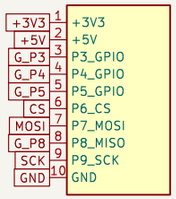
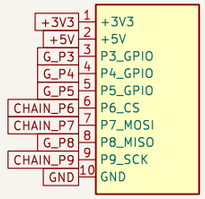
CONNECTORS

J1



S IN

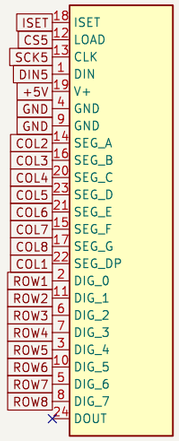
J2



S CHAIN

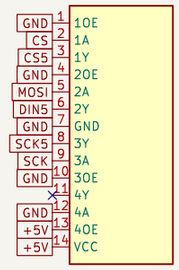
INTEGRATED CIRCUITS AND MODULES

U1



MAX7219

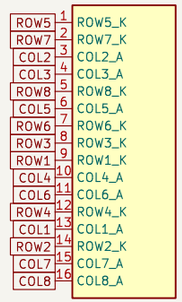
U2



SN74AHCT125DR

SENSORS AND TRANSDUCERS

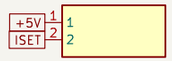
DS1



1088AS RED 8x8

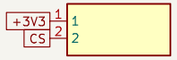
PASSIVES AND INDICATORS

R1



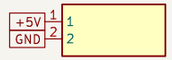
28k 1%

R2



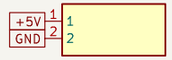
10k

C1



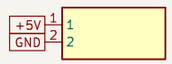
100nF 16V X7R

C2



10uF 10V X5R

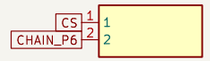
C3



100nF 16V X7R

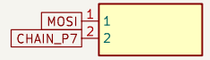
SOLDER LINKS

JP6



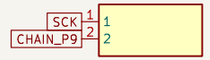
CHAIN P6 OPEN

JP7



CHAIN P7 BRIDGED

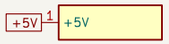
JP9



CHAIN P9 BRIDGED

TEST PADS

TP1



+5V

TP2



GND

TP3



CS5

TP4



DIN5

TP5



SCK5

ISET resistor sets about 20 mA peak per column.

Open hardware
License: CERN-OHL-S-2.0

Smoothieware extension boards

Sheet: /
File: led-matrix-8x8.kicad_sch

Title: 8x8 LED Matrix

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