED, YELLOW DIFF, 0402, SMD	KINGBRIGHT	APHHS1005SYCK	754-1105-1-ND

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32	1	D12	LED, RED DIFF, 0402, SMD	KINGBRIGHT	APHHS1005SURCK	754-1104-1-ND
33	2	Q1, Q2	TRANS, MOSFET N-CH, 50V, 220mA, SOT-23	FAIRCHILD	BSS138	BSS138CT-ND
34	9	(J2_x, J30_X) -7X, (J48,J49),	HEADER, 2X2, 0.1" CENTERS			
35	1	(J7_2/J30_7/J50/J51)	HEADER, 4X2, 0.1" CENTERS	FCI	68000-103HLF	
36	1		HEADER, 6X2, 0.1" CENTERS			
37	1		HEADER, 7X2, 0.1" CENTERS			
38	1		HEADER, 18X2, 0.1" CENTERS			
39	1	J4	CONN, RCA, SINGLE, R/A, ORANGE	CUI INC	RCJ-047	CP-1469-ND
40	8	J35 (8X)	CONN, RCA, SINGLE, R/A, BLUE	CUI INC	RCJ-045	CP-1422-ND
41	8	J5 (8X)	CONN, XLR, MALE, PCB, RA	NEUTRIK	NC3MAH	568-NC3MAH
42	1	J7	CONN, USB B-TYPE, RA, TH, SINGLE	ON SHORE TECH	USB-B1HSB6	ED2983-ND
43	1	U10	REG, LD1117, FIXED 5V, 0.8A, SOT-223	ST MICRO	LD1117S50CTR	497-1243-1-ND
44	2	U4, U9	REG, LD1117, FIXED 3.3V, 1A, SOT-223	ST MICRO	LD1117AS33TR	497-1228-1-ND
45	1	U12	REG, ADP151, FIXED 3.3V, 200mA, SOT23-5	ANALOG DEV	ADP151AUJZ-3.3-R7	ADP151AUJZ-3.3-R7CT-
46	1	U8	REG, LD1117, FIXED 1.2V, 1A, SOT-223	ST MICRO	LD1117AS12TR	497-6445-1-ND
47	1	U1	IC, ES9038PRO LQFP64	ESS	ES9038PRO	
48	24	(U2, U7, U14) 8X	IC, OPAMP, OPA1611, 27V/Us, 80MHz, SO-8	TI	OPA1611AID	296-24958-5-ND
49	1	U3	IC, ES9311Q, REGULATOR, QFN30	ESS	ES9311Q	
50	1	U5	IC, uC, CY7C68013A, USB, QFN-56	CYPRESS SEMI	CY7C68013A-56LTXC	428-2933-ND
51	1	U6	IC, EEPROM, 24LC64, 64K, 400KHZ, I2C, SO-8	MICROCHIP	24LC64-I/SN	24LC64-I/SN-ND
52	1	U11	IC, LOGIC, 74HC1GU04, TSSOP-5	NXP	74HC1GU04GW,125	568-7735-1-ND
53	1	U15	IC, DGTL ISOLATOR, 5KV, 4CH, I2C, 16SOIC WIDE	SILICON LABS	SI8605AD-B-IS	336-2053-5-ND
54	1	X2	OSC, XO, 100MHZ, HCMOS, 3.3V, 7x5.00mm, SMD	CTS-FREQ	CB3LV-5I-100M0000	CTX1284CT-ND
				TXC	8WA0000002	
55	1	X1	OSC, XO, 24MHZ, HCMOS, 3.3V, 7x5.08mm, SMD	SiTIME	SIT8008AI-83-24.000	1473-1181-1-ND
56	2	S1, S2	SWITCH TACTILE, SPST, 24V, SMD	TE CONN	FSM2JSMAATR	450-1792-1-ND
57	3	J9, J11, J31	CONN, BINDING POST, 6-32, RED	CINCH	111-0702-001	J10125-ND
58	1	J23	CONN, BINDING POST, 6-32, BLACK	CINCH	111-0703-001	J10126-ND