

## Re: 8051 derivative 2nd sources

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george\_d wrote:

I'm starting a new project and I intend to use an 8051 derivative. Specifically, I'm looking for a chip that has at least 3MIPS, 64K FLASH, an SPI port, and must be RoHS compliant.

The real reason that I'm posting is that I want to use a chip(s) that are truly second sourced. We intend to produce this product for maybe 10 years or so, so we don't want to have to be concerned about having a chip manufacture stopping production.

For example, I know that the Philips's P89V51RD2 is second sourced by SST's SST89E516RD2. Atmel makes an AT89C51RD2, but the SPI signals are pinned out differently then the first two chips. But this is the only second sourced chip that I can find with the above mentioned requirements. I was wondering is anyone knows of other 8051 type chips that are second sourced.

The SPI is a relatively new extension to the RD2 family. You can consider the AT89C51ED2 an 'almost' second source for AT89C51RD2 – the ED2 is the EEPROM version.

For other suppliers of 44 Pin RD2[PCA+MoreRam] Cores, which I think is what you are asking, look at :

Winbond,  
STC (China), STC89LE516RD+, STC89LE516AD  
Maxim?,  
maybe Syncmos  
maybe CoreRiver

Ramtron have some std C51's, that may include RD2,  
Philips also have a new 89V664 being released.

-jg

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