Bill Of Materials for SCR v1

Design Title	SCR v1
Author	
Document Number	
Revision	
Design Created	04 June 2019
Design Last Modified	04 June 2019
Total Parts In Design	19

5 Capacitors

Quantity	References	Value	PCB Package	Description	Category	Unit Cost
2	C1,C2	22pF	CAPC2012X100	CAP 22pF 100V MICA CHIP 0805	Capacitors	$1.31
1	C3	0.1u	CAPC1005X55	CAP .10uF 16V CERAMIC Y5V 0402	Capacitors	
1	C4	1.0u	CAPC1608X87	CAP 1uF 6.3V CER Y5V SMD 0603	Capacitors	
1	C5	1.0u	CAPC1608X87	CAP CERM 1uF 10V Y5V 0603	Capacitors	
Sub-totals:						$2.62

5 Resistors

Quantity	References	Value	PCB Package	Description	Category	Unit Cost
2	R1,R2	22R	0805_RES	0.1W, 1%, 100ppm, SMT Thick film chip resistor (RL5000)	Resistors	
1	R3	1K	RESC2012X50	RES 11K OHM 1/8W 5% 0805 (2012 metric) SMD	Resistors	
1	R4	47K	RESC2012X50	RES 47K OHM 1/8W 5% 0805 (2012 metric) SMD	Resistors	
1	R5	1K	RESC1608X50A	RES 1.0KOHM 1/16W 3300PPM 5% 0603 (1608 metric) SMD	Resistors	
Sub-totals:						$0.00

3 Integrated Circuits

Quantity	References	Value	PCB Package	Description	Category	Unit Cost
1	U1	NCN6001DTBR2G	TSSOP20_4P50X6P60	Smart Card interface chip	Modelling Primitives	
1	U2	AT90USB646	QFP80P1600X1600X120-64A	64 KBytes Flash, 4320 Bytes SRAM, 2 KBytes EEPROM, USB Host, USB Device, ADC, Analog Comparator, TWI, SPI, 6 Ports, 4 Timers, 1 USART	Microprocessor ICs	
1	U3	CRYSTAL ABM8G-16	CRYSTAL_ABM8G	A Ceramic 16MHZ Crystal Resonator	Miscellaneous	

| Sub-totals: | | | | | | $0.00 |

1 Diodes

Quantity	References	Value	PCB Package	Description	Category	Unit Cost
1	D1	DL4933	DIOMELF3414	1 AMP 50V FAST-RECOVER DIOD S/MT	Diodes	

| Sub-totals: | | | | | | $0.00 |

5 Miscellaneous

Quantity	References	Value	PCB Package	Description	Category	Unit Cost
1	J1	21745072 USB MICRO B	J_SMD_217450725_78_5_271	USB_-_micro_B_USB_2.0_Receptacle_Connector_5_Position_Surface_Mount,_Right_Angle	Connectors	
1	J2	26630601RP2	CON6_1X6_HDR_2663	Single Row, Straight, .079in spacing , 6 pins, Gold Flashed.	Connectors	
1	J3	25630401RP2	CON4_1X4_U_2563	Single Row, Receptacle, .079in spacing , 4 pins, Gold Flashed.	Connectors	
1	L1	22u	INDC2520X220	INDUCTOR 22uH 5% FIXED SMD	Inductors	
1	USBCON4	26630201RP2	CON2_1X2_HDR_2663	Single Row, Straight, .079in spacing , 2 pins, Gold Flashed.	Connectors	

| Sub-totals: | | | | | | $0.00 |

| Totals: | | | | | | $2.62 |

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