

Quantity	Designator	Comment
1	C62	0.5pF
1	BT1	1CELL LIPO/LION
9	R5, R16, R23, R25, R31, R35, R46, R51, R52	1K
1	C59	1NF
4	R4, R9, R21, R44	1.02M
1	C44	1.7PF
1	C60	2PF
2	Q2, Q6	2SC3356
2	R36, R38	2.2K
18	C3, C10, C11, C12, C19, C22, C26, C27, C28, C29, C30, C35, C53, C56, C57, C6	2.2UF
1	R2	2.4K
1	L8	3.3nH 0603
1	C14	3.6PF
1	C25	3.9PF
3	R6, R18, R43	4.7K
1	C16	4.7pF
1	L11	5.1nH 0603
1	L12	6.2nH 0603
1	C43	7PF
1	R29	9.09K
13	R1, R7, R17, R19, R24, R27, R41, R47, R48, R49, R50, R59, R60	10K
6	C18, C20, C41, C47, C48, C49	10NF
2	L9, L10	10nH 0603
1	C36	10UF
1	R42	11.8K
2	C50, C67	12PF
1	L5	12.3nH AIR
2	L4, L6	15nH 0402
1	L2	15nH 0603
3	C68, L3, R56	18nH 0402
1	C51	18PF
2	R32, R33	20
1	C45	20PF
1	OSC1	21.7MHZ
3	C39, C40, C42	22PF
1	C46	24PF
1	L1	27nH 0402
1	C52	30PF
1	L7	33nH 0402
1	R37	47
1	R14	47K
2	U9, U10	74LVC1G3157DCK
3	R8, R13, R30	100
1	R20	100K
20	C1, C4, C5, C6, C7, C8, C9, C13, C15, C23, C32, C33, C38, C54, C55, C64, C75,	100NF
2	C37, C74	100PF
2	C2, C24	220PF
3	R10, R11, R12	300
2	R3, R45	332K
1	R57	470PF

1	R34	510
1	ANT3	ANT-458-SP
1	U3	AP2125K-3.0TRG1
2	D1, D3	BAR88-02V
3	FB1, FB2, FB3	BEAD 0603
1	U5	BK4813
1	U7	BT53
1	J2	CONN MINI USB
1	Q3	DMG1012T-7
2	Q1, Q4	DMG1013T-7
6	R15, R22, R26, R28, R39, R58	JMP
1	LD1	LED RGB SMT
1	U1	MCP73831T-2ACI/OT
1	MIC1	MIC
1	L14	N.C
1	P1	N.C
1	P2	N.C
5	TP1, TP3, TP4, TP5, TP6	N.C
9	C17, C21, C31, C65, C66, C70, C71, C72, L13	N.C
1	U2	PIC18F24K22
1	Q5	RFM04U6P
1	D2	SD103CW-E3-08
1	U4	SG-3040LC
1	J3	SJ-43515RS-SMT
1	SW1	SW-PB
2	ANT1, ANT2	TH-TP
1	U6	WM8904 QFN32

