J1 EXPSLOT

U2 GAL16V8

U4 Pico — Raspberry Pi

U1 74LVCH16T245DLR

U3 AMS1117-3.3

U5 W25Q01JVZE

U6 W25Q01JVZE

RN1 47k

1) Power can be supplied to USB port of Pico. The diodes make sure
the current from Pico USB port cannot flow into Apple.
2) The flash chips are powered by 3.3V from Pico so that
they can be accessed in Terminal mode.
3) A 3.3V regulator provides power to 5V-to-3.3V level shifter
to make sure the level shifter is powered when Pico is removed.