

Re: 74LS90, 74LS92 and other TTL are OBSOLETE???

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Doing a search for some TTL Logics as 74LS90, 74LS92 and others common use Logic ICs I have found that they are OBSOLETE??? !
Basically I'm looking for any package of them DIP, SO and also I don't care much if it will LS, S, HC, HCT type!
So is it real that the standard TTL Logic ICs are going to obsolete?

NTE still carries replacements for the 74LS90 and 74LS92 as well as many other otherwise-obsolete parts. Their parts are a decent solution if you need to repair some older equipment, but are generally too expensive to consider using in new projects.

These sorts of small logic and small-scale-integration chips are very much an endangered species, and are widely listed by those manufacturers who make them as "not intended for new design".

The trends these days seem to be:

- Low-voltage operation. 5-volt logic is passe.
- Very-small-footprint packages.
- Large, complex logical networks are generally implemented via microcontrollers, PLDs of one sort or another, ASICs, and FPGAs. Building complex logic out of simple DIP or large-surface-mount logic ICs is only rarely done these days.
- A lot of single logic gate types are available in tiny little packages (5- or 6-pin SOT-like) and are intended for adding small amounts of logic "around the edges" of a more complex chipset.

What it boils down to, I think, is that if you need to repair some older equipment or a project which used the old DIP/SO TTL parts, you can probably do so but may need to substitute, scrounge, etc.

If you want to build something new, you'll probably be better off designing it to use modern parts and techniques. You might find that a simple PLD, or even a PIC microcontroller, could absorb the

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functions for which dozens of TTL–logic parts were originally used.
You'll end up with a simpler, easier–to–build circuit.

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