

Arduino Nixie Clock

Component Identification

Contact Information

If you want to get in contact with us, please email to:

nixie@protonmail.ch

We'll usually get back to you right away. We can help you with kits or construction.

We also offer discounts for direct purchases, we save the Ebay fees, and share this with you.

<http://www.nixieclock.biz/Store.html>

Component Identification

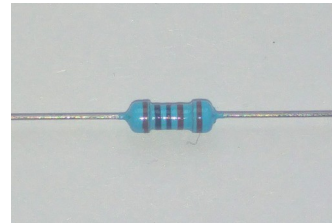
We can't always guarantee to get exactly the the same components. Where we have alternatives, they are listed separately under the same heading.

1k resistor

Alternative 1

The color code for the 10 resistor is:

BROWN = 1
BLACK = 0
BLACK = 0
BROWN = 1 (1 zero in this case)
BROWN = 1 (1% Tolerance)
= 1 0 0 0 0 with 1% tolerance

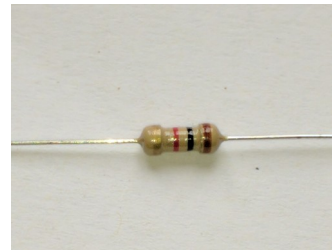


1k resistor

Alternative 2

The color code for the 1k resistor is:

BROWN = 1
BLACK = 0
RED = 2 (2 zeros in this case)
GOLD = 5% Tolerance
= 1 0 0 0 with 5% tolerance



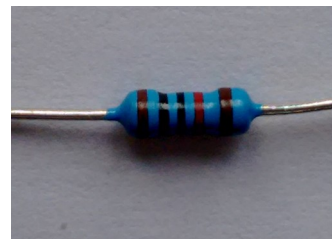
1k resistor

10k resistor

Alternative 1

The color code for the 10k resistor is:

BROWN = 1
BLACK = 0
BLACK = 0
RED = 2 (2 zeros in this case)
BROWN = 1 (1% Tolerance)
= 1 0 0 0 0 with 1% tolerance



10k resistor

Alternative 2

The color code for the 10k resistor is:

BROWN = 1
BLACK = 0
ORANGE = 3 (3 zeros in this case)
GOLD = 5% Tolerance
= 1 0 0 0 0 with 5% tolerance



10k resistor

4.7k resistor

Alternative 1

The color code for the 4.7k resistor is:

YELLOW = 4

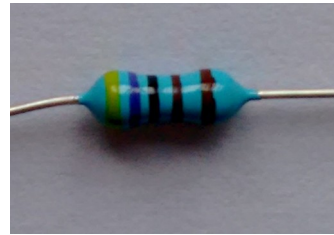
VIOLET = 7

BLACK = 0

BROWN = 1 (1 zero in this case)

BROWN = 1 (1% Tolerance)

= 4 7 0 0 with 1% tolerance



4.7k resistor

Alternative 2

The color code for the 4.7k resistor is:

YELLOW = 4

VIOLET = 7

RED = 2 (2 zeros in this case)

GOLD = 5% Tolerance

= 4 7 0 0 with 5% tolerance



4.7k resistor

390k resistor

Alternative 1

The color code for the 390k resistor is:

ORANGE = 3

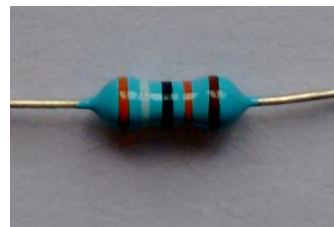
WHITE = 9

BLACK = 0

ORANGE = 3 (3 zeros in this case)

BROWN = 1 (1% Tolerance)

= 3 9 0 0 0 with 1% tolerance



390k resistor

Alternative 2

The color code for the 390k resistor is:

