

Appendix B

Item	Cost (CAD)
Infrared Emitter 940nm	0.38
640nm LED	0.77
25x Header and Wire House Connector	4.00
Light To Frequency & Light To Voltage Converter	2.06
FFC & FPC Connectors	1.44
ARM Microcontrollers	1.96
Fixed Inductors WE-TPC 2811	2.07
Speakers & Transducers	2.71
Voltage Regulators	0.90
2x Tactile Switches	0.67
3x Thick Film Resistor 1/20watt 1Mohms	1.13
Thick Film Resistor 1/10watt 590Kohms	0.15
Thick Film Resistor 1/10watt 2.0Kohms	0.15
LDO Voltage Regulator	0.58
4x Multilayer Ceramic Capacitors – MLCC SMD/SMT 0603 0.1uF 16V	0.58
2x Multilayer Ceramic Capacitors MLCC – SMD/SMT 6.3V 10uF	0.55
2x Multilayer Ceramic Capacitors MLCC – SMD/SMT 0603 4.7uF 6.3V	0.32
9x Multilayer Ceramic Capacitors MLCC – SMD/SMT 0603 1uF 10V	1.31
LCD w/Touch Panel	4.7
Total	26.43

Table 2. Bill of Materials for the Glia Pulse Oximeter