

Bill of Materials

Reference	Qty	Part number	Description	Package	Manufacturer
BAT1	1	BT-BS-24-A1AJ001	SIP-2P	CR2430	HUAI YANG
CON5	1	EJ-3699M-GP	JACK_CON/5P/EJ-3699M-GP	AUDIOJACK/5P/SMD/EJ-3699M-GP	Dian Jin
C3, C11, C12	3	C1005X7R1H104K050BB	100nF/50V/X7R	C-0402	TDK
C5	1	C1005X5R1A475KT	4.7µF/6.3V/X7R	C-0402	TDK
C8, C17, C22, C24, C26, C30, C97, C104, C105, C106	10	C1005X5R0J105K050BB	1µF/6.3V/X5R	C-0402	TDK
C13, C15	2	GRM1555C1H220FZ01D	22pF/NPO	C-0402	Murata
C16, C18, C21, C23	4	GRM155R61E225KE11D	2.2µF/6.3V/X5R	C-0402	Murata
C19, C25	2	0402N330J500CT	33pF/6.3V/X7R	C-0402	WALSIN
C20	1	0402B331K100	330pF/6.3V/X7R	C-0402	WALSIN
C98, C99, C101, C102	4	GRM188R60J226MEA0D	22µF/6.3V/X5R	C-0603	Murata
C107, C108, C109, C110, C111, C112, C113, C114	8	0402X106M100CT	10µF/6.3V/X5R	C-0402	WALSIN
D1	1	LNL-191SUR	Red LED	LED_2P_RT1025	LIGH TOP
D2	1	LNL-190UB	Blue LED	LED_2P_RT1025	LIGH TOP
D3	1	LNL-190UW-4H	White LED	LED_2P_RT1025	LIGH TOP
ESD1, ESD2, ESD3	3	ESD/D5V0L1B2S9-7	ESD	R-0603	DIODES
L1, L2	2	DFE201610E-2R2M=P2	2.2µH/1239AS-H-2R2M/2520	L-2-5X2-0	MuRata
NTC1	1	NCP15XH103F03RC	NCP15X1-H103F03RC	R-0402	MuRata
PL1, PL2, PL3	3	WR06X000 PTL	0	L-0603	WALSIN
PL4	1	GBLM160808P-1R5M	PL/GBLM160808P-1R5M	L-NR3015	GOTREND
R1	1	CR-02FL6---12K	12k/1%	R-0402	Viking
R4, R15	2	WR04X1001FTL	1k/1%	R-0402	WALSIN
R5	1	WR04X6802FTL	68k/1%	R-0402	WALSIN
R7, R23, R174, R201, R202, R203, R221, R223, R225, R226, R227, R230, R231, R233, R234	15	WR04X000 PTL	0/1%	R-0402	WALSIN
R8, R9	2	CR-02FL6---4K7	4.7k/1%	R-0402	Viking

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R11, R198, R228	3	WR04X1002FTL	10k/1%	R-0402	WALSIN
R12, R13, R14, R26, R79, R80, R206, R207, R209, R211, R213, R214, R215, R217, R220, R235	16	WR02X1003FTL	100k/1%	R-0201	WALSIN
R17, R18	2	WR04X6202FTL	62k/1%	R-0402	WALSIN
R19	1	WR04X1004FTL	1M/1%	R-0402	WALSIN
R20	1	WR04X1503FTL	150k/1%	R-0402	WALSIN
R78	1	WR06X8063FTL	806k/1%	R-0402	WALSIN
R204	1	WR06X000 PTL	0R	R-0603	WALSIN
SW1	1	HTS 6601H	TOUCH-BTN	DIP-4P	High-Tronics
USB3	1	UMMBF-051MGCB9-CF1066	USB Micro-B Connector	USB Micro-B	Cherng Weei
U2	1	NT1613A-NQA-30-BJ	Battery Protect IC	QFN2X3_8L_0-5	Neotek
U3	1	RT9527GQW	Charger IC	WDFN-8L 2x2	Richtek
U6	1	BGM11S22F256GA	BLE SiP	BGM11S22F256GA	SiLab
U7	1	RT1025WS	ECG/PPG AFE IC	WL-CSP-41B 3.10x3.48 (BS)	Richtek
U8	1	RT3001GQL	G-sensor	LGA-12L 2x2	Richtek
U12	1	SFH7050	PPG LED & PD Module	SFH7050	OSRAM
U14	1	RT4813AGQUF	4.5V Boost IC	UQFN-9L 2x2 (FC)	Richtek
U15	1	RT9073A-33GQZ	3.3V LDO	ZQFN-4L 1x1	Richtek
U16, U17	2	RT5707WSC	1.8V/2.8V Buck IC	WL-CSP-8B 0.9x1.6 (BSC)	Richtek
X1	1	DST-310S	32.768kHz/TFX-02S-32	CRY-DST310S	HARMONY

More Information

For more information, please find the related datasheet or application notes from Richtek website <http://www.richtek.com>.

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