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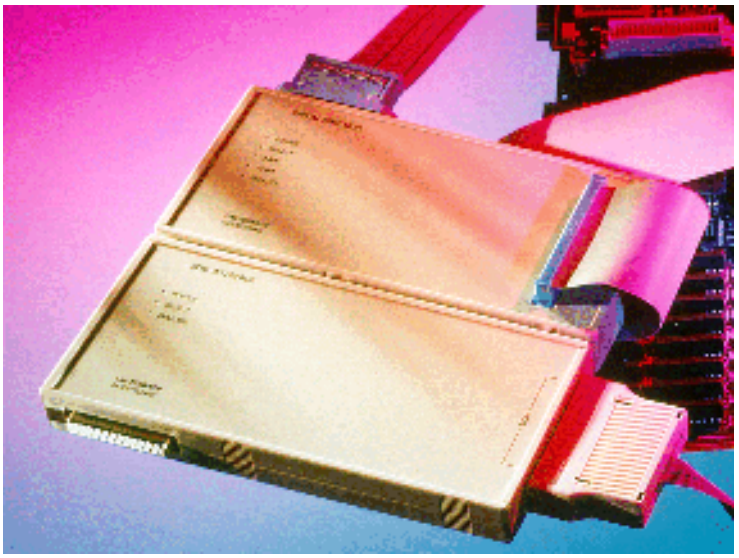
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Find the *Lauterbach LA-7708* at our website: ***Click HERE***

TRACE32®

Technical Information

BDM/JTAG Debugger



BDM/JTAG Debuggers

- Support for a wide range of on-chip debug interfaces
- Easy high-level and assembler debugging
- Interface to all compilers
- Fast download
- RTOS awareness
- Interface to all hosts
- Display of internal and external peripherals at a logical level
- Flash programming
- Hardware breakpoints and trigger (if supported by chip)
- Trace extension available
- Multiprocessor/multicore debugging
- Software trace
- Virtual analyzer
- USB, Ethernet or Parallel Interface

The Lauterbach product TRACE32-ICD supports a wide range of on-chip debug interfaces. The hardware for the debugger is universal and allows to interface different target processors by simply changing the debug cable and the software.

13.06.07

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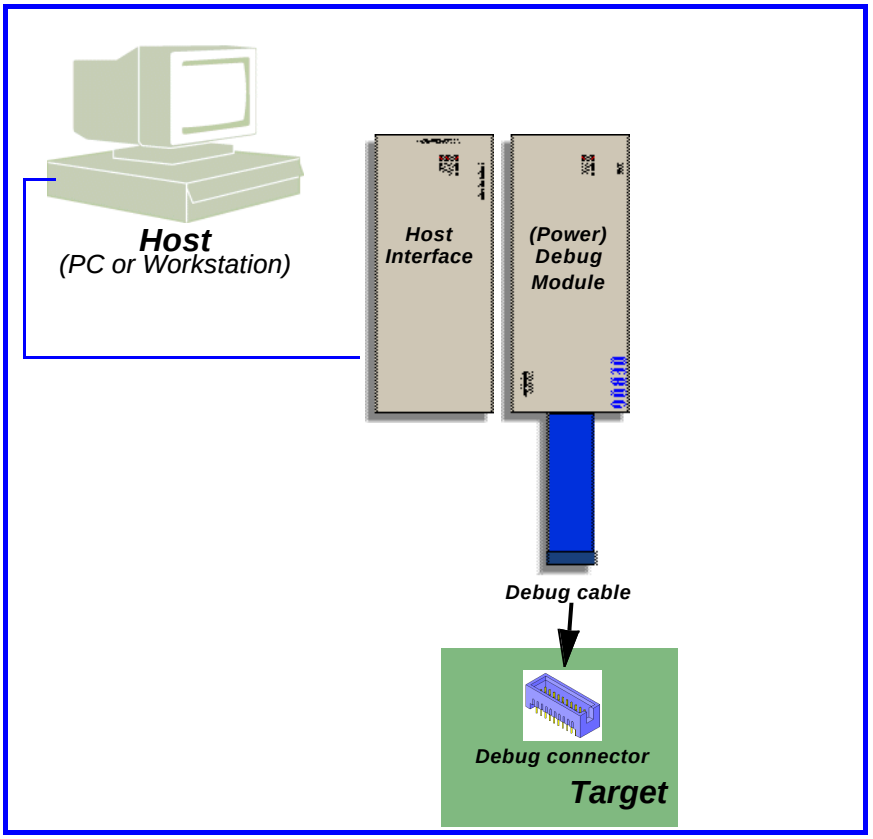
System Architecture

Introduction

The TRACE32 In-Circuit Debuggers are highly cost effective tools for debugging on assembler or HLL level.

The ICD-Debugger are mainly used as stand-alone debugger on a PC or work-station. But they are also offered as an extension to the In-Circuit Emulator

