





Bill of Materials

Bill of Materials For Project [USB_RC522_CARD_RW.PrjPcb] (No PCB Document 5

Source Data From: USB_RC522_CARD_RW.PrjPcb
 Project: USB_RC522_CARD_RW.PrjPcb
 Variant: None

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Footprint	Comment	LibRef	Designator	Description	Quantity
0603	100nF	C0603	C1, C6, C8, C10, C12, C15, C16, C17, C18	Ceramic Chip Capacitor - Standard	9
0805	10uF	C0805	C2, C5, C7, C9, C13, C14	Ceramic Chip Capacitor - Standard	6
0603	10nF	C0603	C3, C4	Ceramic Chip Capacitor - Standard	2
0805	470nF	C0805	C11	Ceramic Chip Capacitor - Standard	1
1.6X0.8X0.8	LED_WHITE	HSMZ-C190	D1, D2, D3	High Performance Chip LED, Red	3
SOD323	1N4148	1PS76SB10	D4	Schottky Barrier Diode	1
1.6X0.8X0.8	LED_GREEN	HSMZ-C190	D5	High Performance Chip LED, Red	1
1.6X0.8X0.8	LED_RED	HSMZ-C190	D6	High Performance Chip LED, Red	1
SMD-0805	NF	744790282	L1, L2	SMD-Multilayer Inductor WML, L = 8.20 µH	2
BUZZER	Buzzer 5Vdc	BUZZER	LS1	5Vdc PCB buzzer	1
HDR1X5	CAPACITIVE	Header 5	P1	Header, 5-Pin	1
HDR1X4	SENSORS	Header 4	P2	Header, 4-Pin	1
HDR1X16	USB B MINI	Header 16	P3	Header, 16-Pin	1
HDR1X2	2x16 CHAR LCD	Header 2	P4	Header, 2-Pin	1
HDR1X8	HW_RESET	Header 8	P5	Header, 8-Pin	1
HDR1X5	RC522 CARD	Header 5	P6	Header, 5-Pin	1
SOT23_N	RW	BSH203	Q1	P-channel Enhancement Mode MOSFET	1
SOT23_N	PICKIT3_ICSP	BC817	Q2, Q3	NPN General-purpose Transistor	2
SOT23_N	SI2377EDS	BSS123	Q4	N-channel Enhancement Mode Vertical DMOSFET	1
ERA-0603	MMBT2222	ERAV	R1, R2, R3, R7, R8	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	5
ERA-0603	BSS123	ERAV	R4, R13, R14, R15, R16, R17, R18, R19	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	8
ERA-0603	330R	ERAV	R5, R9, R10, R11, R25, R26	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	6
ERA-0603	1K	ERAV	R6, R24	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	2
ERA-0603	10K	ERAV	R12	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
ERA-0603	100R	ERAV	R20, R21, R22, R23	Metal Film Thermosensitive Chip Resistor 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	4
ERA-0603	10R	ERAV	U1	Low-Power, High-Performance Microcontroller with XLP Technology, 48 MHz, 24 I/O, -40 to 85 degC, 28-pin SOIC (SO28), Tube	1
MCHP-SOIC-SO28_N	PIC18F25K50-I/SO	PIC18F25K50-I/SO	U2	800mA and 1A Low Dropout Positive Regulator 2.85V, 3.3V, 5V, and Adjustable	1
ZZ311	REG1117-3.3	REG1117-3.3			

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Approved	Notes