

AccelR1 BOM

Quantity	Designator	PartType	DescSheet	VendorPartNo	Vendor	Reference	Cost/ea	Description	Manufacturer	ManufPartNo	Footprint
1	BT1	Lith 3V ButtonCell	48mAh	P192-ND	Digi-Key	T041, 1120	1.508	Multicell Battery	Panasonic	BR1225-1VC	BR1225
2	C1, C2	0.1uF	16V,cer	PCC1870CT-ND	Digi-Key	T041, 822	0.183	Capacitor	Panasonic	ECJ-3VB1C104K	1206
4	C3, C4, C5, C6	Cx,330nF, Cy,330nF	1nF-470nF,50V, X7R	PCC1817CT-ND	Digi-Key	T041, 820	0.085	Capacitor	Panasonic	ECJ-2YB1C334K	0805
1	C7	47uF	6.3V,cer	PCC2301CT-ND	Digi-Key	T041, 823	3.498	Capacitor	Panasonic	ECJ-4YB0J476M	1210
1	C8	20pF	50V,NP0	PCC200CCT-ND	Digi-Key	T041, 821	0.121	Capacitor	Panasonic	ECU-V1H200JCM	1206
1	C9	220pF	50V,X7R	311-1164-1-ND	Digi-Key	T041, 847	0.09	Capacitor	Yaego	12062R221K9B20D	1206
1	C10	10uF	10V,cer	PCC2178CT-ND	Digi-Key	T041, 822	0.513	Capacitor	Panasonic	ECJ-3YB1A106M	1206
4	C11, C12, C13, C14	10uF	6.3V,X5R	PCC2327CT-ND	Digi-Key	T041, 821	0.365	Capacitor	Panasonic	ECJ-CV50J106M	0805
10	J1, J4, J5, J6, J7, J9, J10	BBC, DB-9 Female, Gnd						Connector, DB-9 Female, Pad Pin for testpg			PIN38, PINS3-14, PINS22
1	J2	RS-232	Gold	WM4901-ND	Digi-Key	T041, 97	0.785	Connector 3 pin socket	Molex	70553-0002	CGRID3-RA
1	J3	RS-232 Plug	Plug	WM2901-ND	Digi-Key	T041, 96	0.508	Connector 3 pin plug	Molex	50-57-9403	SIP3-2mm
1	J8	BBC	Right Angle	WM6306-ND	Digi-Key	T041, 94	0.59	Connector	Molex	22-28-8063	SIP6
1	J10	Batts	Gold	WM4900-ND	Digi-Key	T041, 97	0.60	Connector 2 pin socket	Molex	70553-0001	CGRID2-RA
1	J11	Batts Plug	Plug	WM2900-ND	Digi-Key	T041, 96	0.38	Connector 2 pin plug	Molex	50-57-9402	SIP2
1	JP4	JP-VBBKen	2mm	2163S-36-ND	Digi-Key	T041, 78	2.80	Connector	NorComp	2163-36-01-P2	SIP2-2mm
1	L1	56uH	0.73A,0.277ohm	308-1233-1-ND	Digi-Key	T041, 655	1.00	Inductor	Sumida	CDRH6D28-560NC	CDRH6D28
2	L2, L3	2000ohm	300mA ferrite	240-2211-1-ND	Digi-Key	T041, 699	0.234	Inductor	Steward	HZ0805C202R-00	0805
2	R1, R2	Rset	125k-1.25M	311-valueFCT-ND	Digi-Key	T041, 861	0.088	Resistor	Yaego	9C12063AXXXFKHFT	1206
1	R3	887K	1%, 1/4W	311-887KFCT-ND	Digi-Key	T041, 861	0.088	Resistor	Yaego	9C12063A887FKHFT	1206
1	R4	280K	1%, 1/4W	311-280KFCT-ND	Digi-Key	T041, 861	0.088	Resistor	Yaego	9C12063A280FKHFT	1206
2	S1, S2	Reset, Wake		P12269SCT-ND	Digi-Key	T041, 932	0.68	Push Button	Panasonic	EVQ-PPHA25	SMT-PB-EVQ-PPHA25
2	U1, U2	ADXL210E	+/-10g	ADXL210JE	Arrow		20.60	Accelerometer, Dual-axis, PWM, +/-10g	Analog Devices	ADXL210JE	LCC-E8
1	U3	LTC1877	600mA Sw	LTC1877EMS8	Arrow		3.43	Synchronous Step-Down Converter	Linear	LTC1877EMS8	MSOP-8
1	W1	VBBKen	2mm Shunt	SP2-001-ND	Digi-Key	T041, 78	0.128	Jumper Wire	NorComp	800-002-SP2-001	