Important Assembly notes!

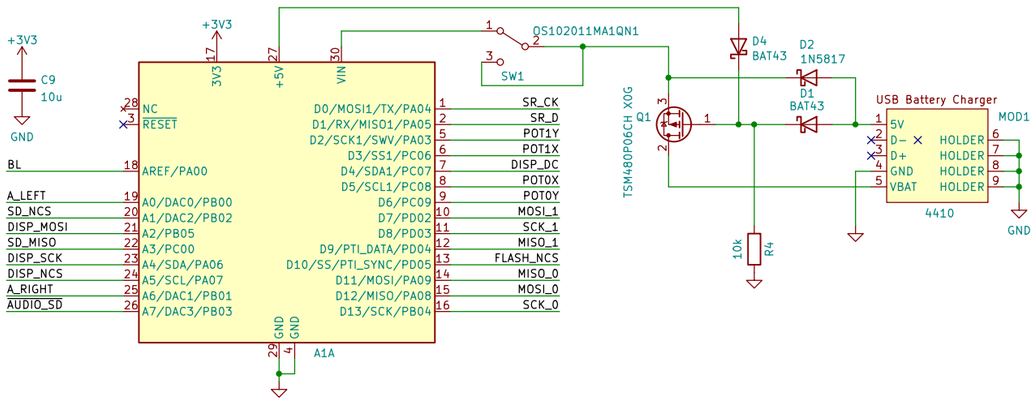
- VIN jumper shall be shorted in the Community Preview Board!
- AREF jumper shall be shorted if you want to support later PWM on display backlight!

See article on next-hack.com for more info!

The Gamepad

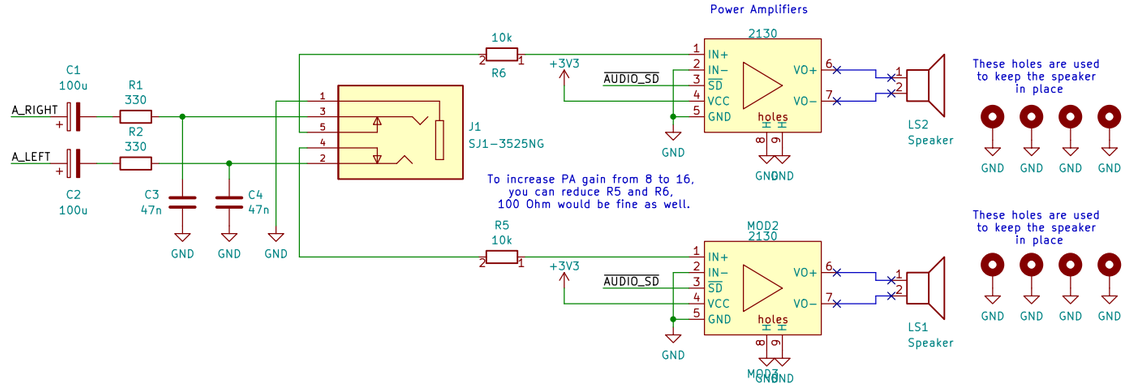
An open-source handheld game console based on the Arduino Nano Matter Board

Arduino Nano Matter Board + Power Switch + Battery Charger

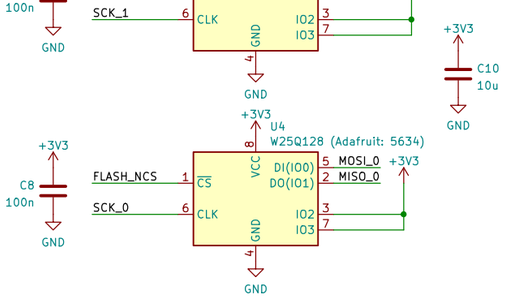


open hardware

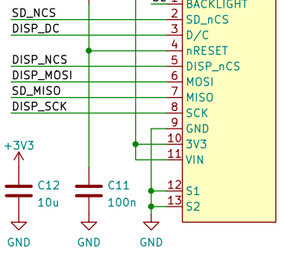
Audio (Jack + Power Amplifiers)



