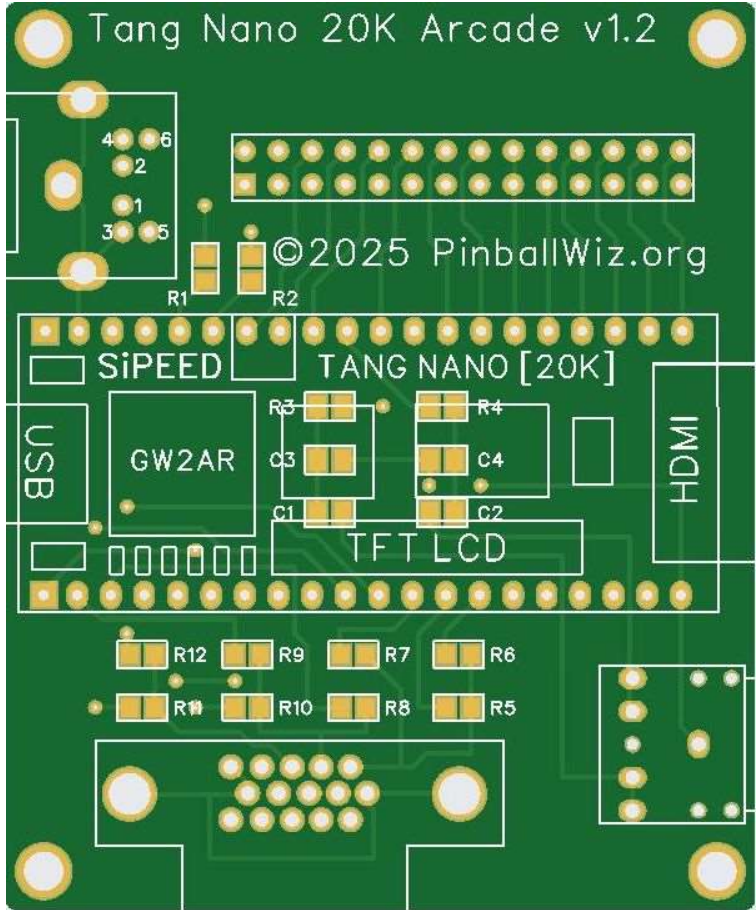


### Tang Nano 20K Arcade Board



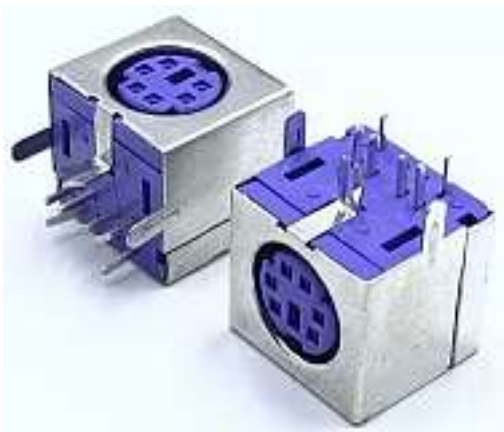
- 8 Bit VGA
- PS2 Keyboard
- 2 Channel Audio



Parts List	
<p>Tang Nano 20K Arcade PCB</p> <p>1 ea</p>	

Resistors	
R1, R2, R6, R8, R12	510 ohm – 0805 smd resistor
R5, R9, R11	1K ohm – 0805 smd resistor
R3, R4, R7, R10	2K ohm – 0805 smd resistor

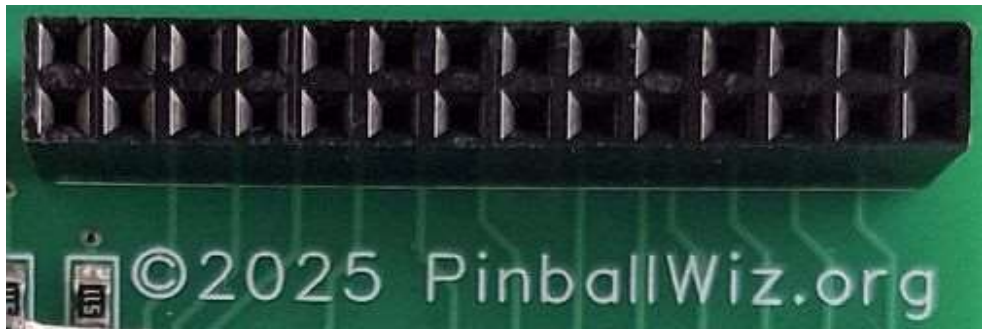
Capacitors	
C1, C2	4.7 uF – 0805 smd capacitor
C3, C4	10 nF – 0805 smd capacitor

Assorted Parts	
<p>2 x 14 (28 Pin) Female Pin Header 2.54mm pitch</p> <p>1 ea</p>	
<p>1 x 40 Pin Female Pin Header 2.54mm pitch</p> <p>2 ea</p>	
<p>PS2 Key Board Socket 6 Pin</p> <p>1 ea</p>	

Assorted Parts	
VGA DB15 Female 90 Degree PCB Mount  1 ea	
3.5mm Stereo Jack Audio  1 ea	

Suppliers	
PCB Manufacturing	jlcpb.com
All Other Parts	aliexpress.com

## 28 pin Header – Tang Nano 20K Pinout Details



5v	Gnd	56	54	51	55	86	79	Gnd	3v	72	71	53	52
5v	Gnd	76	80	85	77	15	16	Gnd	3v	17	20	19	18

## Tang Nano 20K Arcade Pinout Map

VGA	Pin
R2	31
R1	30
R0	29
G2	75
G1	74
G0	73
B1	26
B0	25
HS	28
VS	27

Audio	Pin
L	49
R	48

Keyboard	Pin
PS2 Clock	41
PS2 Data	42