

Re: Ever heard of Potato Semiconductor?

with them. This is exactly our goals. We will like to make our chips as popular as potato chips, as high volume as potato chips, as low price as potato chips. All of the computers & electronics devices like our chips' taste. All of the people like to use them because they are easy to use & all of the people are happy with potato chips. "

This is great. I wish more companies websites were like this.

Cheers,

Al

No, I hadn't heard of them, and I read all the usual mags. They look a little strange. The technology is "patented" but they cite no numbers and a quick patent search turns up nothing.

How can a simple inverter have a 0.8 ns rise/fall time and be good for 1.1 GHz? Their datasheets are very poorly specified, but their definition of "risetime" is nonstandard, something like 25–75%.

They spec their max frequencies with 2 pF loads, so one of their parts won't drive even one of their own parts at the promoted speeds; what good is that?

One might almost suspect them of rebranding other parts. There are lots of other peoples' parts with typical performance like this, some better.

One problem with running CMOS at high speeds is power consumption. They don't mention this in any usable form.

Fables...

Potato Semiconductor Corporation is a private fabless IC design house which locates in San Jose, California.

In and Out via CMOS, probably CML or PECL inside...

Why ecl inside? CMOS logic can already get down to sub-100 ps logic functions "inside", as is common in fpga's and high-end processors. The speed problem is i/o.

Re: Ever heard of Potato Semiconductor?

By applying our powerful industry-leading technology in IO interface, logic cells & special design rule, we can design most of existing chips with higher frequency, higher performance, higher reliability, and less noise.

I've seen no patents assigned to Potato, or to their guru, Richard Kao.

Their English is atrocious.

John

Taiwan

Design center is in San Jose. Fab is said to be by TSMC. They may be real, but the specs are dicey.

John

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