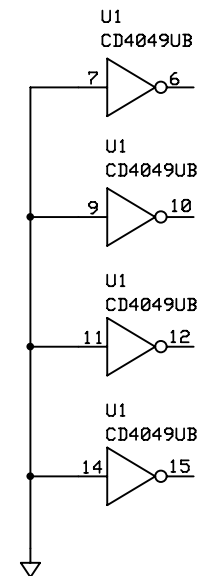
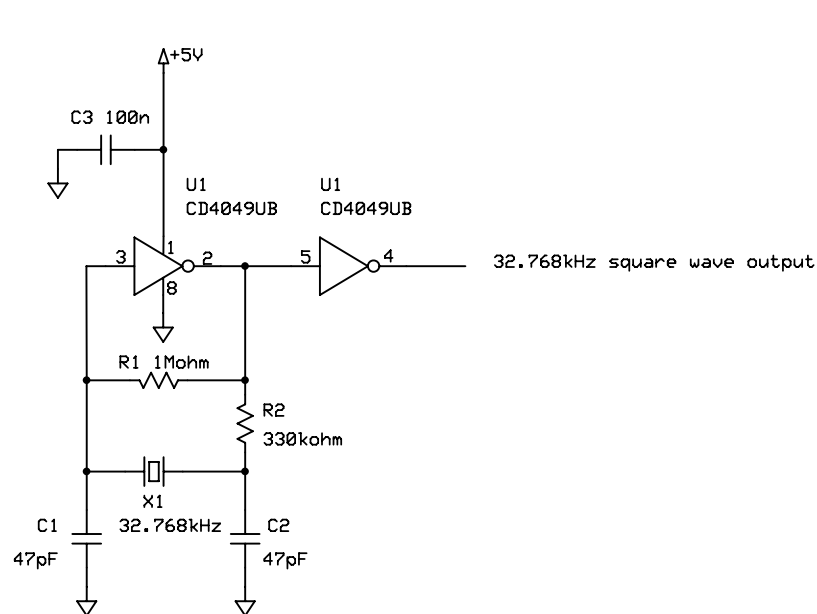


An oscillator using a 32.768kHz watch crystal.

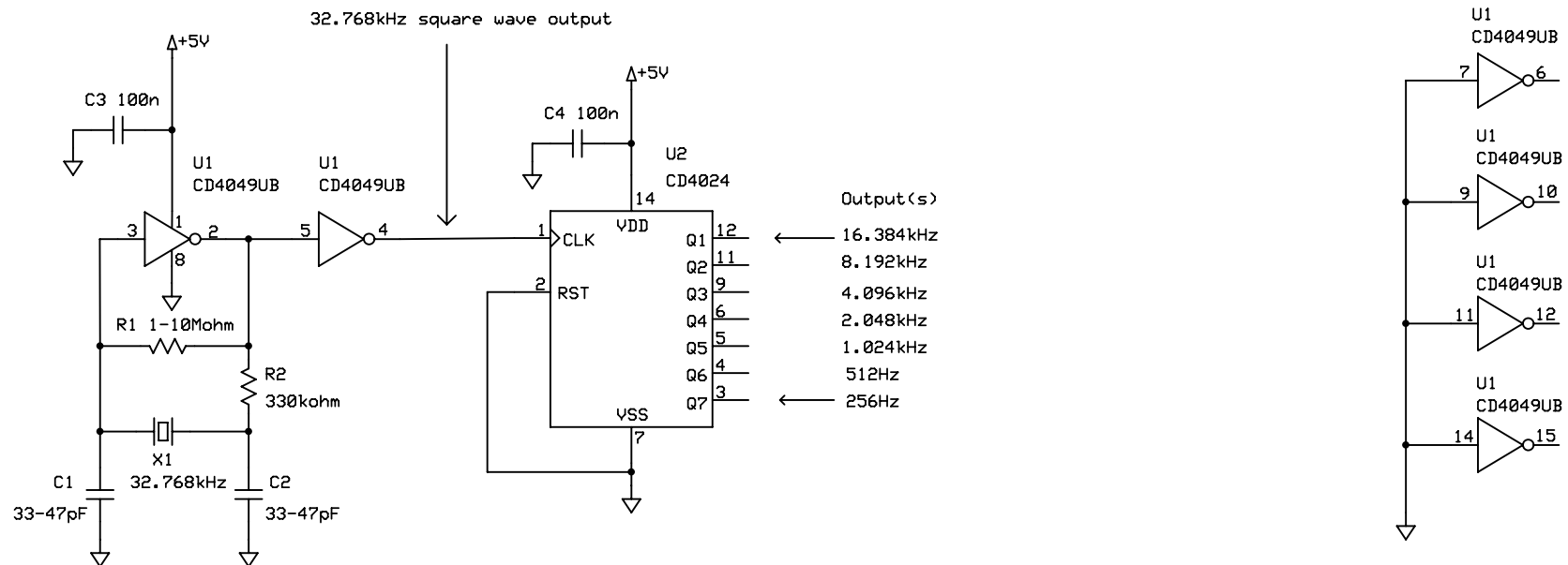


X1 = Tubular 32.768kHz watch crystal (tuning fork type)

If the oscillator is not oscillating exactly on the right frequency
Change C1, C2 to a higher or lower value,
or use a adjustable capacitor at C1.

