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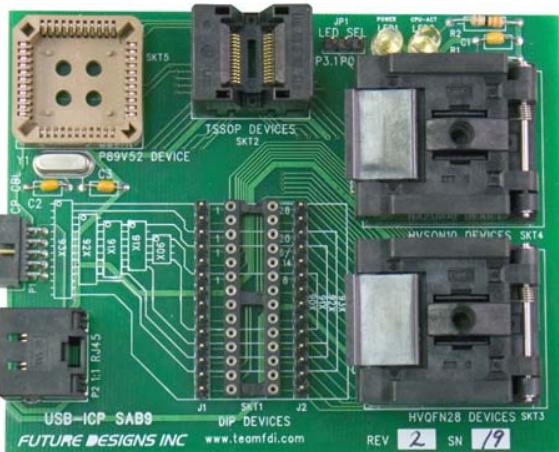
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[Future Designs Inc.](#)
[USB-ICP-SAB9](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

SAB9



USB-ICP-SAB9

Socket Adapter Board for **USB-ICP-LPC9xx**

The USB-ICP-SAB9 Socket Adapter Board extends the capability of our popular USB In-Circuit Programmer for NXP Semiconductors LPC9xx devices to allow the user to program and test these devices outside of their application circuit. The SAB9 includes support for most NXP LPC9xx devices in the following packages: TSSOP, HVSON10, HQVFN28, and DIP8 – DIP28. A summary of supported devices is included on the back of this brochure and an updated list can be found on our website.

The SAB9 can also be used for prototyping with difficult to mount parts such as the HVSON10 and HQVFN28. All signals from every socket (except PLC44) are brought out to two 14-pin, 100 mil headers. This enables the user to load any supported microcontroller into a socket and connect it to their application with a few jumper wires or to easily construct bread board prototypes and connect them directly to the SAB9 as daughter cards.

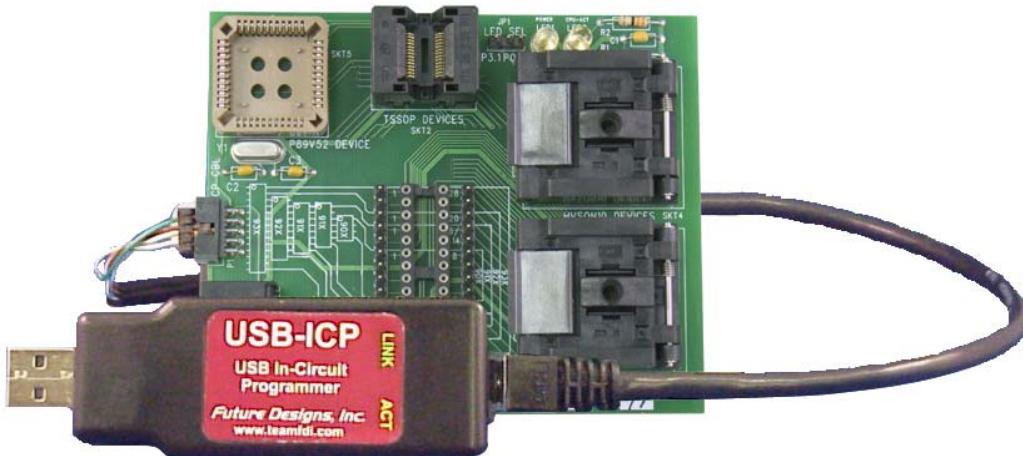
Another feature of the SAB9 is support for the 5V P89V52xxA. Even though the P89V52xxA is part of NXP's standard 80C51 family, it is the first 80C51 variant that shares the same ICP programming interface as the LPC9xx.

Highlights

- **USB-ICP-SAB9 REQUIRES**
Future Designs' USB In-Circuit
Programmer for NXP LPC9xx
➤ FDI PN: USB-ICP-LPC9xx
- Plugs directly into USB-ICP-LPC9xx
- Program devices outside of the
user's target board
- Program devices before
prototype boards are available
- Prototype with fine pitch parts
like HVSON10 & HQVFN28
- On board LED for testing

Technical Details

SAB9 Supported Devices	
Device	Package
P89LPC93xFHN	HQVFN28
P89LPC92xFN	DIP
P89LPC93xFN	
P89LPC91xFDH	TSSOP
P89LPC92xFDH	
P89LPC93xFDH	
P89LPC9107FDH	
P89LPC9102FTK	HVSON10
P89LPC9103FTK	
P89V52xxA	PLCC44



USB-ICP-SAB9 shown with USB-ICP-LPC9xx
(USB-ICP-LPC9xx Sold Separately)

Ordering Information

Part Number: USB-ICP-SAB9

Order Online Now at:
www.digikey.com

Warranty: 30-day money back guarantee
Availability: Stock

(256) 883-1241 FAX

www.teamfdi.com

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