

**Parts List for the PicoMite Keyer, 24-June** (pcb date: 10/31/2022)

Ref. Designator	QTY.	DESCRIPTION	Mouser Part No.
C1, C3, C8,C10,C11	5	0.1 uF, 0.1" lead spacing (L.S.)	594-K104K10X7RF5UL2
C2,C12	2	10 uF 16V, 0.1" L.S.	710-860010372001
C4-C7, C9	5	.01 uF, 0,1" L.S.	594-K103K10X7RF5UL2
D1,D7	2	Diode	512-1N4148
D2-D5	4	Green LED, T-1 pkg	710-151031VS04000
D6	1	Red LED, T-1 pkg	710-151033RS03000
J1	1	2.0/5.7mm jack, PC-mount	PJ-059A
J2-J4	3	3.5mm jack, PC-mount	490-SJ1-3523N
--	1	DIP-8 Socket	649-DILB8P223TLF
--	2	header-strip, 20-pin	649-68002-420HLF
Q1	1	2N7000, through-hole	512-2N7000BU
R1	1	10K pot, linear taper	858-P160KN-OQC17B10K
R2-R6, <b>R12, R13</b>	<b>7</b>	220 ohm 1/6W	CFR-12JT-52-220R
R7-R11, <b>R14</b>	<b>6</b>	10K ohm 1/6W	603-CFR-12JT-52-10K
SW1-SW5	5	Tactile Switch, 12x12mm	710-430172085816
--	4	Rubber bumpers	517-SJ-5076-BLACK
U1	1	78L05 Regulator, TO-92	863-MC78L05ABPREG
U2	1	MCP6281, DIP-8	579-MCP6281-E/P
--	1	PicoMite Computer	358-SC0915
--	1	2-pin header	571-4-103327-4
--	1	2-pin jumper	523-G89011020023DEU

**Miscellaneous:**

- 1) **USB-A to USB-Micro adapter cable:** 'Smartphone charging cord'. Walmart has these.
- 2) **"Socket Strips" for Mounting the Pico & Shields:** It's advisable to use single-row "strip sockets" on the pcb for plugging in the Pico microcontroller. Makes it easy to replace the Pico in the future should it be necessary. These strip sockets are also used on the shields to mount onto the Pico. You can get these 1x20 position SIP sockets at ...  
<https://www.adafruit.com/product/5585>
- 3) **"Pinheaders" for Mounting the Pico:** For the same reason as above, you can find strips of double-long pinheaders that should be soldered to your Pico controller so it can be plugged into the PMK pcb when the sockets are used. Why "double-long"? So you can plug shields on top of the Pico later on if desired. See photos on the web page showing this.  
<https://www.adafruit.com/product/400>
- 4) **Blank PC board:** for the PicoMite Memory Keyer is available from ...  
<https://midnightdesignsolutions.com/pmk/>