



The LED indicates +3V power availability. Usually it's green, but you decide ;-)

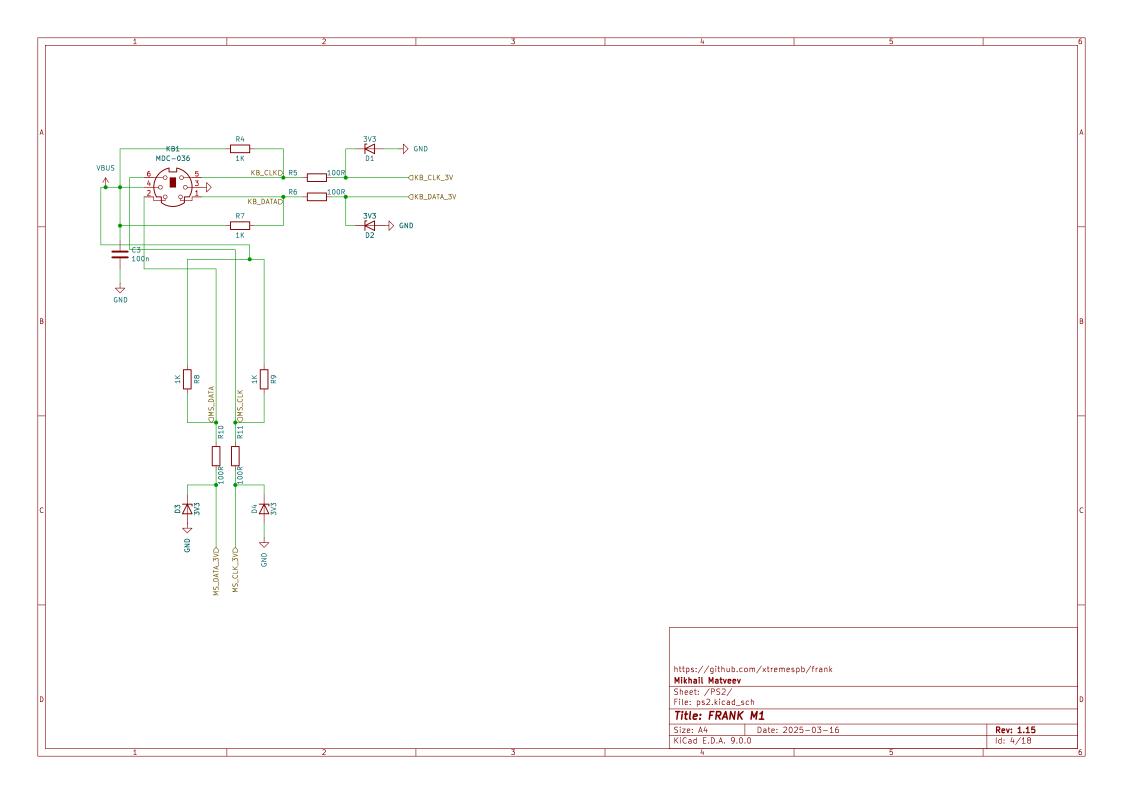
https://github.com/xtremespb/frank	

