

Part	Qty	DEFINITION	MANUFACTURER	MFG_NUMBER	DISTRIBUTOR	DIST_NUMBER	GENERIC	ROHS	EXT.	
									COST100	COST100
C1, C2, C3, C4, C7, C8, C11, C13, C16, C17, C18, C19, C20, C21, C22, C23, C33, C37, C40, C41, C42, C43, C44, C45	24	CAP CER 0.1UF 16V 10% X7R 0603	YAGEO	CC0603KRX7R7BB104	DIGIKEY	311-1088-1-ND	Y	Y	0.013	0.312
C5, C6, C24	3	CAP CER 1UF 16V 10% X5R 0603	TDK	C1608X5R1C105K080AA	DIGIKEY	445-1416-1-ND	Y	Y	0.034	0.102
C9	1	CAP TANT 4.7UF 16V 10% 1206	AVX	TAJA475K016RNJ	DIGIKEY	478-3868-1-ND	Y	Y	0.26	0.26
C10, C12	2	CAP TANT 1UF 16V 20% 1206	NICHICON	F931C105MAA	DIGIKEY	493-2364-1-ND	Y	Y	0.152	0.304
C14, C15	2	CAP CER 2.2UF 16V Y5V 0805	YAGEO	CC0805ZRY5V7BB225	DIGIKEY	311-1463-1-ND	Y	Y	0.042	0.084
C25	1	CAP CER 22UF 25V 10% X5R 1210	MURATA	GRM32ER61E226KE15L	DIGIKEY	490-3889-1-ND	N	Y	0.54	0.54
C26, C46	2	CAP CER 0.1UF 16V 10% X7R 0603	YAGEO	CC0603KRX7R7BB104	DIGIKEY	311-1088-1-ND	Y	Y	0.013	0.026
C27	1	CAP CER 7PF 50V NPO 0603	YAGEO	CC0603DRNPO9BN7R0	DIGIKEY	311-1056-1-ND	N	Y	0.029	0.029
C28, C29	2	CAP CER 10UF 10V 20% X5R 1206	TDK	C3216X5R1A106M160AB	DIGIKEY	445-1387-1-ND	N	Y	0.114	0.228
C30	1	CAP CER 0.47UF 16V 10% X5R 0603	TDK	C1608X5R1C474K080AA	DIGIKEY	445-5152-1-ND	N	Y	0.03	0.03
C31	1	CAP CER 0.082UF 25V 10% X7R 0603	MURATA	GRM188R71E823KA01D	DIGIKEY	490-6434-1-ND	N	Y	0.05	0.05
C32, C35, C36, C38	4	CAP ALUM 100UF 16V 20% SMD	CHEMI-CON	EMZA160ADA101MF61G	DIGIKEY	565-2539-1-ND	Y	Y	0.325	1.3
C34	1	CAP CER 100PF 50V 5% NPO 0603	TDK	C1608NP01H101J080AA	DIGIKEY	445-14054-1-ND	Y	Y	0.038	0.038
C39	1	CAP ALUM 470UF 16V 20% SMD	UNITED CHEMI-CON	EMVE160ADA471MHA0G	DIGIKEY	565-2208-1-ND	Y	Y	0.456	0.456
CN1	1	CONN HEADER 6POS .100 VERT GOLD	MOLEX	22-10-2061	DIGIKEY	WM2726-ND	Y	Y	0.985	0.985
CN2	1	CONN RECEPT MINIUSB R/A 5POS SMD	MOLEX	675031020	DIGIKEY	WM5461CT-ND	N	Y	0.856	0.856
CN3	1	CONN JACK R/A .100 PIN SMD"	SWITCHCRAFT	RASM712PX	DIGIKEY	RASM712PX-ND	N	Y	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	3.98
D1	1	DIODE SCHOTTKY 10V 3A SOD323	STM	BAT60JFILM	DIGIKEY	497-3707-1-ND	Y	Y	0.24	0.24
FB1, FB2, FB3, FB4, FB6	5	FERRITE 500MA 600 OHM 0805 SMD	LAIRD	HZ0805E601R-10	DIGIKEY	240-2399-1-ND	N	Y	0.0381	0.1905
FB5	1	FERRITE 1.5A 60 OHM 1210 SMD	LAIRD	MI1210K600R-10	DIGIKEY	240-2416-1-ND	N	Y	0.1	0.1
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	DIGIKEY	WM6502-ND	Y	Y	0.19	0.57
J5	1	CONN HEADER 3POS .100 VERT GOLD	MOLEX	22-28-4033	DIGIKEY	WM6503-ND	Y	Y	0.18	0.18
