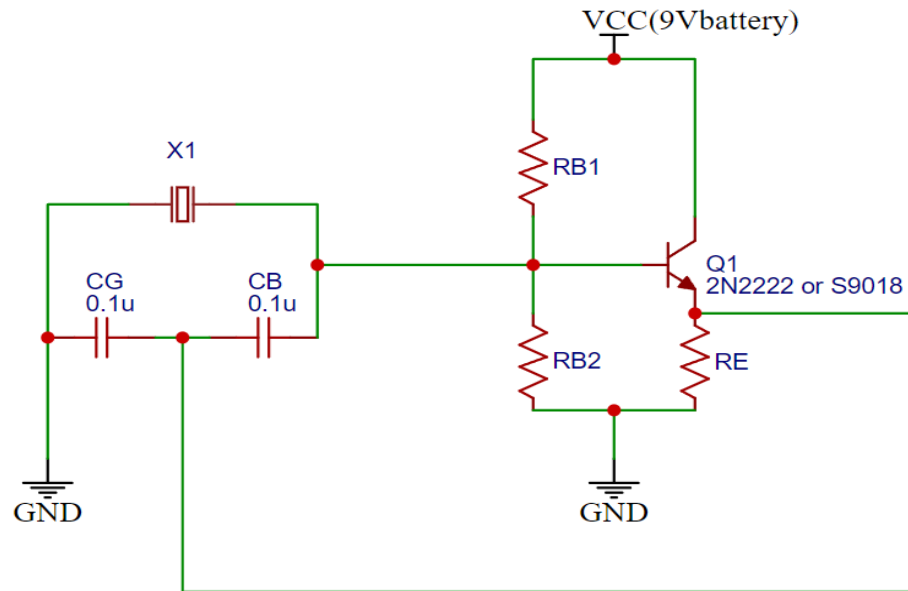


### Working Colpitts crystal oscillator values for various crystals



### Working Measured Values with Testing Rig (variable resistors)

X1	RE	RC	RB1	RB2	CG	CB
4 MHz	10.9K	0 $\Omega$	58.4K	41.4K	77pF	109pF
6 MHz	10.9K	0 $\Omega$	58.4K	41.4K	77pF	109pF
7.3728 MHz	5.37K	0 $\Omega$	58.4K	41.4K	77pF	109pF
8 MHz	5.37K	0 $\Omega$	58.4K	41.4K	77pF	109pF
10 MHz	5.37K	0 $\Omega$	58.4K	41.4K	77pF	109pF
11.0592 MHz	5.37K	0 $\Omega$	58.4K	41.4K	77pF	109pF
12 MHz	1.9K	0 $\Omega$	58.4K	41.4K	77pF	109pF
12.288 MHz	1.9K	0 $\Omega$	58.4K	41.4K	77pF	109pF
16 MHz	1K	0 $\Omega$	58.4K	41.4K	77pF	109pF
20 MHz	1K	0 $\Omega$	58.4K	41.4K	77pF	109pF
22.1184 MHz	457 $\Omega$	0 $\Omega$	48.1K	34.3K	41pF	109pF

### Working Values on Breadboard Retest

X1	RE	RC	RB1	RB2	CG	CB
4 MHz	10.36K	0 $\Omega$	46.6K	32 K	76pF	94pF
6 MHz	10.36K	0 $\Omega$	46.6K	32 K	76pF	94pF
7.3728 MHz	4.7K	0 $\Omega$	46.6K	32 K	76pF	94pF
8 MHz	4.7K	0 $\Omega$	46.6K	32 K	76pF	94pF
10 MHz	4.7K	0 $\Omega$	46.6K	32 K	76pF	94pF
11.0592 MHz	4.7K	0 $\Omega$	46.6K	32 K	76pF	94pF
12 MHz	2.2K	0 $\Omega$	46.6K	32 K	76pF	94pF
12.288 MHz	2.2K	0 $\Omega$	46.6K	32 K	76pF	94pF
16 MHz	1K	0 $\Omega$	46.6K	32 K	76pF	94pF
20 MHz	1K	0 $\Omega$	46.6K	32 K	76pF	94pF
22.1184 MHz	1K	0 $\Omega$	46.6K	32 K	76pF	94pF
24 MHz	220 $\Omega$	0 $\Omega$	46.6K	32 K	76pF	94pF
25 MHz	220 $\Omega$	0 $\Omega$	46.6K	32 K	76pF	94pF