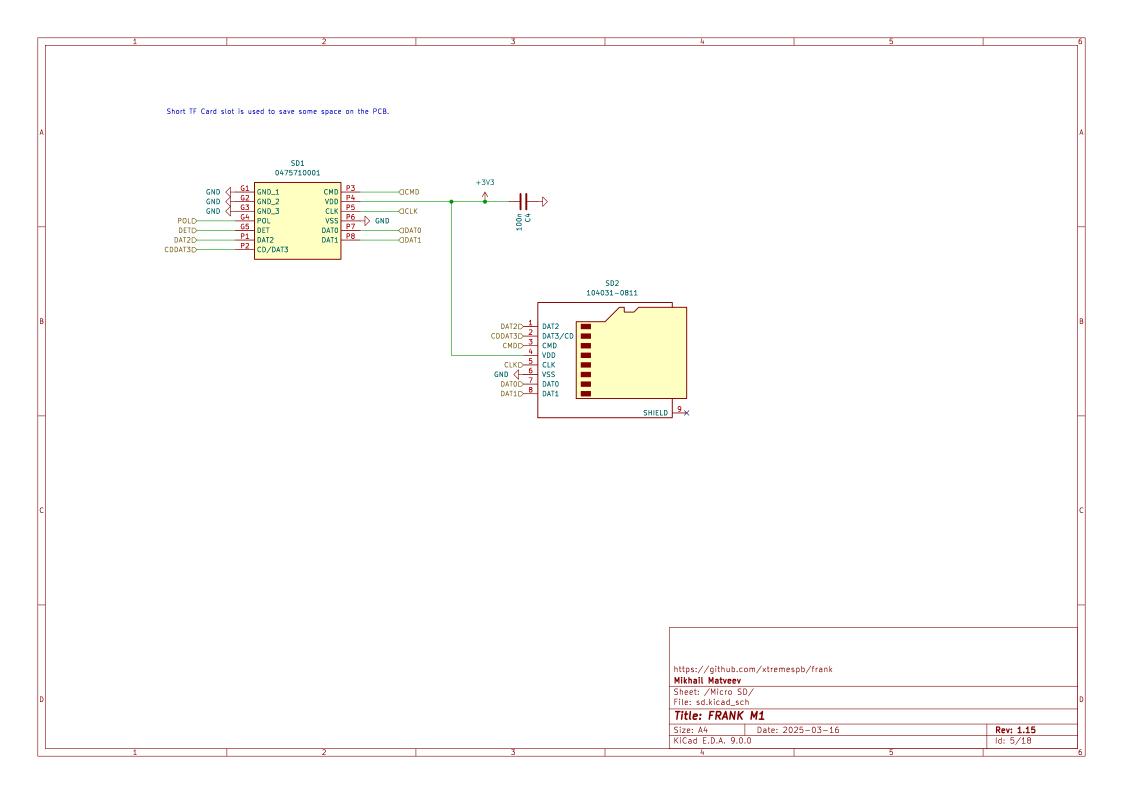
Mikhail Matveev

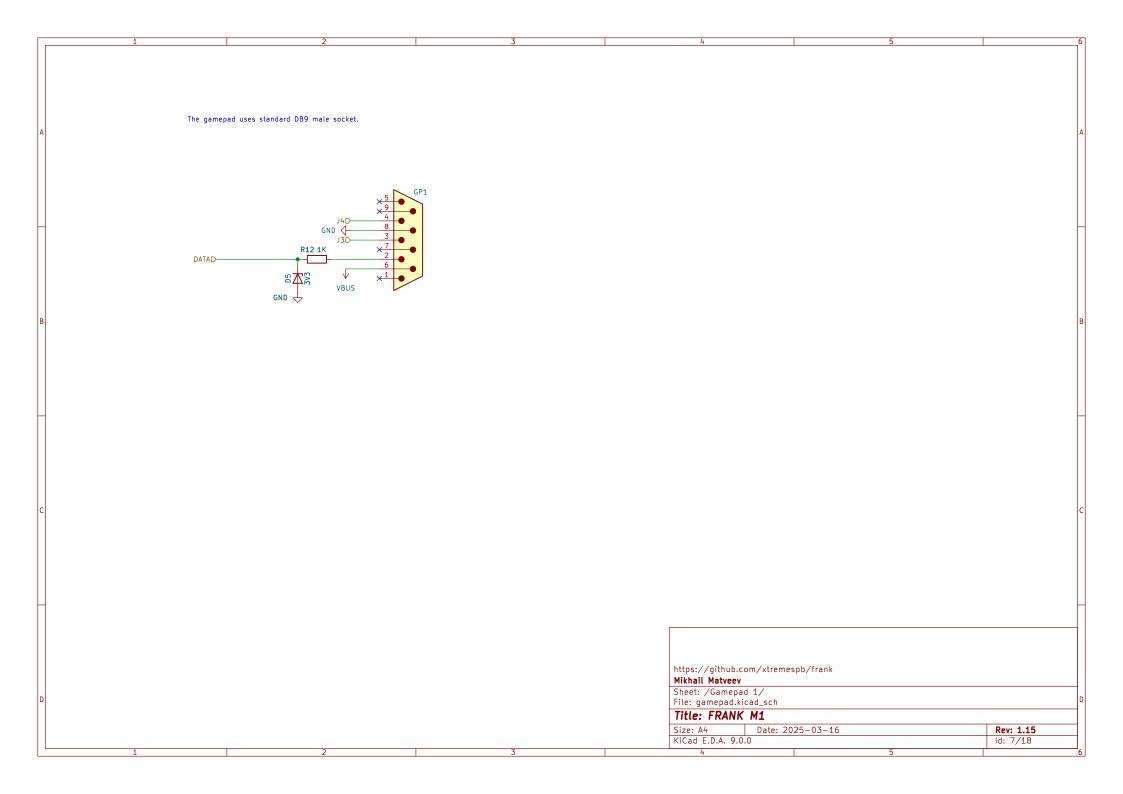
Sheet: /Power/ File: power.kicad_sch