TRACE32-ICD Standard



Host Interfaces

- ❏ LPT
- ❏ ISA Card
- ❏ Ethernet

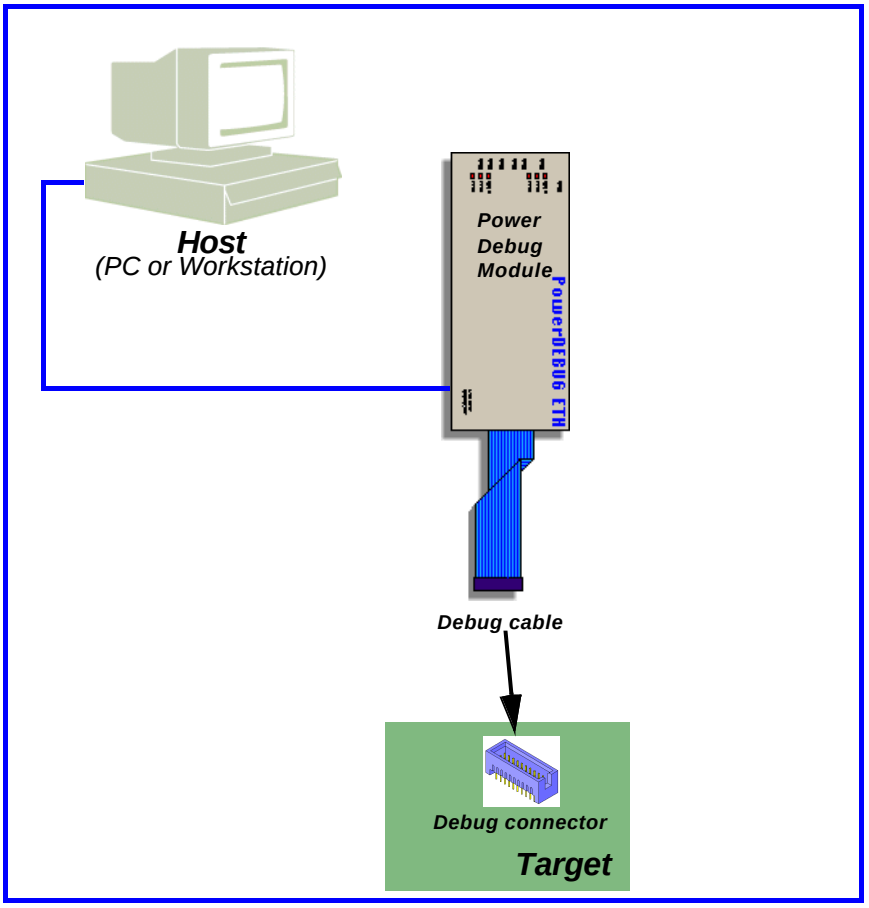
(Power) Debug Module

Universal debugger hardware for all architectures

CPU specific Debug Cable

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TRACE32-ICD PowerDebug



Power Debug Module

Universal debugger hardware for all architectures. Ethernet or USB interface included

CPU specific Debug Cable

Multiprocessor Debugging

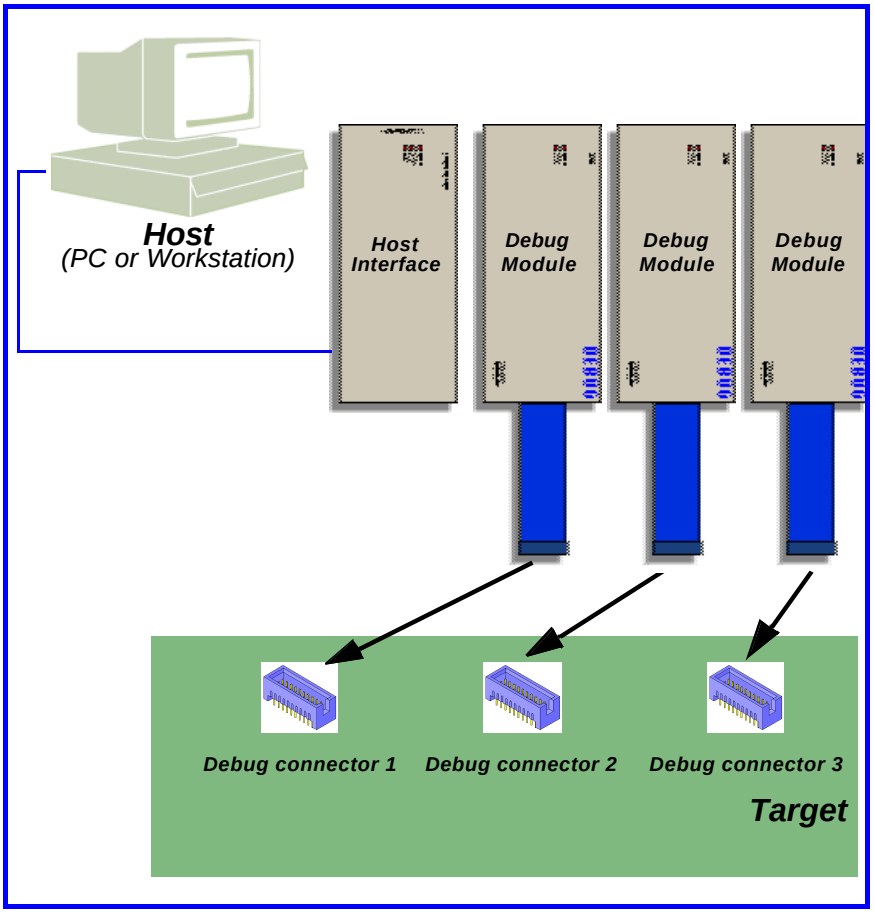
A maximum of 4 debuggers can be connected to a host interface to configure a multiprocessor development environment. It is of course also possible to use 2 debuggers and 2 trace modules. What hardware is controlled by which TRACE32 software component is defined via a configuration file.

Start/stop synchronization

If several processors are to be started and stopped simultaneously as far as possible it is necessary to define which functions as master and which as slave in the overall configuration. The system can also be set so that all processors double as master and slave so when any processor is started all other processors are started and when any pro-

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cessor is stopped all others are stopped. A synchronous start can be carried out within about 10µs. Synchronous stopping, for example at a breakpoint can be implemented exactly. As a basic requirement for this, however, the debug interface of the processor used must have a trigger input and a trigger output. If this is not the case, asynchronous stopping must be implemented by software means which takes correspondingly longer.



