

## Re: Identification of old (1970) logic family?

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**Date:** 07/05/04

Date: Mon, 05 Jul 2004 04:42:21 GMT

"mcb, inc." <mcbinc@world.std.com> wrote in message  
news:Pine.SGI.4.40.0407042107090.8873054-100000@shell01-g...

>  
> *Google and friends have been of no help and hoping someone  
> can help me identify some devices. I'm doing a bit of reverse-  
> engineering on a device that uses a logic family I've never  
> encountered and which I can't find. Functions appear to be  
> similar to ttl (gates, hex inverters, flipflops). Packages  
> are standard 14-, 16-, and 24-pin dip. Manufacture date  
> is 1970. Logo is an outlined box with small 's' inside (LSI?).  
> Given loads and resister pull-up values, logic can sink quite  
> a bit of current. Power supply is a bit outside of standard  
> ttl spec (running about 5.6V). Devices I'm trying to track  
> down are: TR1001, TR1004, TR1005, TR1006, TR1007, TR1008,  
> TR1009, TR1010, TR1011, TR1014, TR1016, and TR1023.*  
>  
> *My museum doesn't go back far enough so I'm looking for any  
> info. I don't need electrical characteristics, just function  
> and pinout. Thanks...*

>  
The TI TTL databook gives 7V as the absolute maximum supply voltage for a  
TTL IC and 5.5V as the maximum input level.

They might be nothing more than common chips with house numbers being  
totally abused.

Norm