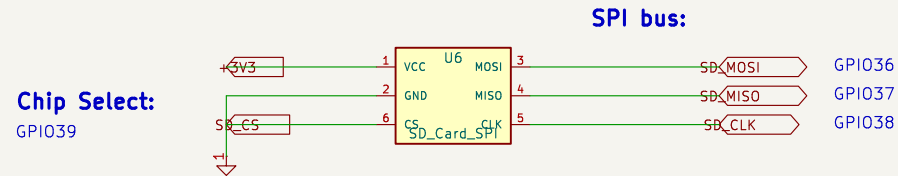


STORAGE – Micro SD Card

SPI interface for ROM storage (SNES ROMs up to 6MB)



Design Notes:

- SPI bus @ up to 40MHz (ESP32–S3 max for SD)
- SNES ROMs: 256KB to 6MB typical (HiROM/LorOM)
- FAT32 filesystem for easy ROM management via PC
- 3.3V logic: no level shifter needed (module has built-in)
- GPIO36–39 grouped for clean SPI trace routing on PCB

Generated by scripts/generate_schematics
ESP32 Emu Turbo – Handheld Retro Console

Sheet: /
File: 05-sd-card.kicad_sch

Title: Storage – SD Card SPI

Size: A4
KiCad E.D.A. 9.0.7

Date:

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Id: 5/1