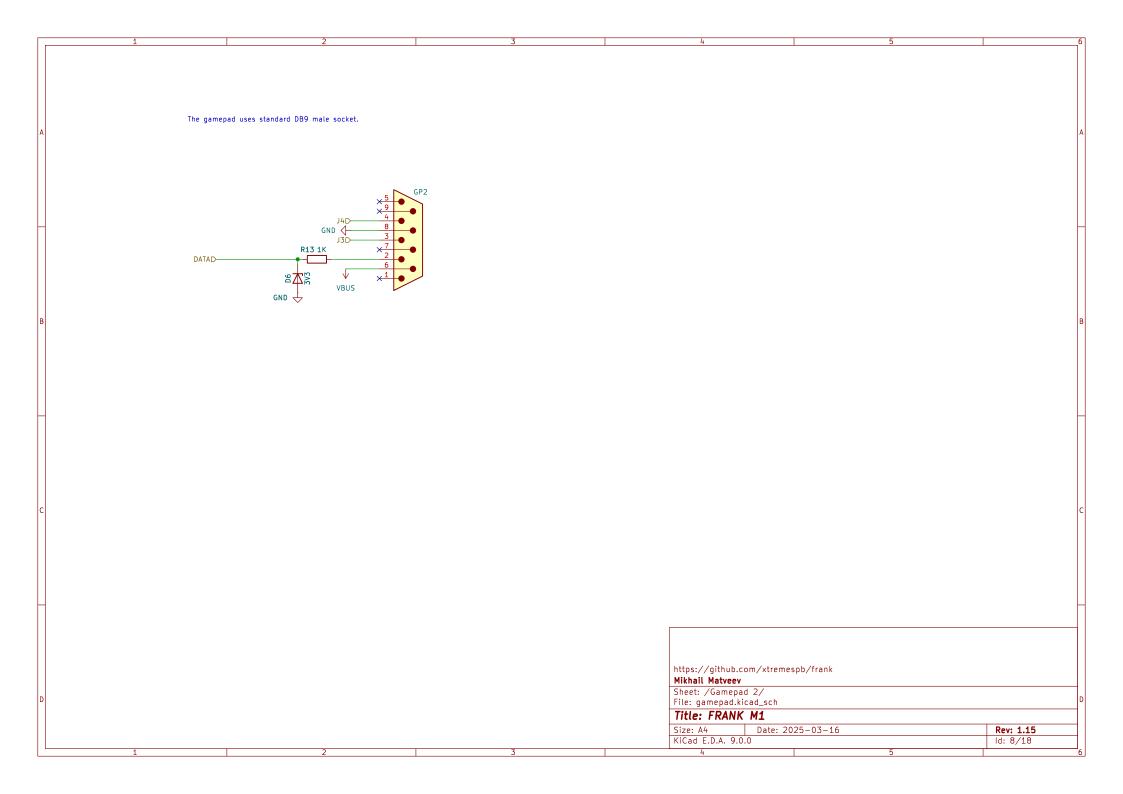
Title: FRANK M1

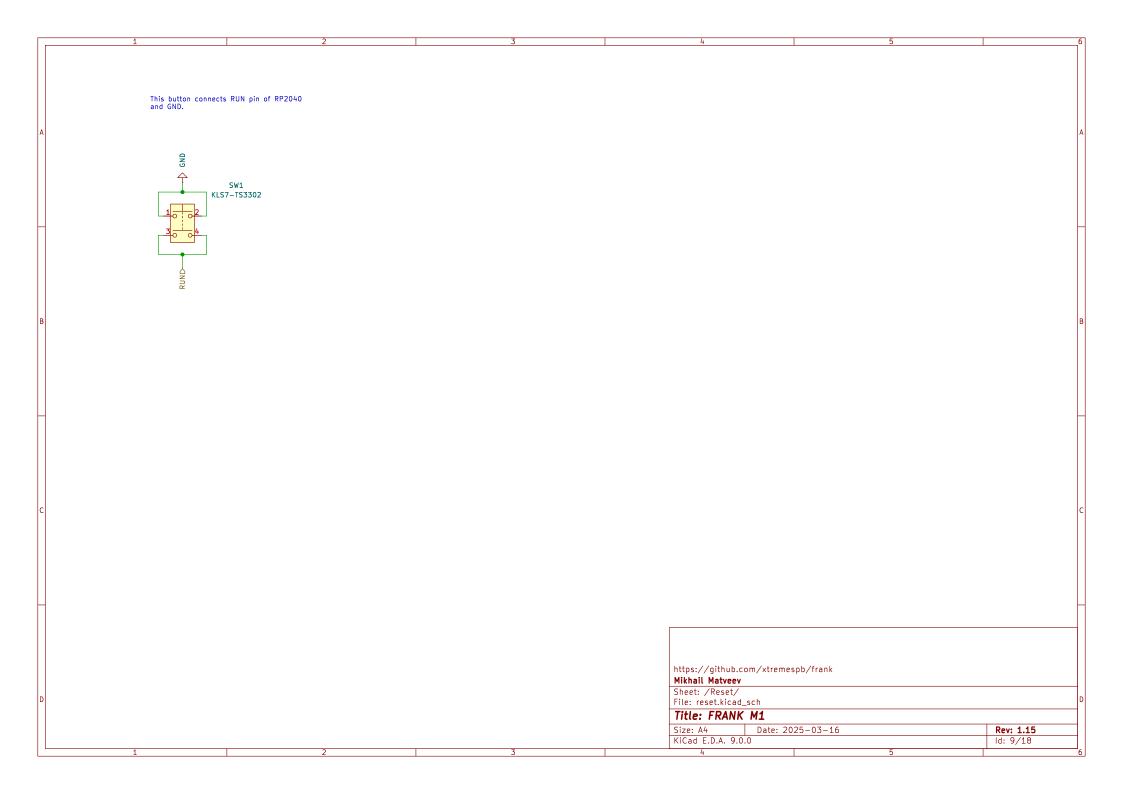
Size: A4 Date: 2025-03-16 Rev: 1.15 KiCad E.D.A. 9.0.0 ld: 3/18