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Multicore Debugging

The term multicore debugging is applied to the testing of multiple cores on a chip.

If there are several cores integrated on a chip and each core has its own debug interface the same hardware and software configuration can be used as for multiprocessor debugging.

It´s a different picture if all cores are driven via the same debug interface in order to save pins. It is possible, for example to daisy-chain several cores that run via the same debug port. This is a popular solution at present for chips with ARM cores since this arrangement is very easy to implement with the JTAG interface. In this case the debugger requires the capability to work with a specific core in the chain and to ensure that the control sequences are passed through by the other cores. In the straightforward event that the developer only wants to work with a single core the position of the core in the chain can be set by software means.

If more then one core are to be tested simultaneously several debug modules are needed as in case of multiprocessor debugging. There must be several debug connectors with the same JTAG signals on the target system. Alternatively, it is also possible to use an adapter that splits up the JTAG interface for several debuggers.

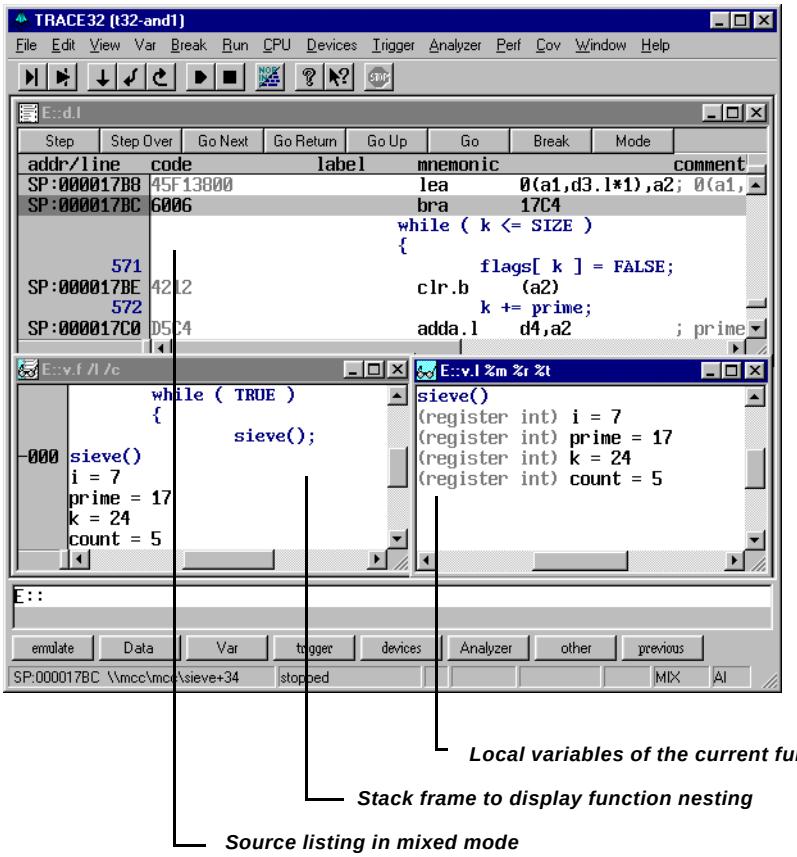
Since several debugger now use the same debug port, steps must be taken to ensure that only one debugger accesses the debug port at any time. This can be automated by the debug task on the host controlling who has exclusive access to the debug port through the use of a semaphore system.

There are of course other configuration options for multiple cores in a chip apart from daisy chaining. For more information on this topic contact our technical support.

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Software Concept Debugger

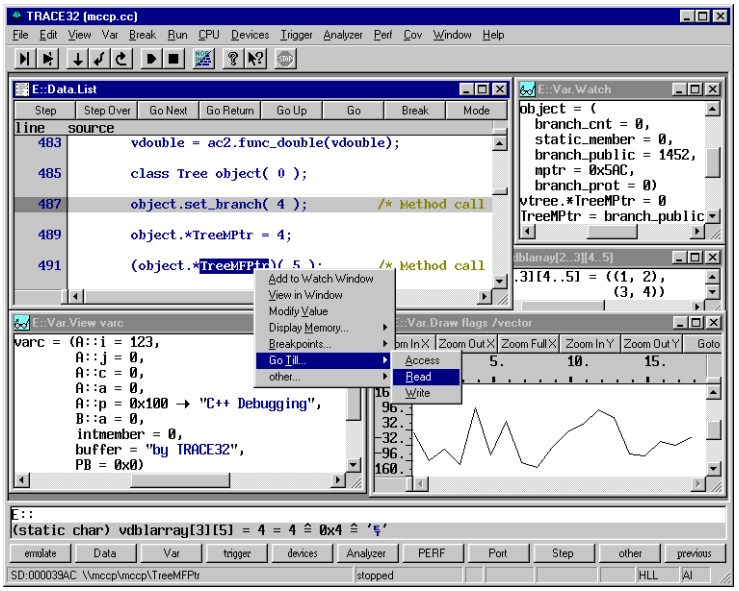
Symbolic Debugging



A hierarchical symbol database enables structured symbolic debugging. Symbol names can be up to 255 significant characters long and can be used to show single program addresses, module names and memory classes. The disassembler can use the symbols for labels and/or operands. Demangling for C++ signatures is supported.

