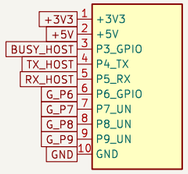
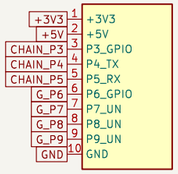
CONNECTORS

J1



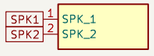
U IN

J2



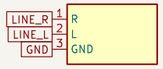
U CHAIN

J3



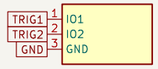
SPEAKER 8R

J4



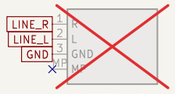
LINE OUT

J5



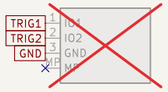
TRIGGERS

J14



J4 STEMMA PH

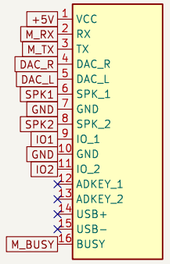
J15



J5 STEMMA PH

INTEGRATED CIRCUITS AND MODULES

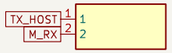
U1



DFPlayer Mini (DFR0299)

PASSIVES AND INDICATORS

R1



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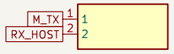
R2



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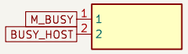
R3



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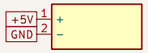
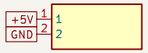
C1



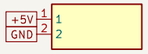
220uF 10V

C2



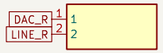
10uF 10V X5R

C3



100nF 16V X7R

R4



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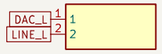
R5



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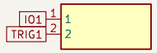
R6



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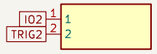
R7



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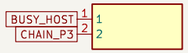
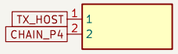
SOLDER LINKS

JP3



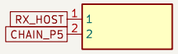
CHAIN P3 OPEN

JP4



CHAIN P4 OPEN

JP5



CHAIN P5 OPEN

TEST PADS

TP1



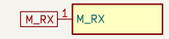
+5V

TP2



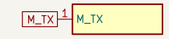
GND

TP3



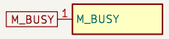
M_RX

TP4



M_TX

TP5



M_BUSY

SPK1 and SPK2 are a bridged output; neither is ground.

Open hardware
License: CERN-OHL-S-2.0
Smoothieware extension boards
Sheet: /
File: sd-audio-player.kicad_sch

Title: SD Audio Player

Size: User	Date: 2026-11-26	**Rev: v01**
KiCad E.D.A. 9.0.8		Id: 1/1