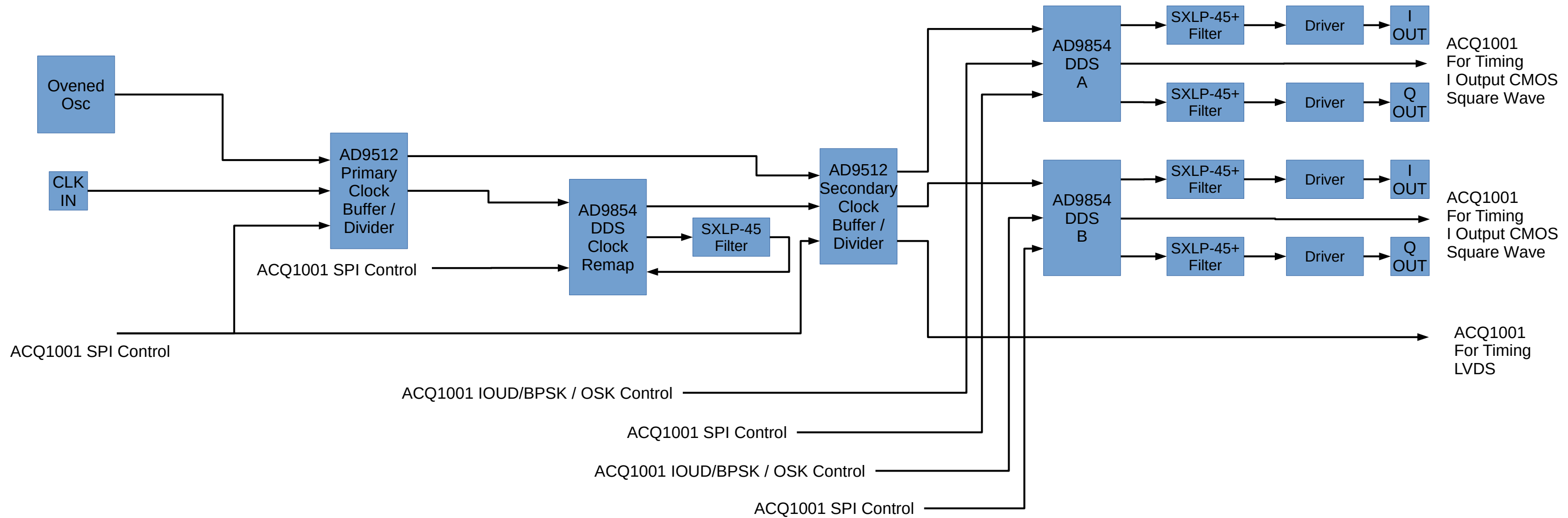# Full Clock Summary

New Clock Scheme

Retained Features
All DDS devices have independent SPI Buses for potential synchronous updates

Clock can be either Input MCX or Oven Oscillator

Clock Remap DDS can be selectively populated

Improvements
All Clock set up is now programmable – No Jumpers

Software could detect presence of CLK IN and have a "fall over" to local Oscillator

– or simply have a configuration switch

Restrictions
Both AD9512 devices must be populated (may be possible to improve on this but tracking will be more complex)

Both "A" and "B" DDS devices are sourced from the same reference clock, no second "CLK IN" MCX available