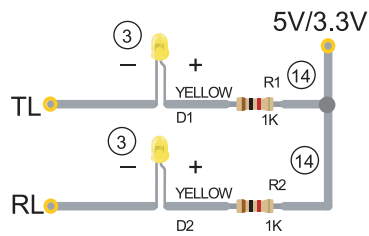
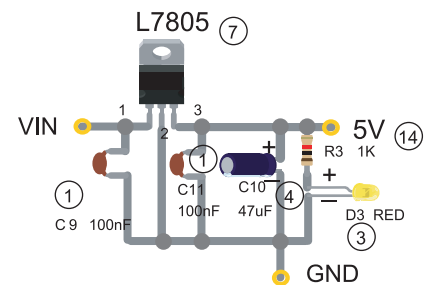


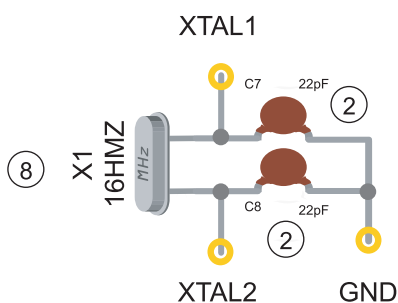
RESET: brings the system to normal condition or an initial state



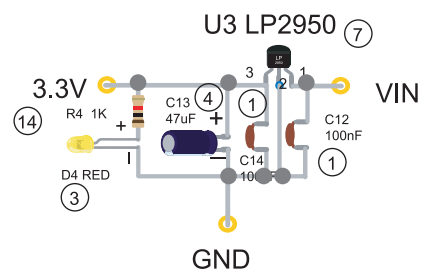
LED TL: 32U4 is sending data  
RL: 32U4 is receiving data



POWER1 VIN: 9-12V VOUT: 5V

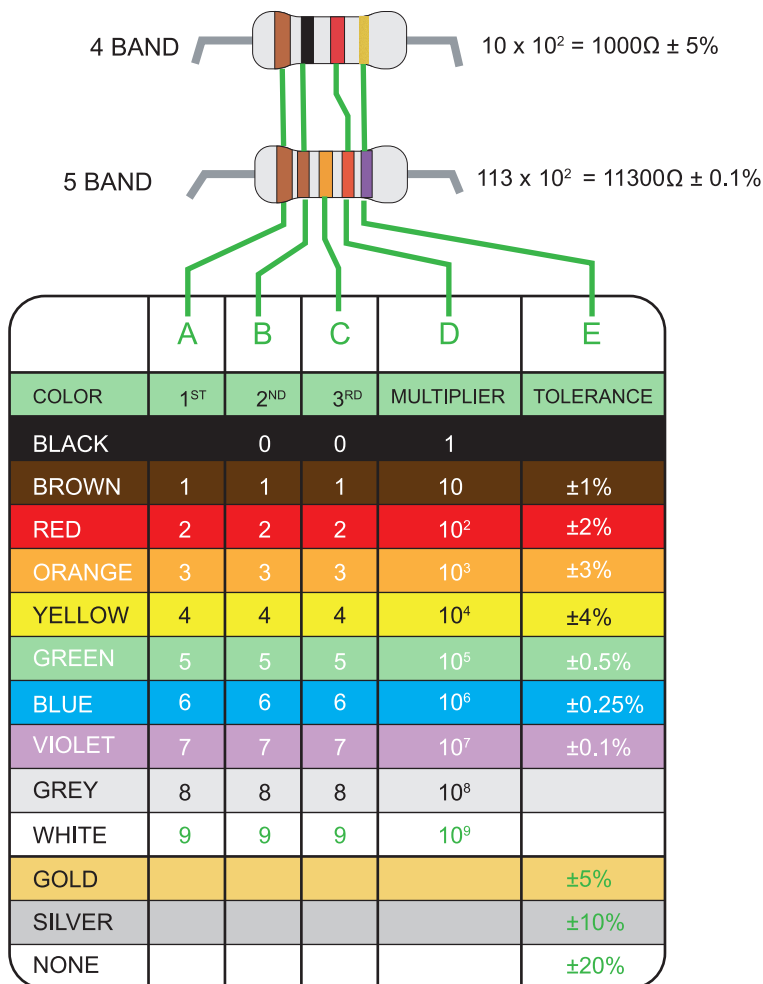


OSCILLATOR: This parts must be connected to 32U4 for providing a stable clock signal

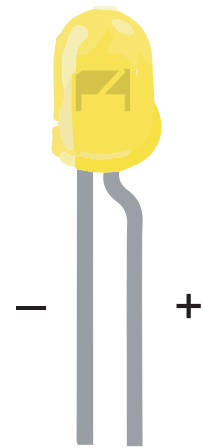


POWER2 VIN: 9-12V VOUT: 3.3V

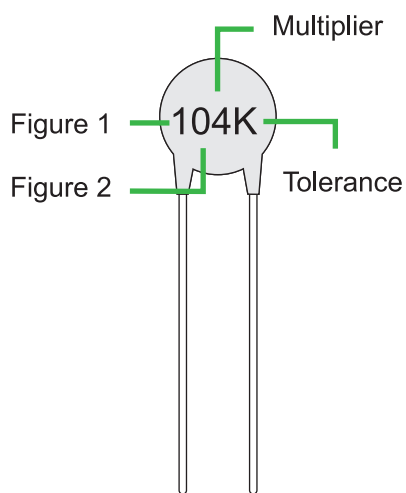
# Resistor Color Codes



## LED Polarity



[www.seeed.cc](http://www.seeed.cc)



104 "K" =  $\pm 10\%$   
 $10 \ 0000\text{pF} = 100000\text{pF} = 100\text{nF}$

## Ceramic Capacitor

VALUE (F1 & 2)	MULTIPLIER	LETTER	TOLERANCE
0	1	B	$\pm 0.1\text{pF}$
1	10	C	$\pm 0.25\text{pF}$
2	$10^2$	D	$\pm 0.5\text{pF}$
3	$10^3$	F	$\pm 1\%$
4	$10^4$	G	$\pm 2\%$
5	$10^5$	H	$\pm 3\%$
6	N/A	J	$\pm 5\%$
7	N/A	K	$\pm 10\%$
8	0.01	M	$\pm 20\%$
9	0.1	Z	$\pm 80\%/-20\%$

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