

EKG Board BOM

Quantity (per board)	Description	Reference Designator	Digikey Part Number
1	32.768kHz xtal	X1	300-2066-1-ND
2	Mom. On Pushbutton	SW1, SW2	CKN1573CT-ND
1	2-pin male jumper, 0.1 inch	PWR	
1	2-pin shunt, 0.1 inch	N/A	929955-06-ND
1	3-pin male header, 0.1 inch	"+ - -" header	
2	red led (0805)	D1, D2	160-1176-1-ND
1	4-pin male header, 0.1 inch	REF	
6	2x4 male header, 0.1 inch	P1, P2, P3, P4, P5, P6	
1	14-pin male shrouded header	JTAG	
1	820ohm (0805)	R16	
2	1k (0805)	R1, R2	P1.0KACT-ND
1	10k (0805)	R18	
4	100k (0805)	R3, R4, R9	P100KACT-ND
2	100k (0805)	R12, R13	0.1%
3	680k (0805)	R5, R6, R7	P680KACT-ND
3	1Meg (0805)	R14, R17, R19	
2	2Meg (0805)	R10, R11	1% (or better)
2	0.01 uF (0805)	C1, C3	399-1158-1-ND
2	0.1 uF (0805)	C5, C9	399-1167-1-ND
1	1 uF (0805)	C2	399-1172-1-ND
1	10 uF (0805)	C4	PCC2233CT-ND
1	4.7 nF (0805)	C7	
1	3V CR2032 holder	B1	BA2032SM-ND
1	3V CR2032 battery	N/A	P189-ND
2	rubber feet:small, adhesive stand-offs	N/A	
	<i>MSP430FG439</i>	<i>U1</i>	<i>TI</i>
	<i>SBLCA4</i>		www.softbaugh.com
	<i>INA321A</i>	<i>U2</i>	<i>TI</i>
	DNP	R8, R15, R20, R21, R22, R23, R25, R26, R27, C6, C8, D3, D4, X2, Q1	