

BOM Universal Glucometer

# of Parts	Value	Package	Description	Digikey #	Cost Each	Total Cost
<b>Capacitors</b>						
1	100pF	C1206	SMD Capacitor	399-8127-1-ND	\$0.12	\$0.12
3	1uF	C1206	SMD Capacitor	311-1181-1-ND	\$0.12	\$0.36
5	0.1uF	C1206	SMD Capacitor	311-1179-1-ND	\$0.08	\$0.40
<b>Resistors</b>						
1	68	R1206	SMD Resistor	P68ECT-ND	\$0.02	\$0.02
1	100	R1206	SMD Resistor	P100ECT-ND	\$0.02	\$0.02
1	2.2k	R1206	SMD Resistor	P2.2KECT-ND	\$0.02	\$0.02
4	4.7k	R1206	SMD Resistor	P4.7KECT-ND	\$0.02	\$0.08
2	100k	R1206	SMD Resistor	P100KECT-ND	\$0.02	\$0.04
<b>IC's</b>						
1	PIC16F1789	TQFP44	PIC Micro-Controller (8 bit)	PIC16F1789-I/PT-ND	\$2.31	\$2.31
1	AT24C	SOIC8	2-wire (I2C) serial EEPROM	AT24C64D-SSHM-TCT-ND	\$0.58	\$0.58
1	MCP9700SMD	SOT23-3	Analog-output temperature sensor	MCP9700AT-E	\$0.31	\$0.31
1	3V3+VReg	SOT23-3	3.3v LDO VOLTAGE REGULATOR	MCP1700T3302ETTC T-ND	\$0.37	\$0.37
1	MMBT2222A	SOT23-3	Generic NPN BJT	MMBT2222ALT1GOS CT-ND	\$0.10	\$0.10
<b>Switches</b>						
3	SPST	EVQ-Q2	SMT 6mm switch, Tactile NO	732-7011-2-ND	\$0.35	\$1.05
1	SPST		Through Hole Rt. Angle Tactile NO	679-2400-ND	\$0.44	\$0.44
<b>Pins and Headers</b>						
1 Row of 20	Male Pins		Rt Angle 0.1" FEMALE HEADER (rows of 8,6,4)	S5456-ND	\$1.90	\$1.90
1 Row of 10	Female Headers		Rt Angle 0.1" MALE HEADER (rows of 8, 4)	S1122E-20-ND	\$1.48	\$1.48
<b>Battery Parts</b>						
1	Female Conn		JST 2-Pin Connector, 2mm pin spacing	455-1165-ND	\$0.10	\$0.10
2	Crimp Sockets		Crimp Sockets for Female Conn	455-2148-1-ND	\$0.10	\$0.20
1	Male Conn		2 Positions Header, Shrouded, Through Hole, Right Angle	455-1719-ND	\$0.17	\$0.17
2	Coin Cell		3V Coins Cell (CR			
<b>Resonator</b>						
1	8MHZ	1206	8Mhz Resonator	Non-Essential	\$0.49	\$0.49
<b>LCD Display</b>						
1	LCD Screen		Nokia 5110		\$4.00	\$4.00
<b>Case</b>						
1	Top Case		3D Printed, milled, etc			
1	Bottom Case					
<b>Strip Port</b>						
			3D Printed, milled, etc. Same base design with different wiring and spacing for different strips			
					<b>Total</b>	<b>\$14.56</b>