Part	Qty	DEFINITION	MANUFACTURER	MFG_NUMBER	DISTRIBUTOR	DIST_NUMBER	GENERIC	ROHS	COST100	COST EXT
C1	1	CAP TANT 4.7UF 16V 10% 1206	AVX	TAJA475K016RNJ	DIGIKEY	478-3868-1-ND	Υ	Υ	0.260	0.260
C2, C3, C7, C8, C9, C11, C14, C15, C16, C17, C18, C19, C20, C21, C23, C24, C33, C36, C38	19	CAP CER 0.1UF 16V 10% X7R 0603	YAGEO	CC0603KRX7R7BB104	DIGIKEY	311-1088-1-ND	Υ	Υ	0.013	0.247
C4, C5, C22	3	CAP CER 1UF 16V 10% X5R 0603	TDK	C1608X5R1C105K080AA	DIGIKEY	445-1416-1-ND	Υ	Υ	0.034	0.102
C6, C10	2	CAP TANT 1UF 16V 20% 1206	NICHICON	F931C105MAA	DIGIKEY	493-2364-1-ND	Υ	Υ	0.152	0.304
C12, C13	2	CAP CER 2.2UF 16V Y5V 0805	YAGEO	CC0805ZRY5V7BB225	DIGIKEY	311-1463-1-ND	Υ	Υ	0.042	0.084
C25	1	CAP CER 22UF 25V 10% X5R 1210	MURATA	GRM32ER61E226KE15L	DIGIKEY	490-3889-1-ND	N	Υ	0.540	0.540
C26	1	CAP CER 0.1UF 16V 10% X7R 0603	YAGEO	CC0603KRX7R7BB104	DIGIKEY	311-1088-1-ND	Υ	Υ	0.013	0.013
C27	1	CAP CER 7PF 50V NPO 0603	YAGEO	CC0603DRNPO9BN7R0	DIGIKEY	311-1056-1-ND	N	Υ	0.029	0.029
C28, C29	2	CAP CER 10UF 10V 20% X5R 1206	TDK	C3216X5R1A106M160AB	DIGIKEY	445-1387-1-ND	N	Υ	0.114	0.228
C30	1	CAP CER 0.47UF 16V 10% X5R 0603	TDK	C1608X5R1C474K080AA	DIGIKEY	445-5152-1-ND	N	Υ	0.030	0.030
C31	1	CAP CER 0.082UF 25V 10% X7R 0603	MURATA	GRM188R71E823KA01D	DIGIKEY	490-6434-1-ND	N	Υ	0.050	0.050
C32, C35, C39, C40	4	CAP ALUM 100UF 16V 20% SMD	CHEMI-CON	EMZA160ADA101MF61G	DIGIKEY	565-2539-1-ND	Υ	Υ	0.325	1.300
C34	1	CAP CER 100PF 50V 5% NP0 0603	TDK	C1608NP01H101J080AA	DIGIKEY	445-14054-1-ND	Υ	Υ	0.038	0.038
C37	1	CAP ALUM 470UF 16V 20% SMD	UNITED CHEMI-CON	EMVE160ADA471MHA0G	DIGIKEY	565-2208-1-ND	Υ	Υ	0.456	0.456
CN1	1	CONN RECEPT MINIUSB R/A 5POS SMD	MOLEX	675031020	DIGIKEY	WM5461CT-ND	N	Υ	0.856	0.856
CN2	1	CONN HEADER 6POS .100 VERT GOLD	MOLEX	22-10-2061	DIGIKEY	WM2726-ND	Υ	Y	0.985	0.985
CN3	1	CONN JACK R/A .100 PIN SMD"	SWITCHCRAFT	RASM712PX	DIGIKEY	RASM712PX-ND	N	Υ	1.082	1.082
CN4	1	CONN MOD JACK R/A 8P8C	MOLEX	441440003	DIGIKEY	WM4595CT-ND	N	Y	1.387	1.387
CN5, CN6, CN7, CN8, CN9	5	CONN AUDIO JACK MONO 3.5MM SMD	CUI	MJ-3523-SMT-TR	DIGIKEY	CP-3523MJTR-ND	N	Y	0.796	3.980
D1	1	DIODE SCHOTTKY 10V 3A SOD323	STM	BAT60JFILM	DIGIKEY	497-3707-1-ND	Y	Y	0.240	0.240
IC1	1	CONN SOCKET IC 16-PIN T/H	ON SHORE TECHNOLOGY	SA163040	DIGIKEY	ED3017-ND	Y	Y	0.598	0.598
J1, J2, J3	3	CONN HEADER 2POS .100 VERT GOLD	MOLEX	22-28-4023	DIJIKEY	WM6502-ND	Y	Y	0.190	0.570
