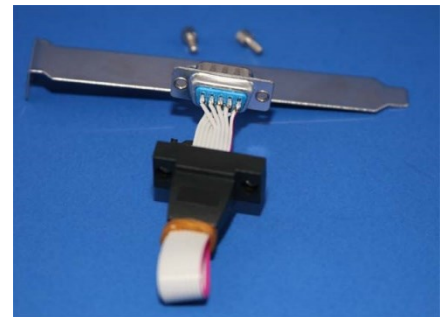
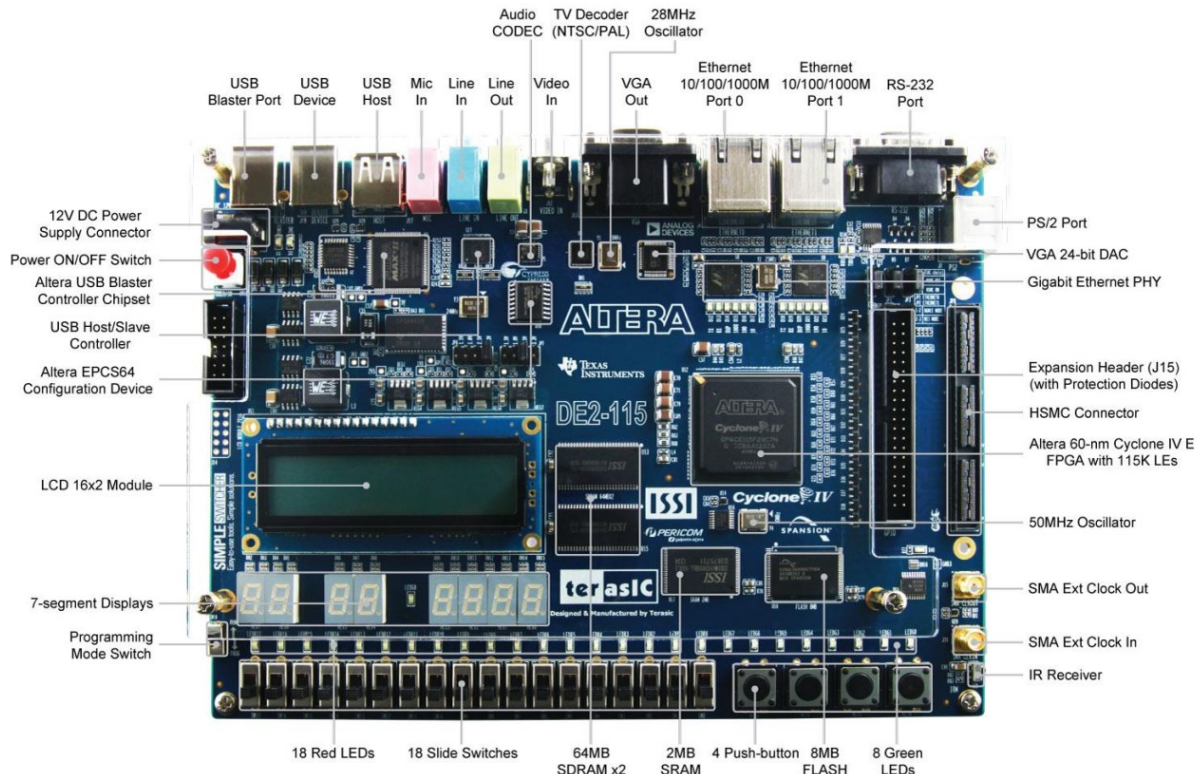
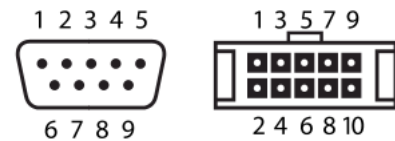
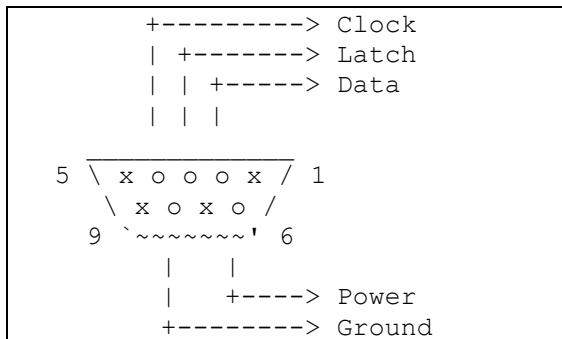


(CLONE) NES GAMEPAD NA DE2-115



Pinout for NES clone (db9) gamepads



DB-9	IDC-10
pin 1	pin 1
pin 2	pin 2
pin 3	pin 3
pin 4	pin 4
pin 5	pin 5
pin 6	pin 6
pin 7	pin 7
pin 8	pin 8
pin 9	pin 9
NC	pin 10

*NC= Not Connected

JOY1

IDC10/DB9 → GPIO @de2-115
2-DATA → GPIO_27 (AE24)
3-LATCH → GPIO_29 (AF26)
4-CLOCK → GPIO_31 (AG23)
6-VCC → 3V3
8-GND → GND

JOY2

IDC10/DB9 → GPIO @de2-115
2-DATA → GPIO_33 (AH26)
3-LATCH → GPIO_35 (AG26)
4-CLOCK → GPIO_34 (AH23)
6-VCC → 3V3
8-GND → GND

ZX KEYB

8-pin con → GPIO_11-GPIO_25 (right/odd)
5-pin con → GPIO_1-GPIO_9 (right/odd)