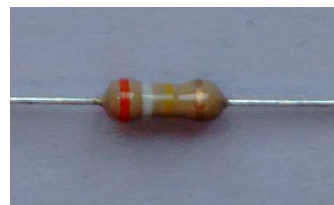
ORANGE = 3

WHITE = 9

YELLOW = 4 (4 zeros in this case)

GOLD = 5% Tolerance

= 3 9 0 0 0 with 5% tolerance



390k resistor

3k resistor

Alternative 1

The color code for the 2.7k resistor is:

ORANGE = 3

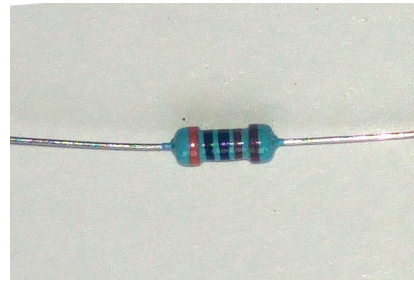
BLACK = 0

BLACK = 0

BROWN = 1 (1 zero in this case)

BROWN = 1 (1% Tolerance)

= 3 0 0 0 with 1% tolerance



3k resistor

Alternative 2

The color code for the 3k resistor is:

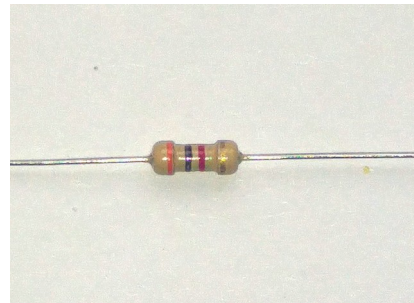
ORANGE = 3

BLACK = 0

RED = 2 (2 zeros in this case)

GOLD = 5% Tolerance

= 3 0 0 0 with 5% tolerance



3k resistor

100nF capacitor

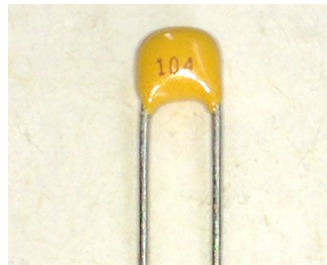
The coding on the 100nF capacitor is "104". It does not matter which way round it goes.

This is decoded as:

= "1" then a "0" and then 4 more zeros

= 100000 pF

= 100 nF (1 nF = 1000 pF)



100nF capacitor



100nF capacitor

22pF capacitor

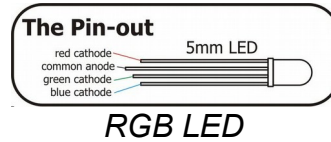
The coding on the 22pF capacitor is simply "22". It does not matter which way round it goes.



22pF capacitor

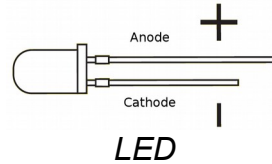
RGB LED

The RGB LED has one pin longer than the rest. This longer pin is the common anode.



LED

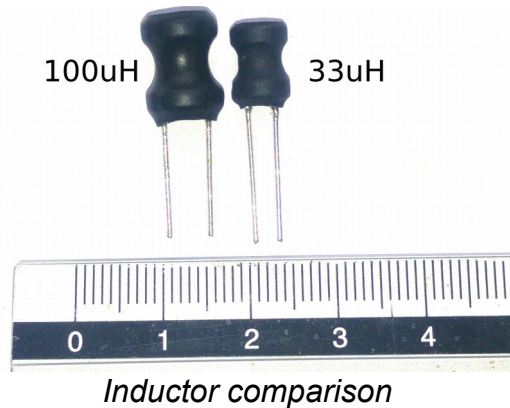
The LED has one pin longer than the other. The long pin is the anode, the short pin the cathode.



Inductors

Some kits come with two inductors. If you only have one inductor, you can just use that, but if you have two, please use this picture to identify the right one to use:

The polarity of the inductors does not matter. The 100uH inductor is larger than the 33uH inductor.



Revisions:

V0001: 22Jun2017: Split out from single manuals