L1	1	FERRITE CHIP 120 OHM 2000MA 0603	MURATA	BLM18PG121SN1D	DIGIKEY	490-1037-1-ND	N	Y	0.050	0.050
L2	1	INDUCTOR POWER SHIELD 4.7UH SMD	BOURNS	SRN6045-4R7Y	DIGIKEY	SRN6045-4R7YCT-ND	N	Y	0.270	0.270
LD1	1	LED IND RED/GRN TOP MOUNT 4PLCC	AVAGO	HSMF-A201-A00J1	DIGIKEY	516-2491-1-ND	N N	Y	0.341	0.341
LD2 LED1, LED2, LED3	2	OPTOISOLATR 5KV TRANSISTOR 4-SMD LED GREEN CLEAR THIN 0603 SMD	LITE-ON LITE-ON	LTV-817S-TA1 LTST-C191KGKT	DIGIKEY DIGIKEY	160-1893-1-ND 160-1446-1-ND	IN V	Y	0.217 0.129	0.217 0.387
LED4	3 1	LED GREEN CLEAR THIN 0603 SMD	LITE-ON	LTST-C191KFKT	DIGIKEY	160-1445-1-ND	ĭ V	Y V	0.129	0.387
LED4 LED5, LED7	2	LED SUPER RED CLR THIN 0603 SMD	LITE-ON	LTST-C191KRKT	DIGIKEY	160-1445-1-ND 160-1447-1-ND	T V	Y V	0.113	0.113
LEDG	1	LED 468NM BLUE CLEAR 0603 SMD	LITE-ON	LTST-C191TBKT	DIGIKEY	160-1647-1-ND	· ·	, V	0.124	0.181
LED8	1	LED SUPR RED CLR 0603 RT ANG SMD	LITE=ON	LTST-S270KRKT	DIGIKEY	160-1479-1-ND	۱ ۷	· v	0.131	0.131
MIC1	1	MIC COND ANALOG OMNI -44DB	CUI	CMA-4544PF-W	DIGIKEY	102-1721-ND	N	· V	0.129	0.569
PCB1	1	TBD	TBD	TBD	TBD	TBD	N	· V	0.000	0.000
Q1, Q2	2	TRANSISTOR NPN GP 40V SOT23	Micro Commercial Co	MMBT4401-TP	DIGIKEY	MMBT4401TPMSCT-ND	Y	Y	0.110	0.220
R1, R2, R3	3	RES 4.70K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW06034K70FKEA	DIGIKEY	541-4.70KHCT-ND	Y	Y	0.025	0.075
R4, R5, R6, R9, R44, R45, R47	7	RES 10.0K OHM 1/10W 1% 0603 SMD	VISHAY/DALE	CRCW060310K0FKEA	DIGIKEY	541-10.0KHCT-ND	Y	Y	0.025	0.175
R7, R12, R14	3	RES 330 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW0603330RFKEA	DIGIKEY	541-330HCT-ND	Y	Y	0.025	0.075
R8, R11, R13, R19, R21, R22, R23, R24, R25, R26, R27	11	RES 22.0 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060322R0FKEA	DIGIKEY	541-22.0HCT-ND	Y	Y	0.025	0.275
R10, R16, R20, R31	4	RES 0.0 OHM 1/10W JUMP 0603 SMD	VISHAY-DALE	CRCW06030000Z0EA	DIGIKEY	541-0.0GCT-ND	Y	Y	0.023	0.092
R15	1	RES 220K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW0603220KFKEA	DIGIKEY	541-220KHCT-ND	Y	Υ	0.025	0.025
R17	1	RES 47.0K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060347K0FKEA	DIGIKEY	541-47.0KHCT-ND	G	Υ	0.025	0.025
R18, R40, R51	3	RES 100K OHM 1/10W 1% 0603 SMD	VISHAY/DALE	CRCW0603100KFKEA	DIGIKEY	541-100KHCT-ND	Υ	Υ	0.025	0.075
R28, R29, R30, R38, R49, R50	6	RES 1.00K OHM 1/10W 1% 0603 SMD	, VISHAY-DALE	CRCW06031K00FKEA	DIGIKEY	541-1.00KHCT-ND	Υ	Υ	0.025	0.150
