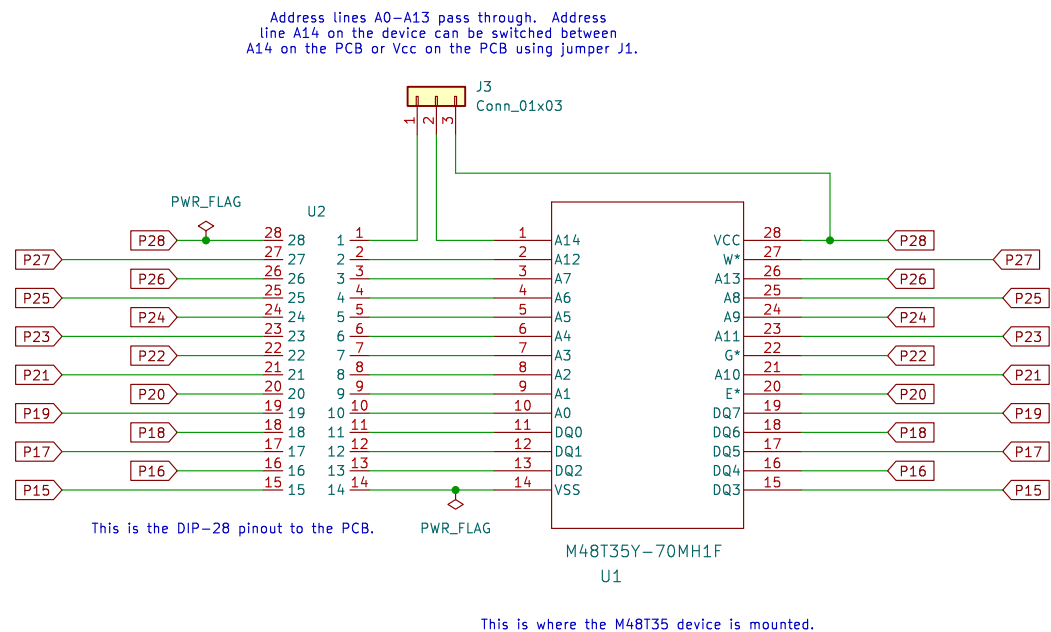# W1TKZ DS1643/4 Substitution Board

Our goal is to provide an adaptor that allows a M48T35 part to be used
in the socket where either a DS1643 (2K) or DS1644 (8K) part would have
been installed. So we're dealing with two things:
1. Mechanical conversion from DIP28 to SOH28
2. Switchable logical conversion of addressing so that the 2K-based
   software (i.e. S-COM 5K) addresses the "top quarter" of the 8K part.

Address lines A0-A13 pass through. Address
line A14 on the device can be switched between
A14 on the PCB or Vcc on the PCB using jumper J1.

J3
Conn_01x03

PWR_FLAG

U2

This is the DIP-28 pinout to the PCB.

PWR_FLAG

M48T35Y-70MH1F

U1

This is where the M48T35 device is mounted.

Sheet: /
File: ds1644-sub.kicad_sch

Title: DS1643/4 to M48T35 Adaptor Board

Size: USLetter	Date: 2024-04-13	Rev: 1
KiCad E.D.A. 8.0.1		Id: 1/1