Tang Nano 9K Arcade Board
• 8 Bit VGA • PS2 Keyboard • 2 Channel Audio
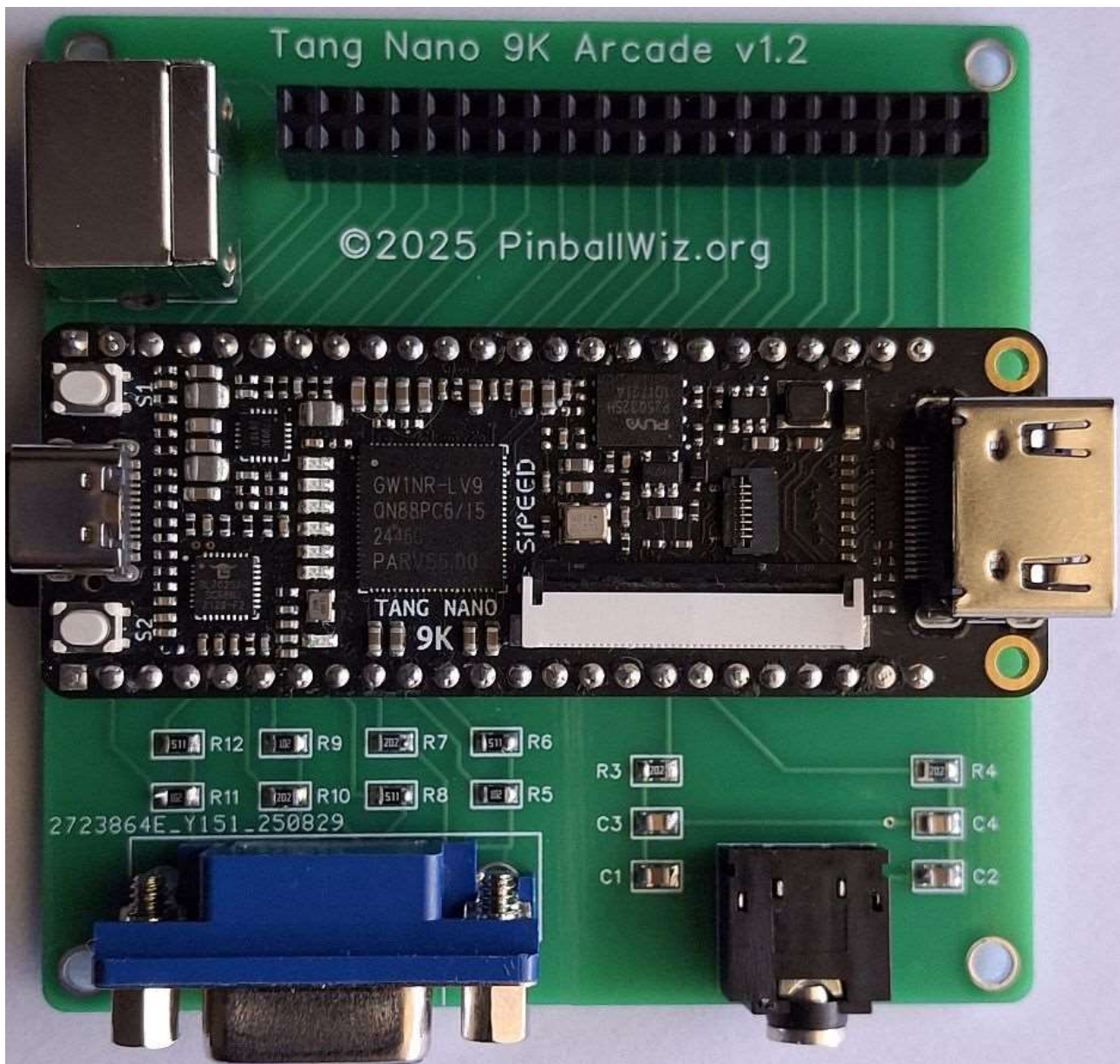
Parts List

Tang Nano 9K Arcade PCB	
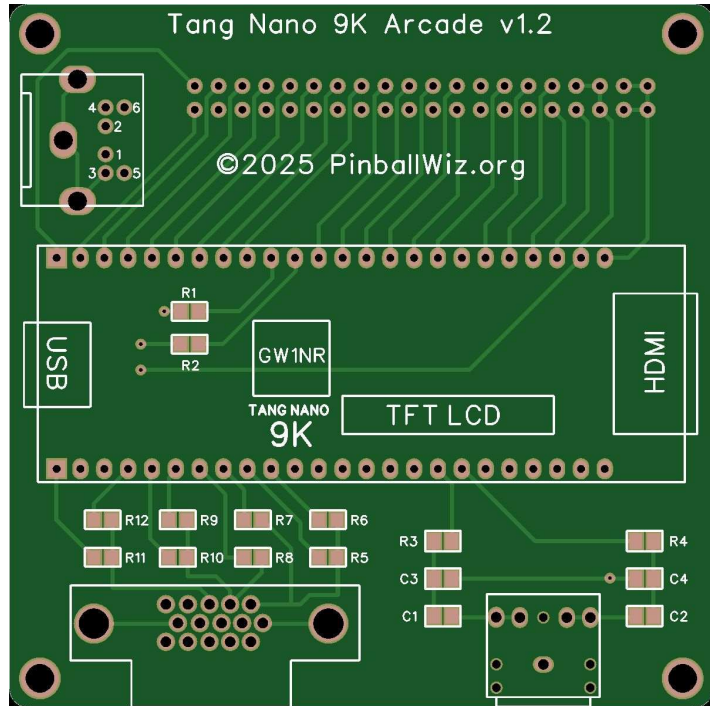
Resistors

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	
2 x 20 Female Pin Header 2.54mm pitch	
1 x 40 Female Pin Header 2.54mm pitch	
PS2 Key Board Socket 6 Pin	

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

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

Tang Nano 9K Arcade – PinballWiz.org

40 pin Header – Tang Nano 9K Pinout Details

63	85	84	83	82	81	80	79	75	74	73	72	5v	70	48	49	Gnd	Gnd	3v	3v
86	33	34	40	35	41	42	54	55	56	57	71	5v	68	69	31	32	Gnd	3v	3v

Tang Nano Arcade Pinout Map

VGA	Pin
R2	30
R1	29
R0	28
G2	27
G1	26
G0	25
B1	39
B0	38
HS	37
VS	36

Audio	Pin
L	51
R	53

Keyboard	Pin
PS2 Clock	76
PS2 Data	77