

# BLACKHAWK Emulation Tools for TI DSPs



MCU / MPU / DSP

Blackhawk

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## ADVANCED JTAG EMULATORS

Blackhawk™ is a leader in the design of DSP hardware and software Development tools. The first to develop a USB to JTAG emulator for Texas Instruments XDS510 class devices and next generation with the Blackhawk USB560 JTAG Emulator.

### Features for USB2000:

- Super low-cost XDS510™-class controller
- Plug n' Play USB host interface
- Supports TI c2000 Digital Signal Processors: F283x, F281x, F280x, F280xx, LF240x
- 3.3/5.0 volt device I/O support
- Bi-color status LED (red/green)
- Code composer studio v3.3 support
- Blackhawk FlashBurn utility add-on
- Optional isolation adapter available

### Features for USB510:

- Ultra compact designed pod with status LED
- High-speed USB 2.0 (480 Mbits/sec) port
- Bus powered, no external power required
- Windows® Plug n' Play installation
- Auto-sensing low I/O voltage support
- High-speed micro coax cable assembly
- Free technical support and web downloads
- Standard 14-pin JTAG Header Connector
- Affordable price

### Features for USB560:

- High-speed RTDX™ support with data rates of over 2MB/sec
- Compact pod with power and USB status indicator LED's
- High-speed USB 2.0 (480 Mbits/sec) port
- Flexible 12 inch high-speed micro coax JTAG cable with 20-pin cTI (Compact TI) header
- Auto-sensing low I/O voltage support down to 0.5v
- Real-time, non-intrusive Advanced Event Triggering capability
- Windows® Plug n' Play installation
- Up to 100 times faster than XDS510 emulators
- Full Code Composer Studio IDE compatability for versions 2.2 and later
- Remote software available

MOUSER STOCK NO.	Blackhawk Part No.	Fig.	Description	Price Each
<a href="#">716-BH-USB-2000</a>	BH-USB-2000	A	USB2000 Controller	299.00
<a href="#">716-BH-USB-510L</a>	BH-USB-510L	B	USB510L Emulator	995.00
<a href="#">716-BH-PCI-560</a>	BH-PCI-560	C	PCI560 Emulator	2750.00
<a href="#">716-BH-USB-560BP</a>	BH-USB-560BP	D	USB560BP Emulator	2975.00
<a href="#">716-BH-USB-560M</a>	BH-USB-560M	E	USB560M Emulator	2999.00
<a href="#">716-BH-LAN-560</a>	BH-LAN-560	F	LAN560 Emulator	3495.00
<a href="#">716-BH-USB-560T</a>	BH-USB-560T	G	XDS560 Trace System	9995.00

## SOFTWARE

Blackhawk also features several Advanced Software Tools, POSIX OS and Emulation Utilities specifically geared to the Embedded space.

MOUSER STOCK NO.	Blackhawk Part No.	Fig.	Description	Price Each
<a href="#">716-BH-RES-PRO</a>	BH-RES-PRO	--	Remote Software Pro	995.00

## EMULATION ADAPTERS

### Isolation Adapters

The Blackhawk Isolation Adapter is a device that connects between your JTAG Emulator and the JTAG connector on your target board. The adapter is designed to minimize and protect connected devices (PC/Emulator/Target) from ground loop voltage, harsh environments and new, untested designs.

MOUSER STOCK NO.	Blackhawk Part No.	Fig.	Description	Price Each
<a href="#">716-BH-ADP-ISO-14</a>	BH-ADP-ISO-14	--	BH Isolation Adapter 14-pin	299.00
<a href="#">716-BH-ADP-ISO-20</a>	BH-ADP-ISO-20	--	BH Isolation Adapter 20-pin	299.00

### Pin Converters

Blackhawk provides several different emulation adapters to fit Texas Instruments standard JTAG target headers. Below is a list of emulation adapters currently available from Blackhawk or an authorized Blackhawk Reseller.

MOUSER STOCK NO.	Blackhawk Part No.	Fig.	Description	Price Each
<a href="#">716-BH-20ECTI-14TTI</a>	BH-20e_cTI-14t_TI	H	Adapter Pin Converter	100.00
<a href="#">716-BH-20ECTI-20TARM</a>	BH-20e_cTI-20t_ARM	I	Adapter Pin Converter	100.00
<a href="#">716-BH-20ECTI-60TTI</a>	BH-20e_cTI-60t_TI	J	Adapter Pin Converter	150.00
<a href="#">716-BH-14ETI-60TTI</a>	BH-14e_TI-60t_TI	K	Adapter Pin Converter	150.00
<a href="#">716-BH-14ETI-20TCTI</a>	BH-14e_TI-20t_cTI	L	Adapter Pin Converter	100.00
<a href="#">716-BH-60ETI-14TTI</a>	BH-60e_TI-14t_TI	--	Adapter Pin Converter	150.00
<a href="#">716-BH-60ETI-60TTI</a>	BH-60e_TI-60t_TI	--	Adapter Pin Saver	150.00

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