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High-Level Language Debugging



TRACE32 can directly load the output of all standard compilers for C, C++, JAVA, Pascal, Modula2, PEARL and ADA from most compiler vendors. Program display and debugging can be done in assembler, high-level or in a mixture of both. It is possible to construct both assembler and high-level windows on the screen simultaneously. All variable types specific to the high-level language can be displayed and modified. Addresses can be absolute, relative or line number based.

Debugging

The debugger uses the following breakpoint implementations to stop the program execution at a certain instruction:

- ❏ unlimited number of software breakpoints for code in RAM
- ❏ a limited number of so-called onchip breakpoints for code in ROM/FLASH

The onchip breakpoints can also be used to stop the program execution after a read/write access to a specific memory address.

The number of available onchip breakpoints depends on the resources provides by the CPU used.

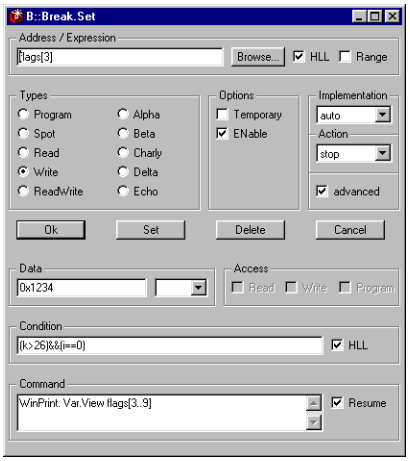
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Advanced breakpoints

TRACE32-ICD provides also a simple way to set complex break conditions:

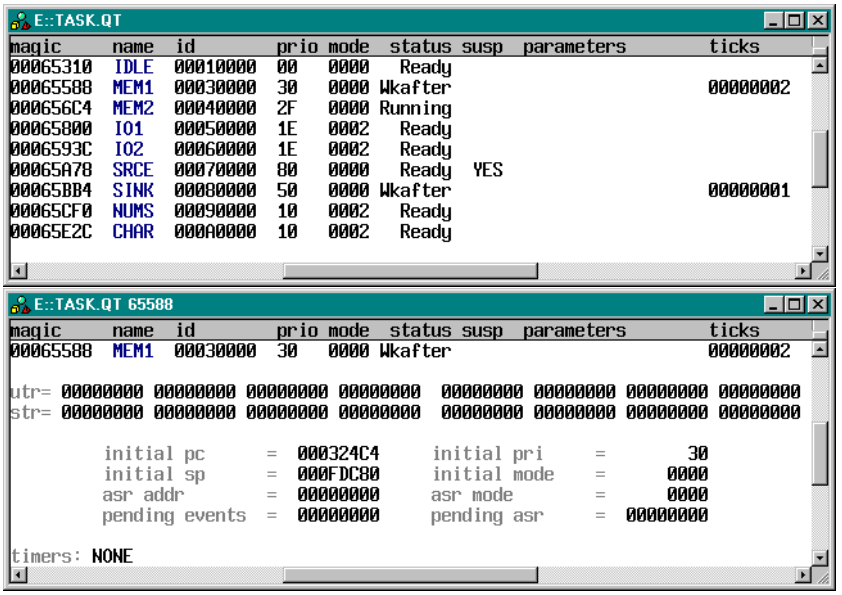
- Setting of breakpoints to the reading and writing of specific data values
- Linking the breakpoint with a condition
- Linking the breakpoint with commands that are executed whenever the breakpoint is reached
- Spot breakpoints on data accesses

A combination of all 4 new features is also possible.



RTOS Awareness

The In-Circuit Debuggers provide display functions, closely mirroring the command set of the integral debugger of the RTOS. The system resources e.g. tasks, objects, partitions, queues, regions and semaphores can be displayed. These functions are also available if the integral debugger is not linked to the software.

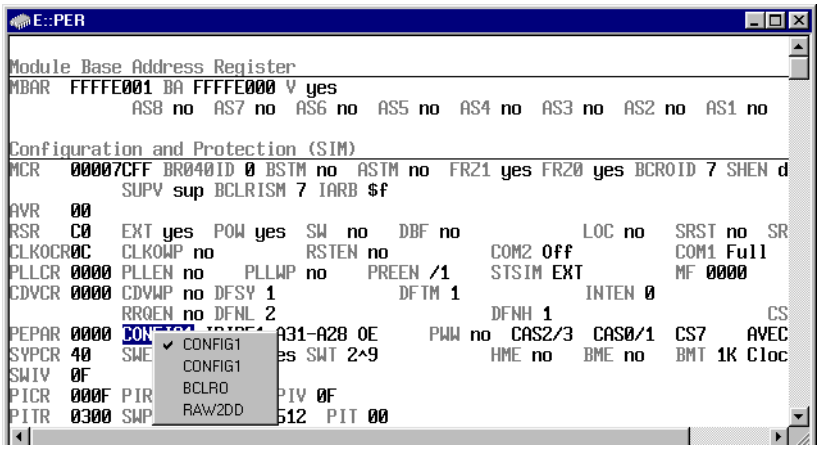


Task list window and detailed window of one specific task

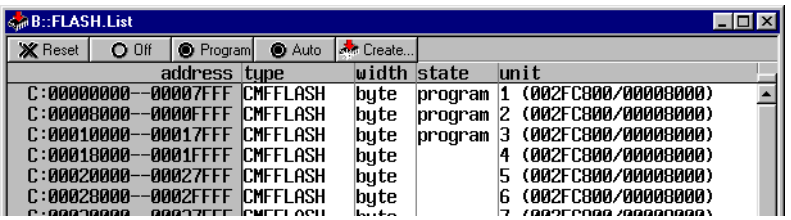
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Peripherals

- ❏ Display of onchip peripherals
- ❏ User definable display of the onchip peripherals
- ❏ Definition is done interactive supported by softkeys
- ❏ Pull down menues for settings
- ❏ Additional description for each field
- ❏



Flash Programming



TRACE32 support the programming of external flash memory as well as the programming of internal flash memory of microcontrollers. The programming can be controlled by the debugger or by a routine in the target system.

