# SoftBaugh

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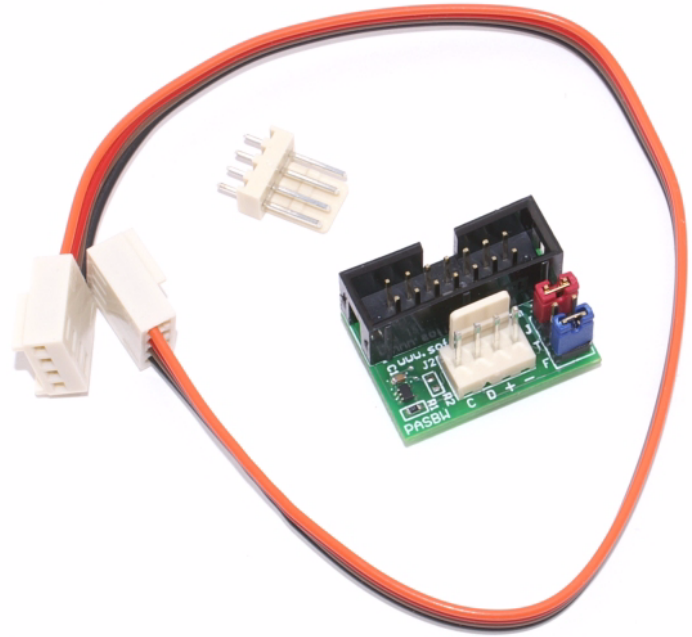
## PASBW

### Adapt MSP430 JTAG Programmers to SpyBiWire for MSP430F20xx



## Background

The new MSP430F20xx devices support programming over only two signals, SBWTDIO and SBWTCK. Existing USB programmers, such as our USBP, or our REP430 replicator can perform full JTAG functionality over SpyBiWire, but only if the original 14-pin signals are blended properly.
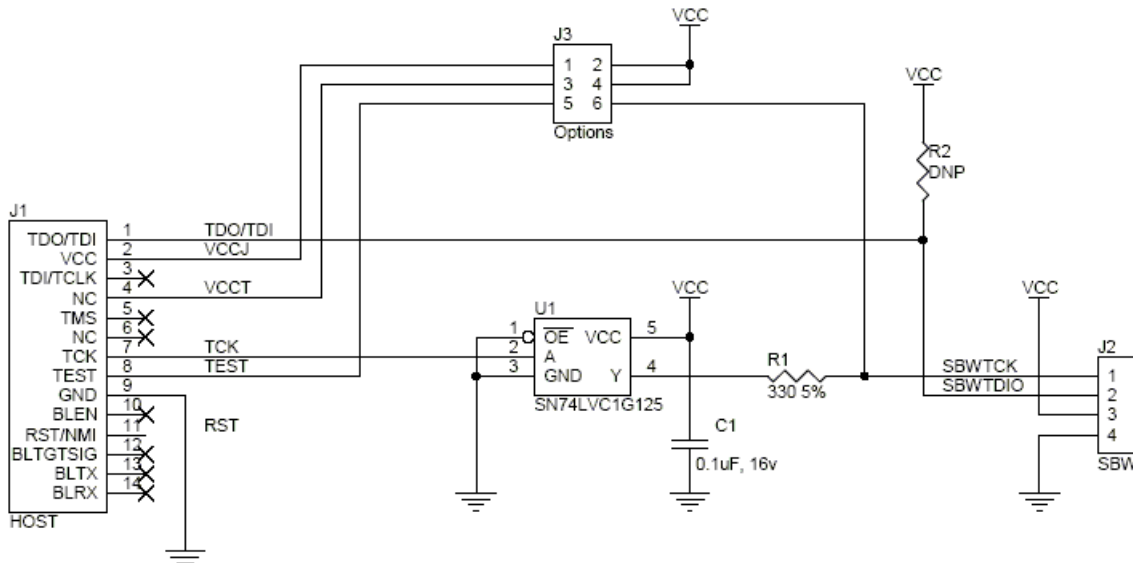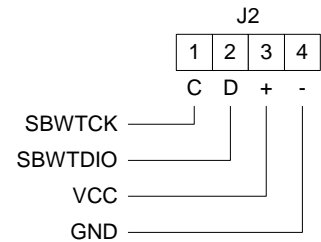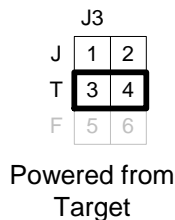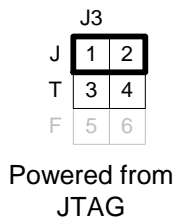
Our PASBW performs the requisite signal blending, and allows options for target power, pod power, and selective disabling of fuse blow voltage.

### Retail Pricing as of May, 2006

| Quantity | PASBW |
|---|---|
| 1-9 | $9.00 |
| 10+ | $8.10 |

Includes PASBW pod, 4-wire interface cable, and 4-pin header.



Powered from
JTAG

Powered from
Target

Fuse Blow
Enabled

| J2 | | | |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| C | D | + | - |

SBWTCK
SBWTDIO
VCC
GND