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Subject: 2n3638 vs NTE129

Posted by [Shaun\\_Musings](#) on Fri, 05 Feb 2016 22:55:12 GMT

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This site here I found discusses how 2n3638 (PC602 & PC502) has a different pinout than NTE129: <http://music-electronics-forum.com/t17166-print>

Looking at this image here: <http://music-electronics-forum.com/attachments/36182d1445354172-pc502-602.jpg>

can someone confirm the 2n3638 pinouts? Are they CBE or EBC? Or are NTE129 identical in terms of pinouts?

On the diagram for Q602 (PC602), it clearly shows E going to ground. Is this the top left transistor on PC602 in the image? I have a simple multimeter; I understand how to test to see if they are good, but determining collector and emitter is difficult.

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Subject: Re: 2n3638 vs NTE129

Posted by [Shaun\\_Musings](#) on Fri, 05 Feb 2016 22:56:13 GMT

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Wrong site, although that discusses SE4002, which is NTE123.

Here it discusses 2N3638: <https://www.muffwiggler.com/forum/viewtopic.php?p=1800329>

Also be aware that some 2N3638 also have to be banded differently (like mirrored) than the pin labels on the board.

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Subject: Re: 2n3638 vs NTE129

Posted by [chicagobill](#) on Sat, 06 Feb 2016 02:41:42 GMT

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If you look at the plastic case, the outer circular edge has a flat spot. The lead that is closest to the flat spot is the Emitter. The metal TO-39 case transistor has a small metal tab that sticks out from the edge. The lead that is closest to the tab is the Emitter.

The center lead of the three is the Base and the other lead is the Collector.

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Subject: Re: 2n3638 vs NTE129

Posted by [stevem](#) on Sat, 06 Feb 2016 11:28:47 GMT

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Also on metal case transistors like this the collector lead does not go thru the transistors metal base like the other two.

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Subject: Re: 2n3638 vs NTE129

Posted by [Shaun\\_Musings](#) on Sun, 07 Feb 2016 18:02:15 GMT

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Thanks, guys. I just need to wait for an NTE108 to come in for PC702 (somehow I ordered something else), and then I should be good to go. I've left the new 35A bridge rectifier in place, and right now I have the new filter caps. I'm thinking I should put back in the old ones (they were fine), at least until I know everything else is working. Checking my work on PC102, since the transistors there might not be in the right place.

SDC

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