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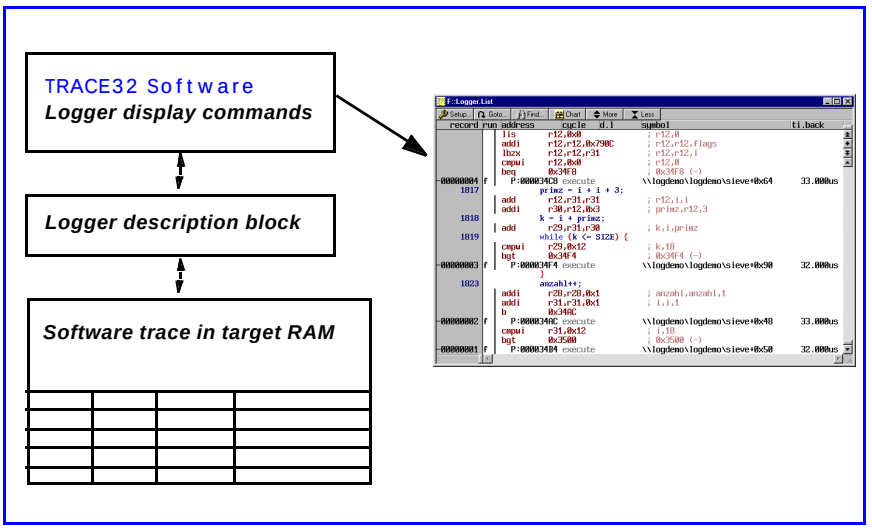
Software Trace

If your TRACE32-ICD is not equipped with a trace extension you can use the software trace feature to sample data and program information.

Here instead of the real trace memory an array structure on the target is used to store the trace data. Entries to this array can be made by instrumenting the target program.

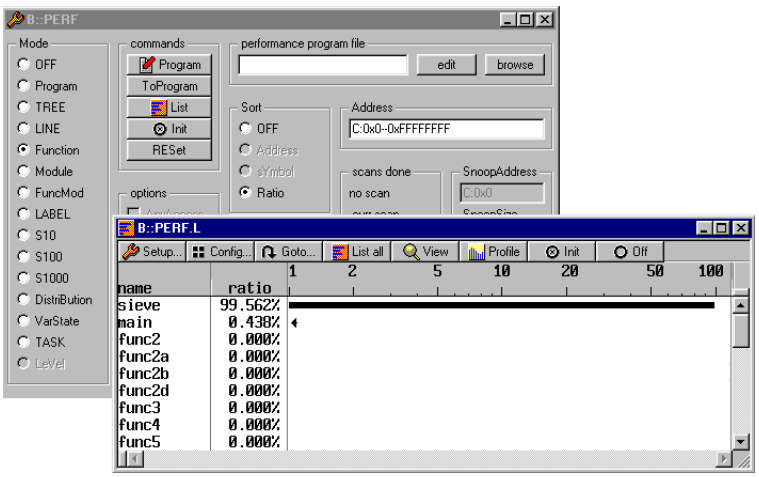
The same trace display commands can be used for the software trace and the real trace memory. This includes performance measurements and time charting. A typical use of the software trace is the trace and analysis of task switches.

A program flow trace is available for architectures which provide a ´branch trace´ capability, like all PowerPC families and the SuperH SH4.



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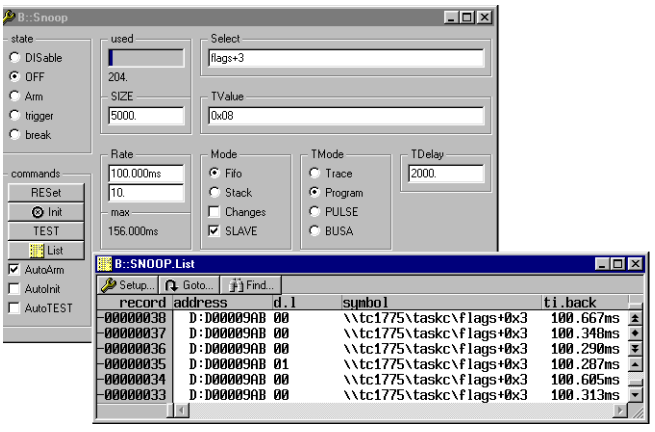
Performance Analysis



Virtual Analyzer

TRACE32-ICD provides the feature to monitor changes in selected data over a period of time. As a basic requirement for this feature, the debug interface of the CPU used must support to read the target memory while the program is running.

To monitor selected data the virtual analyzer reads out the corresponding memory cells in a fixed time pattern during the program run and transfers their contents to its virtual trace memory. Since the virtual trace is pure software it can be of any size.



Powerful Script Language

The TRACE32 batch language PRACTICE support automatic test, automatic system configurations and the construction of command macros to expedite our development cycle.

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GUI Customization

The TRACE32 user interface is open and allows to adapt menus, buttons and dialogue boxes intuitively to the customers need.

