

## A.2 Bill of Material

Table A-1 I<sup>2</sup>C to USB Bridge bill of material

Qty.	Description	Name
1	Connector, Mini USB 5pin Type B, SMD	BU1
1	Connector, 2mm socket 6pin, SMD	BU2
1	Capacitor, 100nF, 10%, X7R, SMD 0402	C1
3	Capacitor, 1 $\mu$ F, 10%, X5R, 10V, SMD 0402	C2, C3, C5
1	Capacitor, 10 $\mu$ F, 20%, X5R, 6.3V, SMD 0603	C4
3	LED, 571nm green clear, 0603 SMD	D1, D2, D3
1	IC, MCP1801T LDO,Voltage Regulator, 3.3V, 150 mA, 5 PinSOT-23	IC1
1	IC, PIC18F14K50 USB Flash Microcontroller, 20 Pin SSOP	IC2
3	Resistor, 1k $\Omega$ , 1%, 1/16W, SMD 0402	R3, R4, R6
1	Resistor, 150k $\Omega$ , 1%, 1/16W, SMD 0402	R5
1	Resistor, 0 $\Omega$ , 1%, 1/16W, SMD 0603	R7
1	Ceramic Resonator, CSTCE12M0G55Z-R0 12.0MHz, SMD	XTAL1