L1	1	FERRITE CHIP 120 OHM 2000MA 0603	MURATA	BLM18PG121SN1D	DIGIKEY	490-1037-1-ND	N	Y	0.05	0.05
L2	1	INDUCTOR POWER SHIELD 4.7UH SMD	BOURNS	SRN6045-4R7Y	DIGIKEY	SRN6045-4R7YCT-ND	N	Y	0.27	0.27
LD1	1	LED IND RED/GRN TOP MOUNT 4PLCC	AVAGO	HSMF-A201-A00J1	DIGIKEY	516-2491-1-ND	N	Y	0.341	0.341
LD2	1	OPTOISOLATR 5KV TRANSISTOR 4-SMD	LITE-ON	LTV-817S-TA1	DIGIKEY	160-1893-1-ND	N	Y	0.217	0.217
LED1, LED2, LED8	3	LED SUPR RED CLR RT ANG 0805	LITE-ON	LTST-S220KRRKT	DIGIKEY	160-1469-1-ND	Y	Y	0.1151	0.3453
LED3	1	LED GREEN CLEAR RT ANG 0805	LITE-ON	LTST-S220KKGKT	DIGIKEY	160-1468-1-ND	N	Y	0.135	0.135
LED4	1	LED YELLOW CLEAR RT ANG 0805	LITE-ON	LTST-S220KSKT	DIGIKEY	160-1470-1-ND	N	Y	0.143	0.143
LED5	1	LED 660NM SUPER RED DIFF 0603SMD	LITE-ON	SML-LX0603SRW-TR	DIGIKEY	67-1551-1-ND	Y	Y	0.169	0.169
LED6, LED7	2	LED ALINGAP GRN WHT DIFF 0603SMD	LITE-ON	SML-LX0603GW-TR	DIGIKEY	67-1549-1-ND	Y	Y	0.196	0.392
MIC1	1	MIC COND ANALOG OMNI -44DB	CUI	CMA-4544PF-W	DIGIKEY	102-1721-ND	N	Y	0.569	0.569
PCB1	1	PCB-SM1000, REV-A	?	?	PCB UNIVERSE	SM1000A	N	Y	5.76	5.76
Q1, Q2	2	TRANSISTOR NPN GP 40V SOT23	Micro Commercial Co	MMBT4401-TP	DIGIKEY	MMBT4401TPMSCT-ND	Y	Y	0.11	0.22
R1, R40	2	RES 100K OHM 1/10W 1% 0603 SMD	VISHAY/DALE	CRCW0603100KFKEA	DIGIKEY	541-100KHCT-ND	Y	Y	0.025	0.05
R2, R4, R5	3	RES 4.70K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW06034K70FKEA	DIGIKEY	541-4.70KHCT-ND	Y	Y	0.025	0.075
R3, R7, R17, R38, R48, R49, R54	7	RES 1.00K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW06031K00FKEA	DIGIKEY	541-1.00KHCT-ND	Y	Y	0.025	0.175
R6, R8, R9, R25, R42, R43, R44, R45	8	RES 10.0K OHM 1/10W 1% 0603 SMD	VISHAY/DALE	CRCW060310K0FKEA	DIGIKEY	541-10.0KHCT-ND	Y	Y	0.025	0.2
R10	1	RES 47.0 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060347R0FKEA	DIGIKEY	541-47.0HCT-ND	Y	Y	0.025	0.025
R12, R13, R15, R16, R19, R20, R21, R22, R24, R27, R28	11	RES 22.0 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060322R0FKEA	DIGIKEY	541-22.0HCT-ND	Y	Y	0.025	0.275
R14	1	RES 220 OHM 1/10W 1% 0603 SMD	VISHAY DALE	CRCW0603220RFKEA	DIGIKEY	541-220HCT-ND	Y	Y	0.025	0.025
R18, R26, R30, 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
R23, R29	2	RES 330 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW0603330RFKEA	DIGIKEY	541-330HCT-ND	Y	Y	0.025	0.05
R32	1	RES 47.0K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060347K0FKEA	DIGIKEY	541-47.0KHCT-ND	Y	Y	0.025	0.025