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Supported Processors

CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
703500			YES				YES
70F3111			YES		YES		YES
70F3134			YES				YES
70F3186			YES				YES
70F3187			YES				YES
70F3231			YES				YES
70F3231Y			YES				YES
70F3232			YES				YES
70F3232Y			YES				YES
70F3233			YES				YES
70F3233Y			YES				YES
70F3234			YES				YES
70F3234Y			YES				YES
70F3235			YES				YES
70F3235Y			YES				YES
70F3236			YES				YES
70F3236Y			YES				YES
70F3237			YES				YES
70F3237Y			YES				YES
70F3238			YES				YES
70F3238Y			YES				YES
70F3239			YES				YES
70F3239Y			YES				YES
70F3261			YES				YES
70F3261Y			YES				YES
70F3263			YES				YES
70F3263Y			YES				YES
70F3264			YES				YES
70F3264Y			YES				YES
70F3266			YES				YES
70F3266Y			YES				YES
70F3271			YES				YES
70F3271Y			YES				YES
70F3273			YES				YES
70F3273Y			YES				YES
70F3274			YES				YES
70F3274Y			YES				YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
70F3276			YES				YES
70F3276Y			YES				YES
70F3281			YES				YES
70F3281Y			YES				YES
70F3283			YES				YES
70F3283Y			YES				YES
70F3284			YES				YES
70F3284Y			YES				YES
70F3286			YES				YES
70F3286Y			YES				YES
70F3288			YES				YES
70F3288Y			YES				YES
70F3318			YES				YES
70F3319			YES				YES
70F3320			YES				YES
70F3325			YES				YES
70F3333			YES				YES
70F3334			YES				YES
70F3335			YES				YES
70F3336			YES				YES
70F3340			YES				YES
70F3341			YES				YES
70F3342			YES				YES
70F3343			YES				YES
70F3344			YES				YES
70F3345			YES				YES
70F3346			YES				YES
70F3347			YES				YES
70F3348			YES				YES
70F3350			YES				YES
70F3351			YES				YES
70F3352			YES				YES
70F3353			YES				YES
70F3354			YES				YES
70F3355			YES				YES
70F3356			YES				YES
70F3357			YES				YES
70F3358			YES				YES
70F3364			YES				YES
70F3365			YES				YES
70F3366			YES				YES
70F3367			YES				YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
70F3368			YES				YES
70F3370			YES				YES
70F3371			YES				YES
70F3372			YES				YES
70F3373			YES				YES
70F3374			YES				YES
70F3375			YES				YES
70F3376			YES				YES
70F3377			YES				YES
70F3378			YES				YES
70F3379			YES				YES
70F3380			YES				YES
70F3381			YES				YES
70F3382			YES				YES
70F3383			YES				YES
70F3384			YES				YES
70F3385			YES				YES
70F3402			YES				YES
70F3403			YES				YES
70F3420			YES				YES
70F3421			YES				YES
70F3422			YES				YES
70F3423			YES				YES
70F3424			YES				YES
70F3425			YES				YES
70F3426			YES				YES
70F3427			YES				YES
70F3440			YES				YES
70F3441			YES				YES
70F3700			YES				YES
70F3701			YES				YES
70F3702			YES				YES
70F3703			YES				YES
70F3704			YES				YES
70F3706			YES				YES
70F3707			YES				YES
70F3709			YES				YES
70F3710			YES				YES
70F3711			YES				YES
70F3712			YES				YES
70F3715			YES				YES
70F3716			YES				YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
70F3717			YES				YES
70F3718			YES				YES
70F3719			YES				YES
70F3720			YES				YES
70F3721			YES				YES
70F3722			YES				YES
70F3723			YES				YES
70F3724			YES				YES
80200			YES				YES
80219			YES				YES
80321			YES				YES
80331			YES				YES
80332			YES				YES
80333			YES				YES
81342			YES				YES
88E6208			YES	YES			YES
88E6218			YES	YES			YES
88F5181			YES	YES			YES
88F5181L			YES	YES			YES
88F5182			YES	YES			YES
88FR101			YES	YES	YES		YES
88FR111			YES	YES	YES		YES
88FR301			YES	YES	YES		YES
88FR331			YES	YES			YES
88FR531			YES	YES			YES
88I6745			YES	YES			YES
8XC196EA	YES		YES	YES			
AAEC-2000			YES	YES			YES
AD20MSP430			YES	YES			YES
AD6522			YES	YES			YES
AD6526			YES	YES			YES
AD6528			YES	YES			YES
AD6529			YES	YES			YES
AD6532			YES	YES			YES
ADSP-BF531			YES				
ADSP-BF532			YES				
ADSP-BF533			YES				
ADSP-BF534			YES				
ADSP-BF536			YES				
ADSP-BF537			YES				
ADSP-BF538			YES				
ADSP-BF538F			YES				

