

# Paperduino list of components BOM

Qty	Value	Device	Package	Parts	Description
3	1.5K	RESISTOR1206	1206	R1, R2, R5	Resistor
1	100nf	CAPPTH	CAP-PTH-SMALL	C1	Capacitor
1	10uf/16v	CAP_POLPTH2	CPOL-RADIAL-10UF-25V	C2	Capacitor Polarized
1	1N4148	DIODE1N4148	DIODE-1N4148	D1	Diode
2	22	RESISTOR1206	1206	R3, R4	Resistor
2	3V6	DIODE-ZENERPTH	DIODE-ZENER	D2, D3	Zener Diode
1	GREEN	LED3MM	LED3MM	STATUS	LEDs
1	M02PTH	M02PTH	1X02	POWER	Standard 2-pin 0.1" header. Use with
1	RED	LED3MM	LED3MM	ON	LEDs
1	TINY85-20-DIP	ATTINY45TINY85-20-DIP	DIP08	U1	Atmel 8-pin 2/4/8kB flash uC
1	USB-B	USBPTH	USB-B-PTH	JP2	USB Connectors
1	male-header	M08	1X08_ROUND	OUTPUT	Header 8
1	push-button	TAC_SWITCHPTH	TACTILE-PTH	RESET	Momentary Switch
1	Socket	DIP_Sockets	8-Pin	---	DIP Sockets Solder Tail

## List of equipments needed

- Soldering station (for each student)
- Solder wire (for each student)
- Solder wick/suction device (sharable)
- Multimeter (sharable)
- Cutter (sharable)
- Laptop (for each student)
- USB type B cable (for each student)
- Magnifying lens (sharable)
- Tweezers (for each student)