Assembly Guide for ADC

The ADC takes an analog voltage input and outputs 8 pins high or low to produce an 8-bit number.

Break the male pin header from the ADC Breakout kit into two 10-pin segments and one 3-pin segment. The PCB can be used to help measure and break the header pins.

Insert two 10x1 male pin header into the ADC breakout board, so that the board stands on the header pins. Install the pins on the same side as the surface mount components. Solder the header pins in place. Insert a 3x1 male pin header into the remaining holes in the PCB and solder them in place.
With the pin headers installed, all you need to do is install the shorting jumpers. Your kit should come with three of them. Install them as follows:

- on the 3 consecutive pins, connect the pins above WR-RD
- between 5V and VREF+
- between GND and VREF-