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
ADUC7020			YES	YES			YES
ADUC7021			YES	YES			YES
ADUC7022			YES	YES			YES
ADUC7024			YES	YES			YES
ADUC7025			YES	YES			YES
ADUC7026			YES	YES			YES
ADUC7027			YES	YES			YES
ADUC7030			YES	YES			YES
ADUC7032			YES	YES			YES
ADUC7033			YES	YES			YES
ADUC7128			YES	YES			YES
ALUMINIUM			YES				YES
AR7			YES				YES
ARC-A5			YES				
ARC605			YES				
ARC610D			YES				
ARC625D			YES				
ARC710D			YES				
ARC725D			YES				
ARC750D			YES				
ARM1020E			YES	YES	YES		YES
ARM1022E			YES	YES	YES		YES
ARM1026EJ-S			YES	YES	YES		YES
ARM1136J-S			YES	YES	YES		YES
ARM1136JF-S			YES	YES	YES		YES
ARM1156T2-S			YES	YES	YES		YES
ARM1156T2F-S			YES	YES	YES		YES
ARM1176JZ-S			YES	YES	YES		YES
ARM1176JZF-S			YES	YES	YES		YES
ARM710T			YES	YES	YES		YES
ARM710T-AMBA		YES	YES	YES	YES		YES
ARM720T			YES	YES	YES		YES
ARM720T-AMBA		YES	YES	YES	YES		YES
ARM740T			YES	YES	YES		YES
ARM740T-AMBA		YES	YES	YES	YES		YES
ARM7EJ-S			YES	YES	YES		YES
ARM7TDMI	YES	YES	YES	YES	YES		YES
ARM7TDMI-AMBA	YES	YES	YES	YES	YES		YES
ARM7TDMI-S			YES	YES	YES		YES
ARM910T			YES	YES	YES		YES
ARM920T			YES	YES	YES		YES
ARM922T			YES	YES	YES		YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
ARM926EJ-S			YES	YES	YES		YES
ARM940T			YES	YES	YES		YES
ARM946E-S			YES	YES	YES		YES
ARM966E-S			YES	YES	YES		YES
ARM968E-S			YES	YES	YES		YES
ARM9E-S			YES	YES	YES		YES
ARM9TDMI			YES	YES	YES		YES
AT75C220			YES	YES			YES
AT75C310			YES	YES			YES
AT75C320			YES	YES			YES
AT76C501			YES	YES			YES
AT76C502			YES	YES			YES
AT76C502A			YES	YES			YES
AT76C503			YES	YES			YES
AT76C503A			YES	YES			YES
AT76C510			YES	YES			YES
AT76C551			YES	YES			YES
AT76C901			YES	YES			YES
AT78C1501			YES	YES			YES
AT91F40416			YES	YES			YES
AT91F40816			YES	YES			YES
AT91FR40162			YES	YES			YES
AT91FR4042			YES	YES			YES
AT91FR4081			YES	YES			YES
AT91M40100			YES	YES			YES
AT91M40400			YES	YES			YES
AT91M40403			YES	YES			YES
AT91M40800			YES	YES			YES
AT91M40807			YES	YES			YES
AT91M42800A			YES	YES			YES
AT91M43300			YES	YES			YES
AT91M55800A			YES	YES			YES
AT91M63200			YES	YES			YES
AT91R40008			YES	YES			YES
AT91R40807			YES	YES			YES
AT91RM3400			YES	YES			YES
AT91RM9200			YES	YES	YES		YES
AT91SAM7A1			YES	YES			YES
AT91SAM7A2			YES	YES			YES
AT91SAM7A3			YES	YES			YES
AT91SAM7S128			YES	YES			YES
AT91SAM7S256			YES	YES			YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
AT91SAM7S32			YES	YES			YES
AT91SAM7S321			YES	YES			YES
AT91SAM7S64			YES	YES			YES
AT91SAM7SE256			YES	YES			YES
AT91SAM7SE32			YES	YES			YES
AT91SAM7SE512			YES	YES			YES
AT91SAM7X128			YES	YES			YES
AT91SAM7X256			YES	YES			YES
AT91SAM7XC128			YES	YES			YES
AT91SAM7XC256			YES	YES			YES
AT91SAM9260			YES	YES			YES
AT91SAM9261			YES	YES	YES		YES
AT91SAM9263			YES	YES	YES		YES
AT91SC321RC			YES	YES			YES
AU1000			YES				YES
AU1000LP			YES				YES
AU1000N			YES				YES
AU1100			YES				YES
AU1200			YES				YES
AU1500			YES				YES
AU1550			YES				YES
BC6911			YES	YES			YES
BCM1101			YES				YES
BCM1103			YES				YES
BCM1113			YES				YES
BCM1125			YES				YES
BCM1250			YES				YES
BCM3349			YES				YES
BCM4704			YES				YES
BCM5350			YES				YES
BCM5365			YES				YES
BCM6338			YES				YES
BCM6345			YES				YES
BCM6348			YES				YES
BCM6358			YES				YES
BCM6550			YES				YES
BCM7038			YES				YES
BCM7111			YES				YES
BCM7312			YES				YES
BCM7317			YES				YES
BCM7318			YES				YES
BCM7401			YES				YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
BCM7402			YES				YES
BERYLLIUM			YES	YES			YES
BU7611AKU			YES	YES			YES
C161U		YES	YES	YES	YES		YES
C165H		YES	YES	YES	YES		YES
C165UTAH		YES	YES	YES	YES		YES
C166CBC			YES	YES	YES		YES
CBC32XXA			YES	YES			YES
CDC3207G			YES	YES	YES		YES
CDC3272G			YES	YES	YES		YES
CDC32XXG			YES	YES			YES
CDL-82			YES	YES			YES
CDMAX			YES	YES			YES
CEA32XXA			YES	YES			YES
CEVA-X1620			YES				
CL-PS7110			YES	YES			YES
CL-PS7111			YES	YES			YES
CL-PS7500FE			YES	YES			YES
CL-SH8665			YES	YES			YES
CL-SH8668			YES	YES			YES
CLARITY			YES	YES			YES
CN9414			YES	YES			YES
CORTEX-A8			YES	YES	YES		YES
CORTEX-M3			YES	YES	YES		YES
CORTEX-R4			YES	YES	YES		YES
CS22210			YES	YES			YES
CS22220			YES	YES			YES
CS22230			YES	YES			YES
CS22250			YES	YES			YES
CS22270			YES	YES			YES
CS89712			YES	YES			YES
CSM5000			YES	YES			YES
CSM5200			YES	YES			YES
CX22490			YES	YES			YES
CX22491			YES	YES			YES
CX22492			YES	YES			YES
CX22496			YES	YES			YES
CX81210			YES	YES			YES
CX81400			YES	YES			YES
CX82100			YES	YES			YES
D5205			YES	YES			YES
D5313			YES	YES			YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
D5314			YES	YES			YES
DC_108MINI			YES				
DC_212GP			YES				
DC_232L			YES				
DC_330HIFI			YES				
DC_454CK			YES				
DC_570T			YES				
DIGICOLOR-OA980			YES	YES			YES
DRAGONBALL MX1			YES	YES	YES		YES
DSP56002			YES				
DSP56004			YES				
DSP56005			YES				
DSP56156			YES				
DSP56166			YES				
DSP56301			YES				
DSP56303			YES				
DSP56307			YES				
DSP56309			YES				
DSP56311			YES				
DSP56321			YES				
DSP56362			YES				
DSP56364			YES				
DSP56366			YES				
DSP56367			YES				
DSP56371			YES				
DSP56374			YES				
DSP56824			YES				
DSP56852			YES				
DSP56853			YES				
DSP56854			YES				
DSP56855			YES				
DSP56857			YES				
DSP56858			YES				
DSP56F801			YES				
DSP56F802			YES				
DSP56F803			YES				
DSP56F805			YES				
DSP56F807			YES				
DSP56F8122			YES				
DSP56F8123			YES				
DSP56F8135			YES				
DSP56F8145			YES				