Dual Flash Bank



Display Board

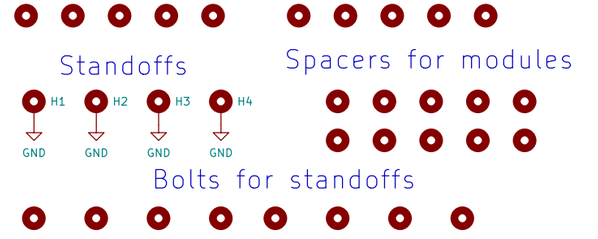


Sockets and Battery

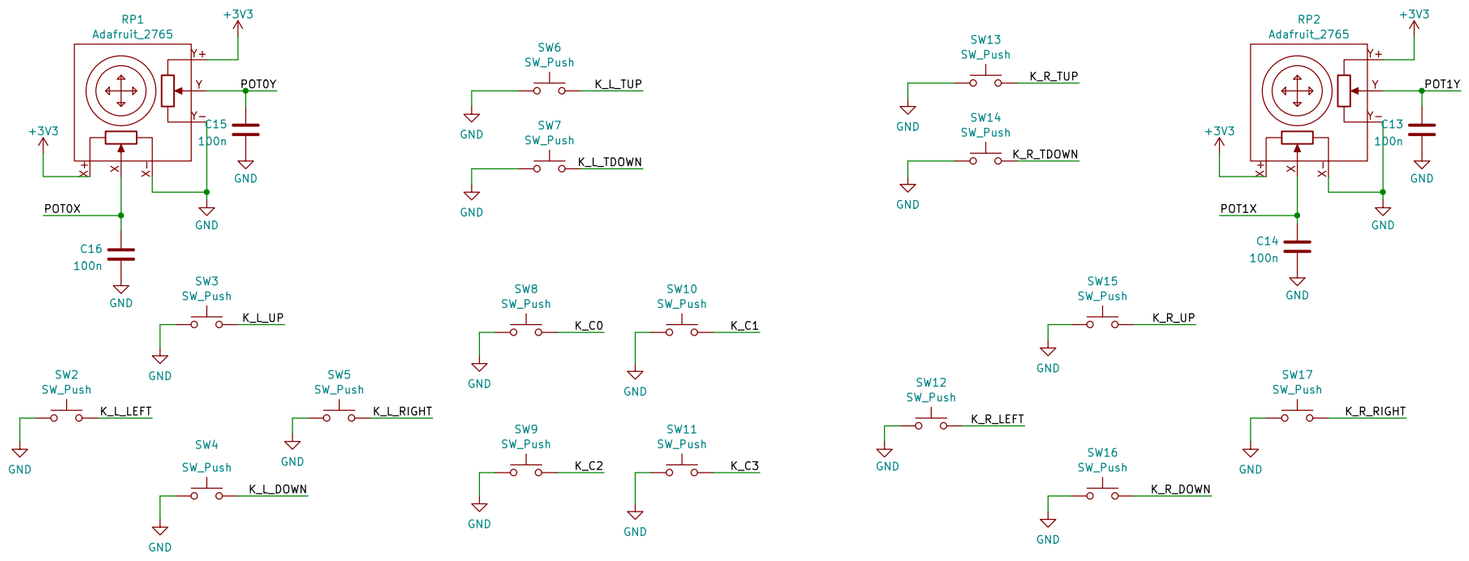
BOM PART	M15	SOCKET 5 PIN for Audio PA
BOM PART	M11	SOCKET 11 PIN for display
BOM PART	M13	SOCKET 5 PIN for Audio PA
BOM PART	M1	DIP SOCKET 8 for Flash
BOM PART	M2	DIP SOCKET 8 for Flash
BOM PART	M3	DIP SOCKET 16 for 74HC165
BOM PART	M4	DIP SOCKET 16 for 74HC165
BOM PART	M5	HEADER 15 PIN for Matter Board
BOM PART	M6	HEADER 15 PIN for Matter Board
BOM PART	M7	SOCKET 15 PIN for Matter Board
BOM PART	M8	SOCKET 15 PIN for Matter Board
BOM PART	M9	HEADER 5 PIN for USB Charger
BOM PART	M10	SOCKET 5 PIN for USB Charger
BOM PART	M14	Heatshrink tube
BOM PART	M12	WIRE

BT1 Battery_Cell

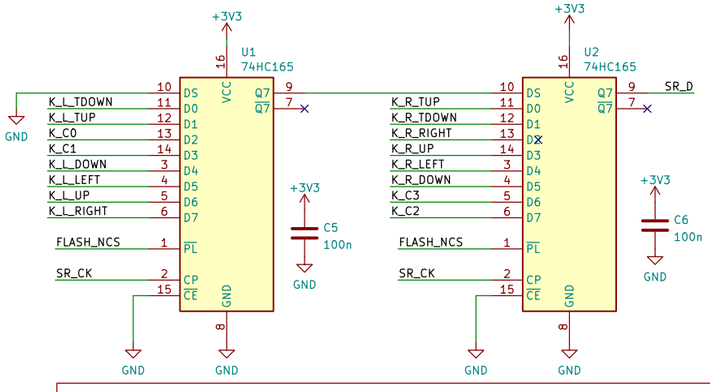
Mechanical Parts



Keypad and Analog Joysticks



Shift Registers for keys



Nicola Wrachien

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Title: The Gamepad

Size: A3	Date: 2023-12-05	**Rev: 1.0**
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