Kit
1) EK-TM4C1294-XL (list $19.99 + $4.99 for headers)
2) One Twin industries TW-E40-1020 solderless breadboard
   Digikey: 438-1045-ND
   Allied Electronics: 237-0015
   Mouser: 589-TW-E40-1020
3) headers (soldered onto board so the combination fits into a solderless breadboard)
   Samtec 49 by 1, right angle pin headers
   TSW-149-09-L-S-RE and TSW-149-08-L-S-RA or
   TSW-149-09-F-S-RE and TSW-149-08-F-S-RA

Figure 1. Evaluation kit for the TM4C1294 microcontroller. The protoboard interface was built using Samtec TSW-149-09-L-S-RE and TSW-149-08-L-S-RA connectors.
Step 1. Plug the RA header into a breadboard

Step 2. Slip the EK-TM4C1294XL onto the RA header with the component side of the PCB being the same side as most of the RA header. Align the PCB so it fits into the center of the breadboard. The PCB should be 90 degrees from the breadboard. Solder the 49 pins of the RA header to the PCB.
Step 3. Remove the RA-PCB combination from the breadboard

Step 4. Insert the RE header on the other side from the RE header, and insert the combination into the breadboard. (The PCB should still be aligned into the center of the breadboard, and the PCB should still be 90 degrees from the breadboard, as achieved in step 2).
Step 5. Solder the 49 pins of the RE header to the PCB.

Step 6. **PRINT THIS PAGE AT 100% SCALE.** Cut out this outline and place the paper between the pins and the protoboard (bold italics mean this pin has hardware connections on the board). *Only use the 'backwards version if you reversed the board at step 2.*