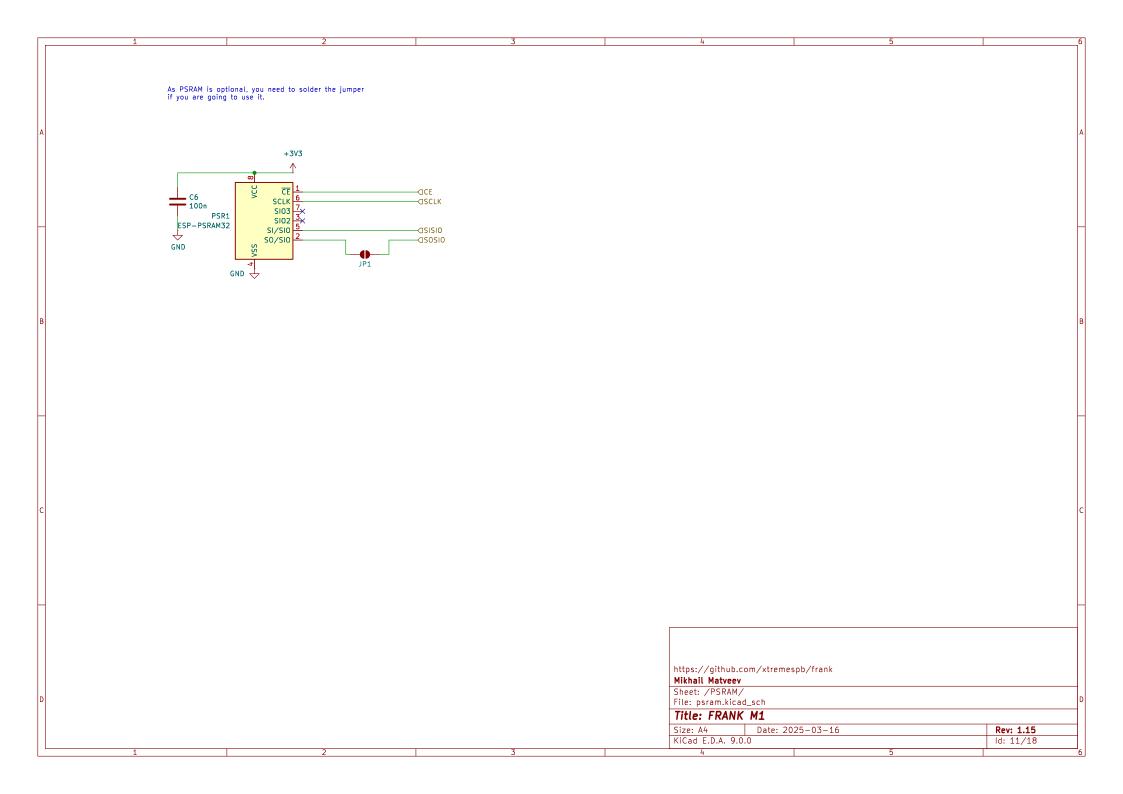


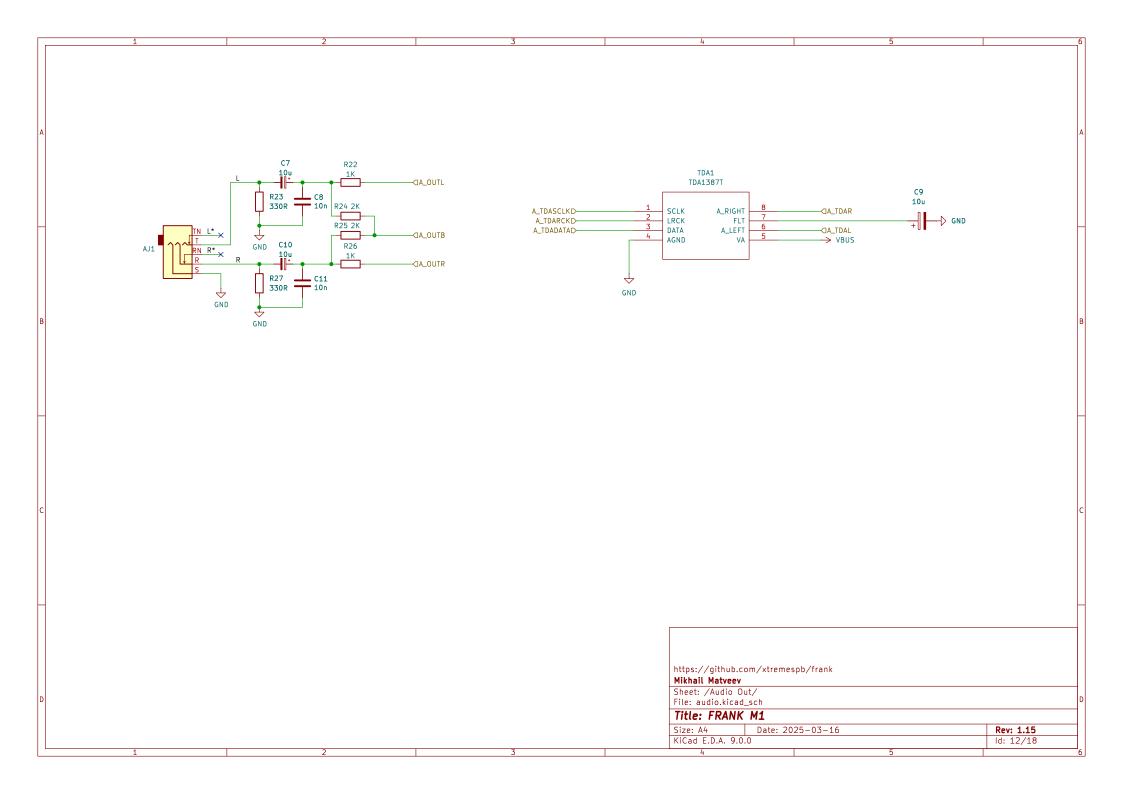






HDMI video output requires the resistors to be close to the HDMI socket in order to work properly. SHIELD4 SHIELD3 SHIELD2 SHIELD1 ABnz R CEC HDMI1 CLKN -□CLKN 11 10 9 DC3RX19JA2 G_CLK CLKP -CLKP 270R DON G_DO ⊸D0N DOP -⊲D0P R18 270R D1N ⊸D1N G_D1 D1P ⊸OD1P D2N ⊸D2N G_D2 R21 270R D2P -⊲D2P GND https://github.com/xtremespb/frank Mikhail Matveev Sheet: /HDMI/ File: hdmi.kicad_sch Title: FRANK M1 Size: A4 Date: 2025-03-16 Rev: 1.15 KiCad E.D.A. 9.0.0 ld: 10/18





This schematics is used to load data from external audio source, e.g. tape. +3V3 C12 = 100n R28 10K R29 1K D7 1N4148 R30 U GND 10K Q1 BC850 SJ1-353XNG R31 —□LOAD_IN 10K C13 BC850 100n R32 100R GND GND GND https://github.com/xtremespb/frank Mikhail Matveev Sheet: /Tape In/ File: tape.kicad_sch Title: FRANK M1 Size: A4 Date: 2025-03-16 Rev: 1.15 KiCad E.D.A. 9.0.0 ld: 12/18