R32	1	RES 220 OHM 1/10W 1% 0603 SMD	VISHAY DALE	CRCW0603220RFKEA	DIGIKEY	541-220HCT-ND	Υ	Υ	0.025	0.025
R33	1	RES 2.20K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW06032K20FKEA	DIGIKEY	541-2.20KHDKR-ND	Υ	Υ	0.030	0.030
R34	1	RES 10.0K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060310K0FKEA	DIGIKEY	541-10.0KHCT-ND	Υ	Υ	0.025	0.025
R35	1	RES 124K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW0603124KFKEA	DIGIKEY	541-124KHCT-ND	Υ	Υ	0.025	0.025
R36, R39	2	RES 22.1K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060322K1FKEA	DIGIKEY	541-22.1KHCT-ND	Υ	Υ	0.025	0.050
R37	1	RES 100 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW0603100RFKEA	DIGIKEY	541-100HCT-ND	Υ	Υ	0.025	0.025
R41	1	RES 240 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW0603240RFKEA	DIGIKEY	541-240HCT-ND	Υ	Υ	0.025	0.025
R42	1	RES 390 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW0603390RFKEA	DIGIKEY	541-390HCT-ND	Υ	Υ	0.025	0.025
R43	1	RES 10K OHM 1/8W 5% 0805 SMD	VISHAY/DALE	CRCW080510K0JNEA	DIGIKEY	541-10KACT-ND	Υ	Υ	0.033	0.033
R46	1	RES 10.0 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060310R0FKEA	DIGIKEY	541-10.0HCT-ND	Υ	Υ	0.025	0.025
R48	1	RES 4.99K OHM 1/10W 1% 0603 SMD	VISHAY DALE	CRCW06034K99FKEA	DIGIKEY	541-4.99KHCT-ND	Υ	Υ	0.025	0.025
SH1, SH2, SH3	3	SHUNT LP 2 POS SN	TYCO AMP	1-382811-6	DIGIKEY	A26231-ND	Υ	Υ	0.210	0.630
SW1, SW2	2	SWITCH TACTILE SPST-NO 0.05A 12V	TE	FSM2JSMATR	DIGIKEY	450-1757-1-ND	N	Υ	0.211	0.422

SW3 1	SWITCH PUSH DPDT 0.1A 30V	E-SWITCH	PBH2UEENAGX	DIGIKEY	EG2655-ND	N	Υ	1.332	1.332
T1, T2 2	TRANSF LINE MATCHING	BOURNS	LM-NP-1001-B1L	DIGIKEY	LM-NP-1001-B1L-ND	N	Υ	1.388	2.776
U1 1	IC PWR SWITCH 1CH 500MA SOT23-5	STM	STMPS2141STR	DIGIKEY	497-6933-1-ND	N	Υ	0.480	0.480
U2 1	I C EMI FILTR/ESD PROT 11FLIPCHIP	STM	EMIF02-USB03F2	DIGIKEY	497-13521-1-ND	N	Υ	0.525	0.525
U3 1	IC MCU 32BIT 1MB FLASH 100LQFP	STM	STM32F407VGT6	DIGIKEY	497-11605-ND	N	Υ	9.878	9.878
U4 1	IC REG LDO 3.3V 0.15A SOT23-5	STM	LD3985M33R	DIGIKEY	497-3504-1-ND	N	Υ	0.466	0.466
U5 1	IC REG BUCK SYNC ADJ 3A 8SOPWR	TI	TPS54329EDDAR	DIGIKEY	296-29856-1-ND	N	Υ	1.650	1.650
U6 1	IC AMP AUDIO PWR .325W AB 8SOIC	TI	LM386MX-1/NOPB	DIGIKEY	LM386MX-1/NOPBCT-ND	N	Υ	0.687	0.687
U7, U8	IC OPAMP GP 1MHZ RRO SOT23-	TI	LMV341IDBVR	DIGIKEY	296-17843-1-ND	N	Υ	0.556	1.112
X1 1	CRYSTAL 8.000 MHZ 18 PF SMD	TXC	9C-8.000MAGJ-T	DIGIKEY	887-2474-1-ND	N	Υ	0.273	0.273
								TOTAL	37.615