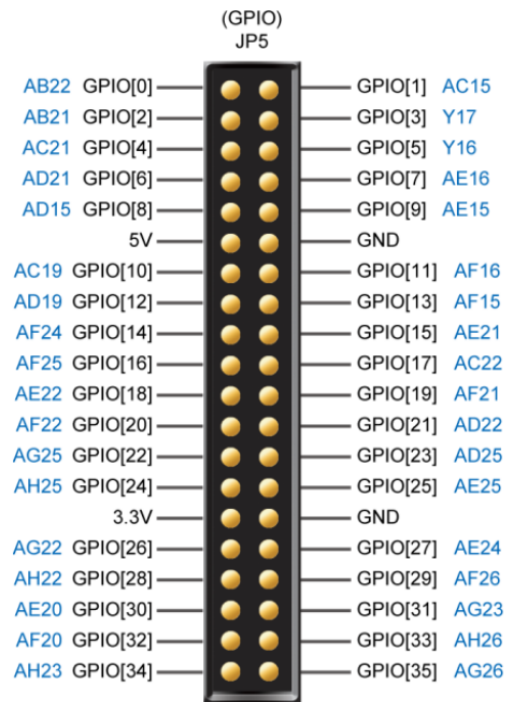
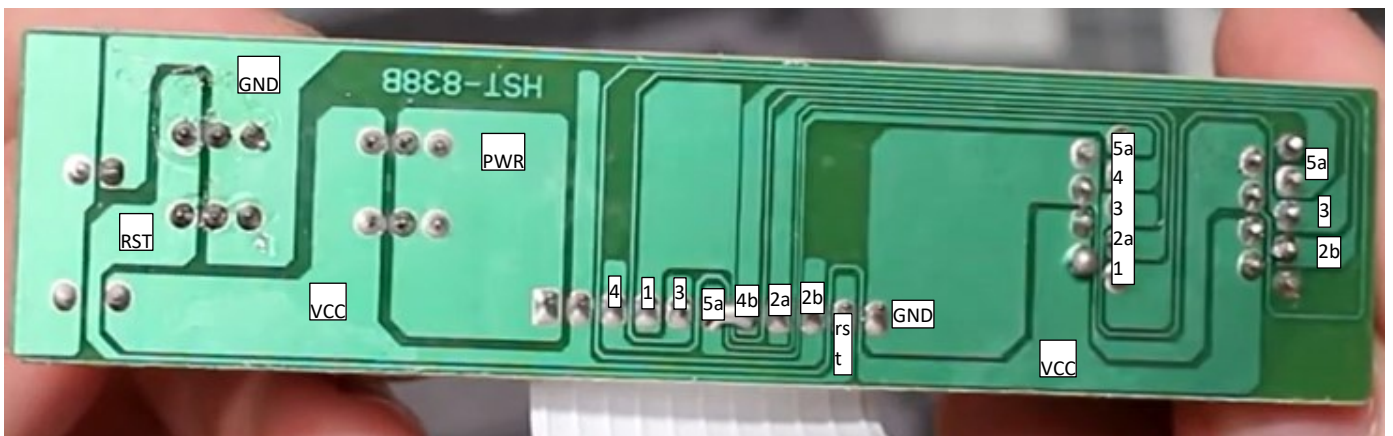


Figure 4-15 GPIO Pin Arrangement

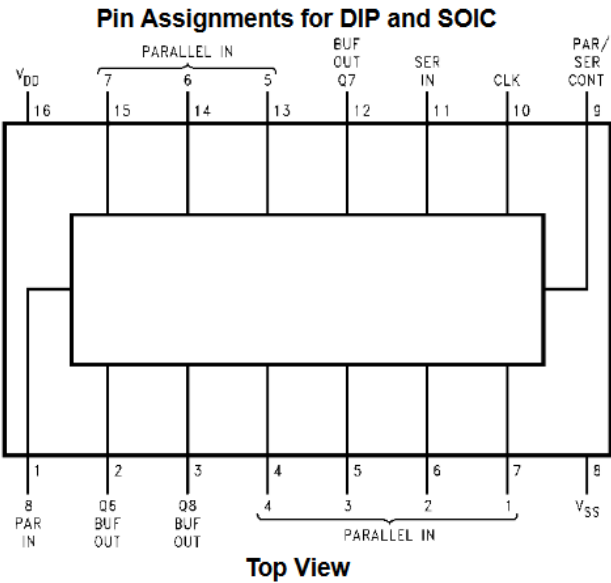
Reverse engineering à placa da consola NES clonada - onde ligam estes comandos



Order Number	Order Code	Package Description
CD4021BCM	M16A	16-Lead Small Outline Integrated Circuit (SOIC), JEDEC MS-012, 0.150" Narrow Body
CD4021BCN	N16E	16-Lead Plastic Dual-In-Line Package (PDIP), JEDEC MS-001, 0.300" Wide

Devices also available in Tape and Reel. Specify by appending the suffix letter "X" to the ordering code.

Connection Diagram



Truth Table

CL (Note 1)	Serial Input	Parallel/ Serial Control	PI 1	PI n	Q1 (Internal)	Q _n (Note 2)
X	X	1	0	0	0	0
X	X	1	0	1	0	1
X	X	1	1	0	1	0
X	X	1	1	1	1	1
↗	0	0	X	X	0	Q _{n-1}
↘	1	0	X	X	1	Q _{n-1}
⌋	X	0	X	X	Q1	Q _n

X = Don't care case

Note 1: Level change

Note 2: No change

REFs:

<https://pt.aliexpress.com/item/32919127872.html>

<https://assets.nexperia.com/documents/data-sheet/HEF4021B.pdf>