Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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CodeWarrior™ USB TAP
Run Control for Freescale™ Processors

The CodeWarrior™ USB TAP host target interface is a feature-packed, no nonsense run-control tool that allows developers to save precious development time during target bring-up and debug providing visibility into and control of Freescale™ on-chip debug (OCD) features. The USB TAP integrates seamlessly with the CodeWarrior integrated development environment, giving the developer a powerful tool for complex debug tasks. The USB TAP features broad Freescale processor support, complete run-control functionality and flash programming for fast downloads and convenient production testing.

Highlights
> High-speed USB 2.0 download

> Device is self-powered requiring no external power supply

> Run-control visibility and control

> Flash memory programming

> Low voltage target support

> Fully integrated with CodeWarrior tools and supports all CodeWarrior run-control debug features

Detailed Features
> Gain optimal performance:

  ▪ Split-second single-step execution

  ▪ Fast code download to target, depending on processor and target design

  ▪ Control and debug your software running in-target, with minimal intrusion into target operation

> Use software or hardware breakpoints

> Crash-proof control of the target processor

> Obtain and modify register contents

> Display and modify memory

> Control instruction execution

> Run/stop/step/reset

> Available with a variety of connectors to support a wide array of Freescale processor families

> The combination of USB TAP and CodeWarrior Development Studio provides:

  ▪ Powerful C/C++ C/C++ source correspondence

  ▪ Debug in ROM, RAM, and flash memory

Benefits
Visibility — In conjunction with the CodeWarrior debugger, the USB TAP makes it possible for a developer to view registers and the current state of target memory. Program execution can be halted at predefined states, and data for a particular program state can be examined.

Control — The state of the target system can be conveniently controlled by downloading code, manually modifying processor registers and memory, single-stepping through the code, or setting breakpoints.

Transparency — When using the USB TAP it is virtually indistinguishable from non-debug target execution.

Companion Products
For network or Ethernet debug capability, the CodeWarrior Ethernet TAP run-control product allows you to tap into the full potential of your chosen Freescale microprocessor and associated peripherals providing you with an Ethernet-connected, crash-proof development environment to conduct processor system test, debug and integration.

Part Numbers
USBTAP DPI (PQI) CWH-UTP-PPCD-HE

USBTAP JTAG (PQ II/III) CWH-UTP-PPCC-HE

USBTAP JTAG (ColdFire) CWH-UTP-CF-HE

USBTAP ONCE (DSC) CWH-UTP-ONCE-HE

Learn More: For more information about Freescale products, please visit **www.freescale.com/codewarrior**

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