R33	1	RES 2.20K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW06032K20FKEA	DIGIKEY	541-2.20KHKDKR-ND	Y	Y	0.03	0.03
R34	1	RES 10.0K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060310K0FKEA	DIGIKEY	541-10.0KHCT-ND	Y	Y	0.025	0.025
R35	1	RES 124K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW0603124KFKEA	DIGIKEY	541-124KHCT-ND	Y	Y	0.025	0.025
R36, R39	2	RES 22.1K OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060322K1FKEA	DIGIKEY	541-22.1KHCT-ND	Y	Y	0.025	0.05
R37	1	RES 100 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW0603100RFKEA	DIGIKEY	541-100HCT-ND	Y	Y	0.025	0.025
R41	1	RES 240 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW0603240RFKEA	DIGIKEY	541-240HCT-ND	Y	Y	0.025	0.025
R46	1	RES 10K OHM 1/8W 5% 0805 SMD	VISHAY/DALE	CRCW080510K0JNEA	DIGIKEY	541-10KACT-ND	Y	Y	0.033	0.033
R47	1	RES 100K OHM 1/8W 5% 0805 SMD	VISHAY/DALE	CRCW0805100KJNEA	DIGIKEY	541-100KACT-ND	Y	Y	0.024	0.024
R50	1	RES 10.0 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW060310R0FKEA	DIGIKEY	541-10.0HCT-ND	Y	Y	0.025	0.025
R51	1	RES 390 OHM 1/10W 1% 0603 SMD	VISHAY-DALE	CRCW0603390RFKEA	DIGIKEY	541-390HCT-ND	Y	Y	0.025	0.025
R52, R53	2	RES 10K OHM 1/8W 5% 0805 SMD	VISHAY/DALE	CRCW080510K0JNEA	DIGIKEY	541-10KACT-ND	Y	Y	0.033	0.066
SH1, SH2, SH3, SH4	4	SHUNT LP 2 POS SN	TYCO AMP	1-382811-6	DIGIKEY	A26231-ND	Y	Y	0.21	0.84
SW2	1	SWITCH TACTILE SPST-NO 0.05A 12V	TE	FSM2JSMATR	DIGIKEY	450-1757-1-ND	N	Y	0.211	0.211
SW3	1	SWITCH PUSH DPDT 0.1A 30V	E-SWITCH	PBH2UEENAGX	DIGIKEY	EG2655-ND	N	Y	1.332	1.332
T1, T2	2	TRANSF LINE MATCHING SMD	BOURNS	SM-LP-5001E	DIGIKEY	SM-LP-5001ECT-ND	N	Y	1.506	3.012

U1	1	IC MCU 32BIT 1MB FLASH 100LQFP	STM	STM32F407VGT6	DIGIKEY	497-11605-ND	N	Y	9.878	9.878
U2	1	IC REG LDO 3.3V 0.15A SOT23-5	STM	LD3985M33R	DIGIKEY	497-3504-1-ND	N	Y	0.466	0.466
U3	1	IC PWR SWITCH 1CH 500MA SOT23-5	STM	STMP52141STR	DIGIKEY	497-6933-1-ND	N	Y	0.48	0.48
U4	1	I C EMI FILTR/ESD PROT 11FLIPCHIP	STM	EMIF02-USB03F2	DIGIKEY	497-13521-1-ND	N	Y	0.525	0.525
U5	1	IC REG BUCK SYNC ADJ 3A 8SOPWR	TI	TPS54329EDDAR	DIGIKEY	296-29856-1-ND	N	Y	1.65	1.65
U6, U7	2	IC OPAMP GP 1MHZ RRO SOT23-	TI	LMV341IDBVR	DIGIKEY	296-17843-1-ND	N	Y	0.556	1.112
U8	1	IC AMP AUDIO PWR .325W AB 8SOIC	TI	LM386MX-1/NOPB	DIGIKEY	LM386MX-1/NOPBCT-ND	N	Y	0.687	0.687
X1	1	CRYSTAL 8.000 MHZ 18 PF SMD	TXC	9C-8.000MAGJ-T	DIGIKEY	887-2474-1-ND	N	Y	0.273	0.273
TOTAL									\$44.35	