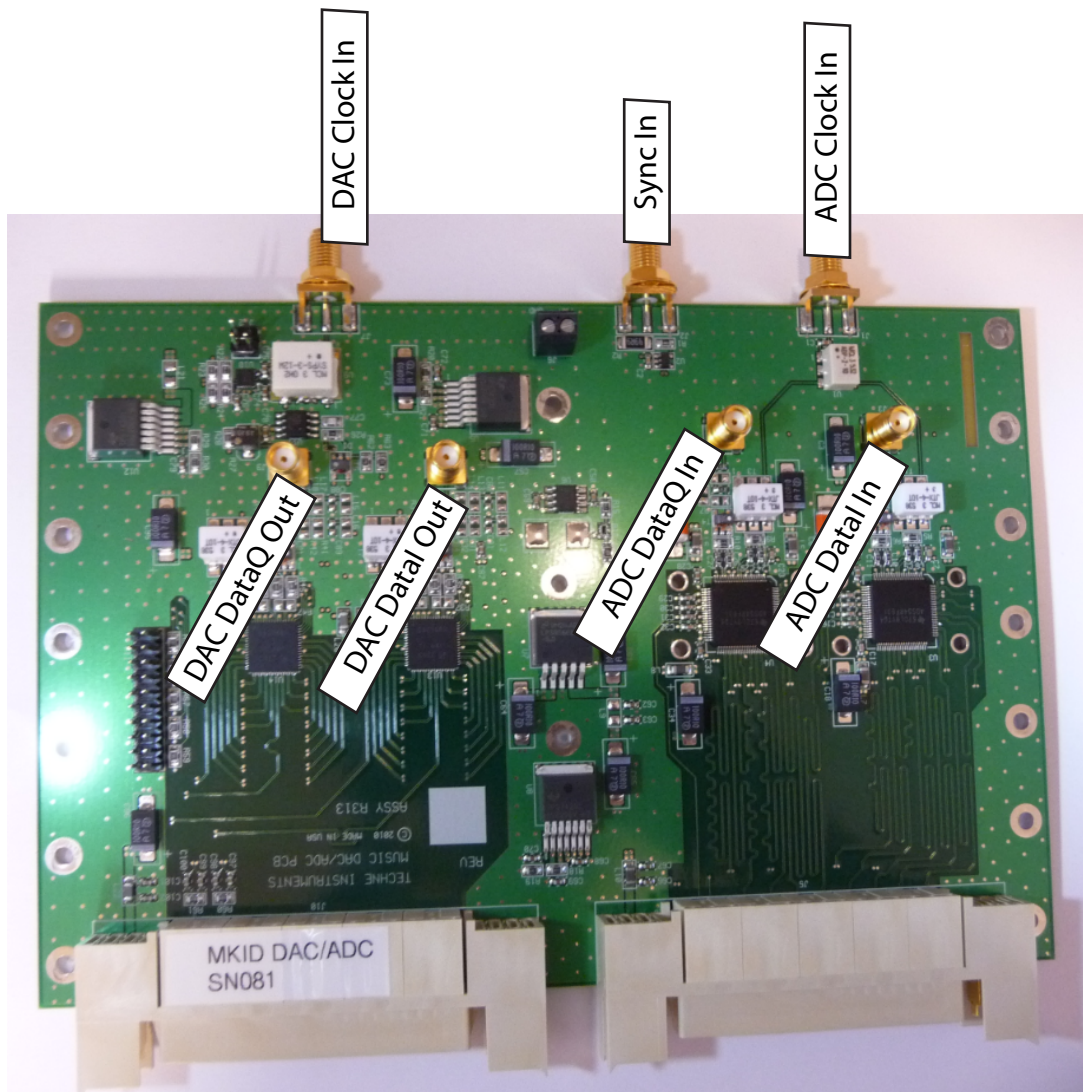


## MKID DAC/ADC Board For ROACH



The MKID DAC/ADC board combines two channels of Digital/Analog conversion (2X TI DAC5681) with two channels of Analog/Digital conversion (2X TI ADS54RF63) and a low-noise reference (ADR441) on a single board using both of the ZDOK connectors of a ROACH-1 or ROACH-2 FPGA board.

### Key Specs:

D/A: 16 bits, 1 GS/s, 2 channels

A/D: 12 bits, 550MS/s, 2 channels

Clock inputs: Separate clocks for D/A and A/D

Sync In for 1 pps sync signal

Power dissipation: 8.5W