

Re: Missing Schmitt Gates??

Make
whatever
you want!
or

Brings up a question: I've
only see those from
Fairchild and
single-source always make
me uncomfortable. Is there
anything FFF
compatible from others?

FFF ?

Form – Fit – Function.

Purchasing speak for a real drop-in replacement.

SN74AUP1G57 is darn close...

<http://focus.ti.com/docs/prod/folders/print/sn74aup1g57.html>

TI's Little Logic(tm) offerings overview here:

<http://focus.ti.com/lit/ml/scyb025/scyb025.pdf>

Selection guide here:

<http://focus.ti.com/lit/ml/scyt129b/scyt129b.pdf>

NXP makes them too:

http://www.nxp.com/acrobat/datasheets/74AUP1G57_1.pdf

Thanks! I didn't know this stuff was so popular.

We love these things. Since most logic is migrating to fpga's, once in a while you need a single gate or flipflop. The tinies can often run from 5 volts (which fpga's can't any more) and some are blindingly fast, like flipflops with 1 ns prop delays or buffers with 600 ps rise/fall times. And – you'll like this – they're CHEAP!

We often put tiny logic schmitts right at an fpga to buffer incoming clocks, especially when there's any doubt about signal integrity. Or make clock trees. Works miracles.

Tiny schmitts can do analog-like stuff, too, like being the basis for a boost regulator, or acting as a frequency-counter front end.

Relay and led drivers, too.

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John

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