Description	MAN. P.N	MANUFACTURER
MLCC - SMD/SMT .5pF 200V .05% COG 0402	CBR04C508A2GAC	KEMET
Multicell Battery		
Thick Film Resistor - SMD 1K OHM 1% 0402	CRCW04021K00FKED	VISHAY
CAP CER 0402 1NF 50Volts X7R 10%	VJ0402Y102KXACW1BC	VISHAY
Thick Film Resistor - SMD 1.02M OHM 1% 0603	CRCW06031M02FKEA	VISHAY
CAP CER 0402 1.7PF	GJM1555C1H1R7BB01D	MURATA
CAP CER 0402 2PF	GRM1555C1H2R0BA01D	MURATA
Transistor NPN Epitaxial Silicon RF Microwave Low-Noise 3-pin Minimold	NE85633-T1B-A(R24)	RENESAS
Thick Film Resistor - SMD 2.2K OHM 1% 0603	CRCW06032K20FKEA	VISHAY
CAP CER 2.2UF 10V 0402 X5R	C0402C225M8PACTU	KEMET
Thick Film Resistor - SMD 2.4K OHM 1% 0603	CRCW06032K40FKEA	VISHAY
Fixed Inductor 0603CS High Q, SRF 3.9 nH 5 % 0.7 A	0603CS-3N9XJLW	COILCRAFT
CAP CER 0402 3.6PF	GRM1555C1H3R6BA01D	MURATA
CAP CER 0402 3.9NF	GRM1555C1H3R9BA01D	MURATA
Thick Film Resistor - SMD 4.7K OHM 1% 0603	CRCW06034K70FKEA	VISHAY
CAP CER 0402 5.6PF	GRM1555C1H5R6BA01D	MURATA
Fixed Inductor 0603 5.1nH 5%	0603CS-5N1XJLW	COILCRAFT
Fixed Inductor 0603 6.2nH 5%	LQG18HH6N2S00D	MURATA
CAP CER 0402 7PF	GRM1535C1H7R0DDD5D	MURATA
Thick Film Resistor - SMD 9.09K 1% 0402	CRCW04029K09FKED	VISHAY
Thick Film Resistor - SMD 10K 1% 0402	CRCW040210K0FKEA	VISHAY
CAP CER 0402 10NF	GRM155R71E103KA01D	MURATA
Fixed Inductor 0603 10nH 5%	LQG18HN10NJ00D	MURATA
CAP CER 10UF 10V 1206 X5R	C1206C106K9PACTU	KEMET
Thick Film Resistor - SMD 11.8K 1% 0402	ERJ-2RKF1182X	PANASONIC
MLCC - SMT 0402 12pF 50volts C0G 5%	GCM1555C1H120JA16D	MURATA
Fixed Inductor 080xSQ AirCore RF 12.3 nH 5 % 2.9 A	0806SQ-12NJB	COILCRAFT
Fixed Inductor 0402 15nH 5%	LQG15HS15NJ02D	MURATA
Fixed Inductor 0603 15nH 5%	LQG18HN15NJ00D	MURATA
Fixed Inductor 0402 18nH +/-5% Chip	LQG15HN18NJ02D	MURATA
MLCC - SMT 0402 18pF 50volts C0G 5%	GRM1555C1H180JA01D	MURATA
Thick Film Resistor - SMD 20 OHM 1% 0603	CRCW060320R0FKEB	VISHAY
MLCC - SMD/SMT 0402 20pF 50volts C0G 5%	GRM1555C1H180JA01D	MURATA
OSCILLATOR TCXO 21.7MHZ 3.2X2.5	DSA321SCM-21.700MHz	KDS
MLCC - SMT 0402 22pF 50volts C0G 1%	GRM1555C1H220FA01D	MURATA
MLCC - SMT 0402 24pF 50volts C0G 2%	GRM1555C1H240GA01D	MURATA
Fixed Inductor 0402 27nH +/-5% Chip	LQG15HN27NJ02D	MURATA
MLCC - SMT 0402 30pF 50volts C0G 1%	GRM1555C1H300FA01J	MURATA
Fixed Inductor 0402 33nH +/-5% Chip	LQG15HN33NJ02D	MURATA
Thick Film Resistor - SMD 47 1% 0402	CRCW040247R0FKED	VISHAY
Thick Film Resistor - SMD 47K OHM 1% 0402	CRCW040247KFKEA	VISHAY
SINGLE-POLE DOUBLE-THROW ANALOG SWITCH SC70	74LVC1G3157DCK	Texas Instruments
Thick Film Resistor - SMD 100 OHM 1% 0402	CRCW0402100RFKEA	VISHAY
Thick Film Resistor - SMD 100K OHM 1% 0402	CRCW0402100KFKEA	VISHAY
CAP CER 0402 100NF 10Volts Y5V +80-20%	VJ0402V104ZXQPW1BC	VISHAY
MLCC - SMD/SMT 50volts 100pF C0G 5% 0402	C0402C101J5GACTU	KEMET
CAP CER 0402 220PF 10Volts X7R 20%	VJ0402Y221MXQPW1BC	VISHAY
Thick Film Resistor - SMD 300 1% 0603	CRCW0603300RFKEA	VISHAY
Thick Film Resistor - SMD 332K 1% 0603	CRCW0603332KFKEB	VISHAY
CAP CER 470PF 50V NP0 0402	GRM1555C1H471JA01D	MURATA

Thick Film Resistor - SMD 510 1% 0603	CRCW0603510RFKEA	VISHAY
300 mA low quiescent current very low noise LDO	AP2125K-3.0TRG1	DIODES
DIODE PIN SILICONE SC79	BAR88-02V	INFINEON
BEAD FARRITE 120OHM 2A 0603	MPZ1608S121ATDH5	TDK
Analog Two Way Radio IC	BK4813	beken
BLUETOOTH MODULE	BT53	AMPED RF
CONN MINI USB SMT	10118192	FCI
MOSFET MOSFET N-CHANNEL SOT-523	DMG1012T-7	DIODES
MOSFET MOSFET P-CHANNEL SOT-523	DMG1013T-7	DIODES
RESISTOR JUMPER 0402	CRCW04020000Z0EA	VISHAY
Single-Cell, Li-Ion, Charger SOT23-5	MCP73831T-2ACI/OT	Microchip Technology
Microphone	PNM-2751L-R	CUI
8-bit Microcontrollers - MCU 16KB Flash 768B RAM 8b Family nanoWatt	PIC18F24K22-I/MV	Microchip Technology
	RFM04U6P	TOSHIBA
Diode SCHOTTKEY SOD-123	SD103CW-E3-08	Vishay Semiconductor
	SG-3040LC	EPSON
3.5 MM AUDIO JACK	SJ-43515RS-SMT	CUI
METAL DOME 6MM 130G	F06130	SNAPTRON
Trough Hole PAD		
Ultra Low Power CODEC for Portable Audio Applications	WM8904CGEFL/V	WOLFSON



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