EBAZ 4205 Arcade Board
• 8 Bit VGA • PS2 Keyboard • 2 Channel Audio

* note pictured above is pcb version 1.2 – current pcb version is 1.3 featuring some minor updates.

Parts List
EBAZ Arcade PCB 1 ea

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 14 (28 Pin) Female Pin Header 2.54mm pitch 1 ea	
2 x 10 (20 Pin) Female Pin Header Right Angle Mount 2.00mm pitch 3 ea	
Tactile momentary 2pin PCB Mount push button Switch 1 ea	
3pin DC Power Connector PCB Mount 1 ea	
PS2 Key Board Socket 6 Pin 1 ea	
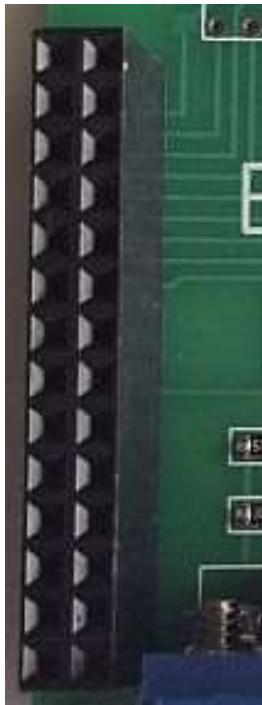
Assorted Parts	
VGA DB15 Female 90 Degree PCB Mount 1 ea	
3.5mm Stereo Jack Audio 1 ea	

5V DC Max Power Supply	
Suitable DC Power Supply 5V DC Max 1 ea	

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

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28 pin Arcade Header – EBAZ 4205 Pinout Details

F19	Gnd
U19	V20
T19	U20
T20	P19
R19	R18
P20	N17
M17	P18
N20	M19
L17	M20
L20	M18
L19	L16
J20	K19
K18	J19
G19	H20

EBAZ 4205 Arcade Pinout Map

VGA	Pin
R2	H17
R1	D20
R0	D18
G2	H18
G1	F20
G0	D19
B1	E19
B0	K17
HS	J18
VS	G20

Audio	Pin
L	C20
R	B20

Keyboard	Pin
PS2 Clock	H16
PS2 Data	B19

Reset Button
A20

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* EBAZ Arcade connected to EBAZ 4205 ZYNQ 7010 FPGA – note optional LED Strip addon installed on arcade header.
 *IMPORTANT NOTE – Only a 5V DC Max Power Supply is to be used to supply power to both EBAZ and PS2 Keyboard.