



uSD-to-Serial Interface

Bill-of-Materials

HW A, Document 1.0, June 4, 2018

Notes:

1) Do not populate: JP1

Item	Quantity	Reference	Manufacturer	Manuf. Part #	Distributor	Distrib. Part #	Description
1	6	C1, C2, C3, C4, C5, C7	Kemet	C0805C104K4RACTU	Digi-Key	399-1167-1-ND	Capacitor, 0.1uF ceramic, 16V, X7R, 0805
2	1	C6	Panasonic	EEE-FT1V101AP	Digi-Key	PCE5016CT-ND	Capacitor, 100uF aluminum electrolytic, 20%, 35V, size D
3	1	D1	Lite-On Trading	LTL-307E	Digi-Key	160-1705-ND	LED, Red High-Efficiency diffused, T-1 3/4, 635nm, 19mcd, 2.0V
4	4	D2, D3, D4, D5	Diodes Incorporated	S1A-13-F	Digi-Key	S1A-FDICT-ND	Diode, General purpose, 50V, 1A, SMA
5	1	J1	NorComp	171-025-103L001	Digi-Key	225ME-ND	Connector, D-Sub 25, Male, Panel Mount
6	1	J2	Molex	104031-0811	Digi-Key	WM6357CT-ND	Connector, MicroSD Card, Push-Pull, R/A, SMD
7	1	J3	CUI	PJ-202B	Digi-Key	CP-202B-ND	Connector, Barrel Jack, 2.5mm ID, 5.5mm OD, PCB mount
8	1	R1	Any	Any	Digi-Key	P220ACT-ND	Resistor, 220 ohm, 5%, 1/8W, 0805
9	1	SW1	C&K Components	JS202011CQN	Digi-Key	401-2001-ND	Switch, DPDT slide, 100mA @ 30VDC, L = 2mm, PCB mount
10	1	U1	Maxim Integrated	MAX3232CSE+	Digi-Key	MAX3232CSE+-ND	IC, RS232 Transceiver, SOIC16
11	1	U2	SparkFun Electronics	DEV-11114	Adafruit	2377	Module, Arduino Mini Pro 328, 3.3V, 8MHz, DIP-24W
12	1	U3	Texas Instruments	LM7805MP/NOPB	Digi-Key	296-44517-1-ND	IC, Linear Regulator, 5V, 1.5A, SOT223-4
13	1	PCB	OSH Park	USD-TO-SERIAL	N/A	N/A	PCB, Fabrication