



Re: To JL (TI ADC pb)

mentioned  
some some  
bad  
experience  
(high  
latchup  
sensitivity)  
with some  
TI ADCs.

Can you tell  
us a bit  
more?

I right now  
have some  
pretty weird  
behavior  
with an  
ADS8327  
<http://focus.ti.com/docs/prod/folders/print/ads8327.html>  
(all  
external  
causes  
thoroughly  
ruled out).

That is,  
about a 30  
LSBs dead  
band or  
jump  
around each  
of the 2 or  
3 MSBs  
transitions.

But the blurb says "excellent  
DC performance."

Strangely  
this seemed  
to depend  
on the  
number of

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power up,  
but now  
that all the  
small power  
up glitches  
have been  
removed the  
behavior  
still is there  
(new ADCs  
of course).

Not  
surprisingly,  
TI support  
is as  
responsive  
and helpful  
as a  
petrified  
mollusk so  
we too are  
going to  
ban the part.

Any idea?

I don't recall a TI adc  
problem. We did have  
horrible problems with  
the THS3062 opamp early  
this year. After two months  
of pounding on TI  
support, without response,  
we finally got the VP of  
Ethics involved,  
and they finally confessed  
that the part is indeed  
broken.

We had latchup problems  
with an Analog Devices  
flash ADC, which they  
fixed by discontinuing the  
part without notice. And we  
did have  
latchup problems with some  
Burr-Brown octal DACS,

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before the TI  
takeover.

And Bob Pease promised  
me he'd fix the LM45 but,  
ten years or so  
later, it still latches.

John

Hey John,

on a completely unrelated note, have you  
seen this? Performance of a  
Diode Clamped Linear Amplifier, Fujita &  
Yamashita, IEEE trans.  
power Electronics vol. 23 no.2 march 2008

you might find it interesting

Cheers  
Terry

I can't see those journal things. Someone might email me a  
copy,  
anonymously.

John

We'll see whether or not its happy with 18Mb of rar :)

Cheers  
Terry

nope. I deleted the references/photos page, and tried again. do you have  
an FTP site I can upload it to?

Not something you can poke files into. There are some public  
file-posting sites, but I don't know if they allow anything that big.

What's the gist of the thing?

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And what's a rar file anyhow?

John

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