

Re: Please clarify European resistor value notation for me

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Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2006-12/msg01997.html>

- *From:* John Larkin <jjlarkin@xx>
 - *Date:* Fri, 08 Dec 2006 13:15:03 -0800
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On Fri, 08 Dec 2006 17:02:35 GMT, Joerg
<notthisjoergsch@xxxxxxxxxxxxxxxxxxxxxxxx> wrote:

Jim Thompson wrote:

On Fri, 08 Dec 2006 08:22:00 -0800, John Larkin
<jjlarkin@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

On Fri, 08 Dec 2006 16:09:40 GMT, Joerg
<notthisjoergsch@xxxxxxxxxxxxxxxxxxxxxxxx> wrote:

Paul Burke wrote:

Mike Monett wrote:

However,
I'm
concerned
that the
symbol for
variable
capacitors
seems
to have
changed to
two flat
plates with
a diagonal

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arrow.
There is no
way to
indicate
which plate
is the rotor.

You're always free to add a
note to the diagram, or
better to the
schematic symbol so they
can't mess it up on the
layout.

Even better would be to create a new part on
the CAD system. That's what
I always do. Except that after switching to
Cadsoft they were all there
already.

We always draw our own parts. The stuff in the standard
PADS library
is just too ugly. We also have our own symbols for things
like mosfets
and schottky diodes that are, to me, more intuitive and
readable than
the accepted stuff.

The debate over US/european/tibetan schematic symbols is
silly. We
just make up anything that we like. Why follow rules when
you can make
rules?

True. But I am a hired hand so have to abide by what the client wants.

Same here... very human-readable schematics, but netlists are what the
layout guys want.

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I became very careful about that. Basically my layouter re-draws the schematic most of the time. That takes a few extra hours but it's well invested time.

The pinout on even the most mundane parts such as a BSS123 is not standard. At first the layouter didn't think so until it did go wrong. Datasheet said 3-1-2, his CAD said 1-3-2. Bzzzzt. What blew me away was that they even changed it when Siemens became Infineon. IOW there is no standard.

Not only has every possible numbering of the SOT-23 package been done (1-2-3 in every permutation) I think every possible version of the SOT-143 (4 pin package) has been done!

We always use the "Motorola" SOT-23 pin numbering, and force anybody else's functions into that convention.

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1 2

NEC makes some transistors with reversed pinout, and the pin 1 index mark on the bottom! I think they just bent the leads the wrong way.

John

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