detector is replicated on each channel
The direct connection from pin to ADC
MUX is a placeholder for replicated detector
that will be spliced in on the PCB

To antenna units
ISO_DUMMY is a dummy component that will be replaced with a copy of the isolator layout in the PCB.
Input from reference antenna unit.

Reference signal to reference antenna unit.
To P1, PORTSD&E on ATMEGA128 dev board