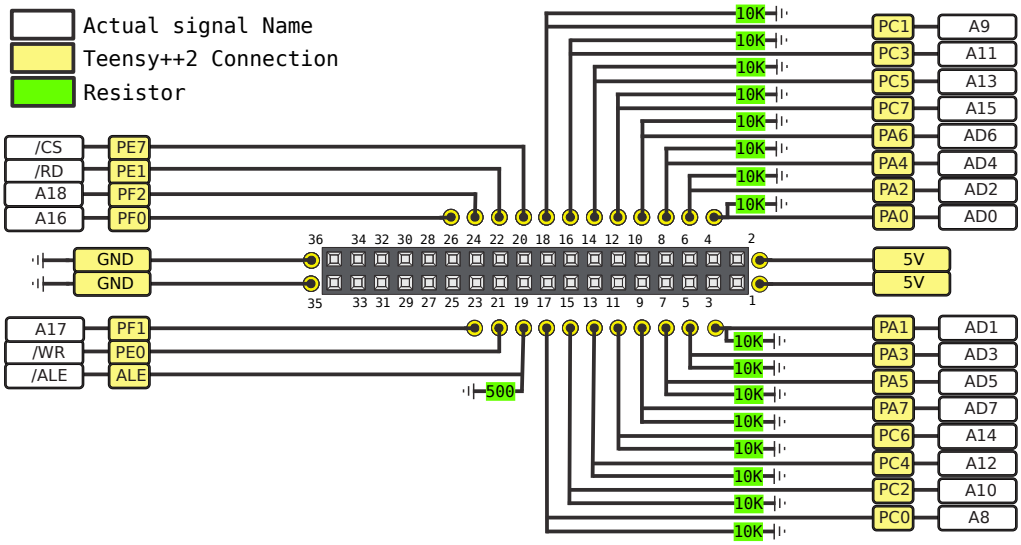
Teensy++2 to Rugged Circuits MegaRAM/QuadRAM adapter



Teensy++2.0: http://pjrc.com/store/teensypp.html
QuadRAM: http://ruggedcircuits.com/html/quadram.html

Tip 1:
Use caution and double check you have +5 and ground on the correct sides of the connector. If you do not, you will fry your QuadRAM.

Tip 2:
If you make a printed circuit board, you might not need any of the resistors. You should make pads just in case you do, however.

Tip 3:
Orient the teensy++2 and the QuadRAM in such a way that you can not plug it in the wrong way.

Tip 4:
All the resistors need to be wired as close as physically possible to the 36pin connector pins to drain any parasitic capacitance.
This includes the single 500 Ohm resistor.

Tip 5:
The 10K resistors I use are 9pin SIP bussed type, 10% tolerance. You can use 2 of these instead of 16 separate resistors.
The specific type I use is A09-103, or just “A 103” and are 9-pin. I recycle them from dead motherboards.
If you lack a dead motherboard containing these, you may also try 1K ohms as well, in fact any value between
1K ohms (A 102) and 10K ohms (A 103) is fine. Just make sure they are equal values.
Example: “A 472” is 4.7K. Usually the letter “A” indicates a bussed part.
If you do recycle them, be certain they are bussed, use your meter and check.
The 10% tolerance on these is also okay, and going with a more expensive one is not going to gain any performance.
Lacking any free sources for these, you may purchase them at the following web site:
http://www.sky-macau.com/Products/A09-series-C63/Resistor-Network-Bus-A09-103-103-10k-ohm-9-pin-P8436912506.html
At 25 cents US each this is very inexpensive.