Re: need L290 substitute

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- *From*: Joerg <notthisjoergsch@xxxxxxxxxxxxxxxxxxxx>
- *Date*: Thu, 17 Apr 2008 15:09:07 GMT

John Devereux wrote:

> Joerg <notthisjoergsch@xxxxxxxxxxxxxxxxxxxx> writes:
>
> > Dave Platt wrote:
> >
> > > > How fast do the bits
> > > > change? Can you do it in
> > > > software
> > > > with a PIC/AVR/8051? ...
> > >
> > > Way to go.
> >
> > Seems likely! At a trade show yesterday I picked up a sample
> > of a
> > Silicon Labs 336D development "stick". The daughter
> > board's micro is a
> > QFN20 device with an 8051−compatible core, 16 kB of flash
> > code space,
> > 768 bytes of RAM, a ten−bit 200 ksps 16−channel AC, and a
> > single
> > 10−bit current−output DAC, runs at up to 25 MIPS using its
> > onboard
> > oscillator or at lower speeds (onboard or RC or crystal).
> >
> > Writing a lookup−table−based quadrature−to−value loop
> > with a DAC
> > output would be easy and fast. Cost for the bare chips from
> > Mouser is
> > $4.31 in onesies, under $3 in hundreds.
>
> That's one of the issues, the 8051 species are usually not exaclty a
> bargain. There is a price to be paid for reducing the effects of
> obsolenscence.

They *are* obselete, that's why they are expensive. :)

Then why does Digikey stock thousands? And why haven't my clients received any notices about that? One 8051 design has now been in production for over 15 years, no end in sight. And no design changes so far.

Oh, and when I repaired our pellet stove guess what uC was in there?

[...]

> The MSP430F2002 can be had for close to a buck in quantities. If only
> TI wouldn't have dropped the ball on support. How is SiLabs' support?

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Regards, Joerg

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