

Part	Reference	Qty	Type	Value	Link	Image
RaspberryPi Pico	A1	1	You want the board that has 3 Analog pins (GP26, GP27 & GP28)		Link	
Capacitor	C7	1	Polypropylene	10nf	Link	
	C1,C2,C4	3		100nf	Link	
	C3,C5,C6	3	Electrolytic	100uf	Link	
	C9	1		1000uf	Link	
Potentiometer	Cutoff1, Delay1, Resonance1	3	9mm verticle	10K	Link	
	level1	1		50K	Link	
Audio Jack Socket	J1, J2	2	PJ-301M / PJ301M	3.5mm	Link	
JST Connector	J3	1	PH 2.0MM XH 2.54MM JST 2Pin	2 pin	Link	
Resistor	R1	1	Metal Film	3.3K	Link	
	R3	1		10K	Link	
Switch	SW1,SW2,SW3,SW4,SW5,SW6,SW7,SW8,SW9,SW10,SW11,SW12,SW13,SW14,SW15,SW16	16	Cherry MX		Link	
		16	Cherry Keycaps		Link	
	SW17,SW18	2	Toggle switch	MTS_102	Link	
TFT Screen 2.8"	U1	1	ILI9341		Link	
Spacers			M2 assorted - Nylon		Link	
Screws			M2 - Hex Head	Black 2500P	Link	
POWER 5V - PARTS REQUIRED						
Mobile or 18650 battery		1	EB494358VU	3.7V	Link	
USB C Socket		1	Type-C USB Jack 3.1 Type-C 2Pin/4Pin		Link	
Voltage Regulator		1	DC-DC Boost Step Up Converter		Link	
Charging Module		1	TP4056		Link	
Header Pins Short Profile		1	7P	2.54mm PH5	Link	
Header Pins - female		2	20P		Link	