Unused CMOS logic gates SHOULD ALWAYS be tied to ground or +5V.
Please use the specified -UB (unbuffered) 4049UB or 4069UB (different pin-out)

An oscillator using a 32.768kHz watch crystal. with frequency divider CMOS 4024



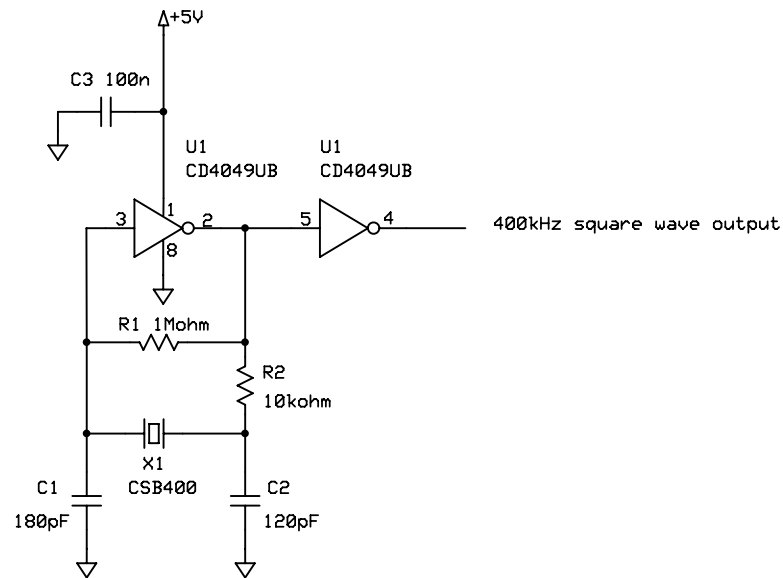
X1 = Tubular 32.768kHz watch crystal (tuning fork type)

If the oscillator is not oscillating exactly on the right frequency
Change C1, C2 to a higher or lower value,
or use a adjustable capacitor at C1.

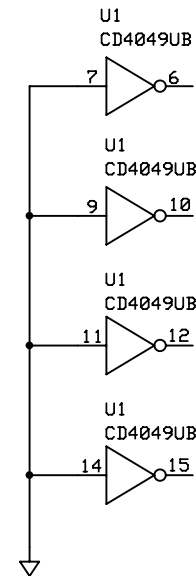
Unused CMOS logic gates SHOULD ALWAYS be tied to ground or +5V.

Please use the specified -UB (unbuffered) 4049UB or 4069UB (different pin-out)

An oscillator using a ceramic resonator.

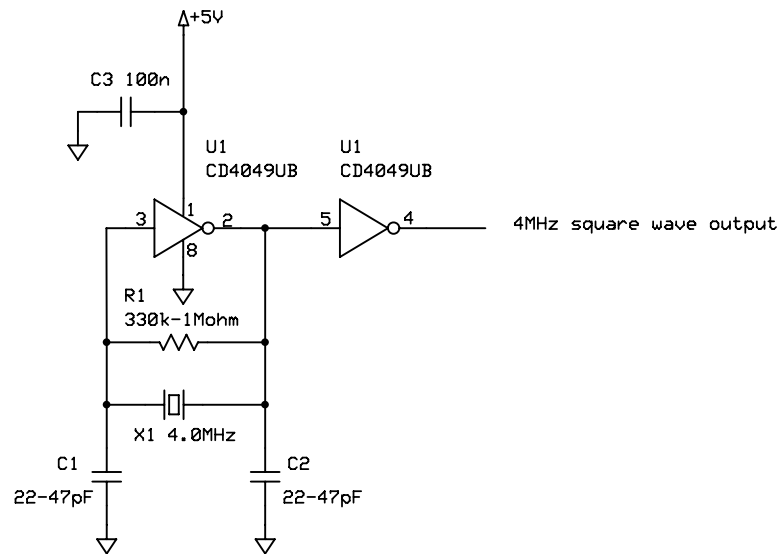


If the oscillator is not oscillating exactly on the right frequency
Change C1, C2 to a higher or lower value,
or use a adjustable capacitor at C1.

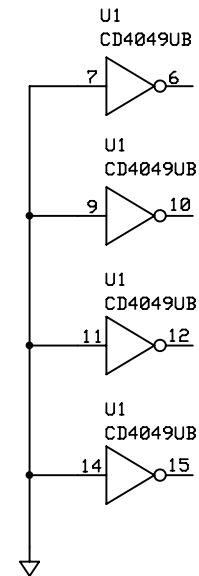


Unused CMOS logic gates SHOULD ALWAYS be tied to ground or +5V.
Please use the specified -UB (unbuffered) 4049UB or 4069UB (different pin-out)

An oscillator using a Quartz Crystal.



If the oscillator is not oscillating exactly on the right frequency
Change C1, C2 to a higher or lower value,
or use a adjustable capacitor at C1.



Unused CMOS logic gates SHOULD ALWAYS be tied to ground or +5V.
Please use the specified -UB (unbuffered) 4049UB or 4069UB (different pin-out)