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
DSP56F8146			YES				
DSP56F8147			YES				
DSP56F8155			YES				
DSP56F8156			YES				
DSP56F8157			YES				
DSP56F8165			YES				
DSP56F8166			YES				
DSP56F8167			YES				
DSP56F826			YES				
DSP56F827			YES				
DSP56F8322			YES				
DSP56F8323			YES				
DSP56F8335			YES				
DSP56F8345			YES				
DSP56F8346			YES				
DSP56F8347			YES				
DSP56F8355			YES				
DSP56F8356			YES				
DSP56F8357			YES				
DSP56F8365			YES				
DSP56F8366			YES				
DSP56F8367			YES				
EP7209			YES	YES			YES
EP7211			YES	YES			YES
EP7212			YES	YES			YES
EP7309			YES	YES			YES
EP7311			YES	YES			YES
EP7312			YES	YES			YES
EP7339			YES	YES			YES
EP7407			YES	YES			YES
EP9301			YES	YES			YES
EP9307			YES	YES			YES
EP9312			YES	YES			YES
EP9315			YES	YES			YES
EPXA1			YES	YES	YES		YES
EPXA10			YES	YES	YES		YES
EPXA4			YES	YES	YES		YES
ERTEC200			YES	YES	YES		YES
FA526			YES	YES			YES
GEMINI			YES	YES	YES		YES
GMS30C7201			YES	YES			YES
GP4020			YES	YES			YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
H8S/2319			YES	YES			YES
H8S/2329			YES	YES			YES
H8S/2339			YES	YES			YES
H8S/2367			YES	YES			YES
H8S/2368			YES	YES			YES
H8S/2377			YES	YES			YES
H8S/2378			YES	YES			YES
HELIUM 100			YES	YES			YES
HELIUM 200			YES	YES			YES
HELIUM 210			YES	YES			YES
HELIUM 500			YES	YES			YES
HMS30C7202			YES	YES			YES
HMS31C2816			YES	YES			YES
HMS39C70512			YES	YES			YES
HMS39C7092			YES	YES			YES
I.MX31			YES	YES	YES		YES
INCA-IP PSB2155			YES				YES
INCA-P			YES	YES	YES		YES
INFOSTREAM			YES	YES			YES
IOP321			YES				YES
IOP331			YES				YES
IOP332			YES				YES
IOP333			YES				YES
IOP342			YES				YES
IOP480			YES		YES		YES
IXC1100			YES				YES
IXP220			YES	YES			YES
IXP225			YES	YES			YES
IXP2325			YES				YES
IXP2350			YES				YES
IXP2400			YES				YES
IXP2800			YES				YES
IXP2805			YES				YES
IXP2850			YES				YES
IXP2855			YES				YES
IXP420			YES				YES
IXP421			YES				YES
IXP422			YES				YES
IXP423			YES				YES
IXP425			YES				YES
IXP455			YES				YES
IXP460			YES				YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
IXP465			YES				YES
JANUS2			YES		YES		YES
JANUS200			YES		YES		YES
JANUS220			YES		YES		YES
JANUSCC			YES		YES		YES
KS17C40025			YES	YES			YES
KS17F80013			YES	YES			YES
KS32C61100			YES	YES			YES
KS32P6632			YES	YES			YES
L64324			YES	YES			YES
L7200			YES	YES			YES
L7205			YES	YES			YES
L7210			YES	YES			YES
LH75400			YES	YES			YES
LH75401			YES	YES			YES
LH75410			YES	YES			YES
LH75411			YES	YES			YES
LH77790			YES	YES			YES
LH79520			YES	YES			YES
LH7A400			YES	YES			YES
LH7A404			YES	YES			YES
LH7A405			YES	YES			YES
LITHIUM			YES	YES			YES
LOGIC CBP3.0			YES	YES			YES
LOGIC CBP4.0			YES	YES			YES
LOGIC L64324			YES	YES			YES
LPC2101			YES	YES	YES		YES
LPC2102			YES	YES	YES		YES
LPC2103			YES	YES	YES		YES
LPC2104			YES	YES	YES		YES
LPC2105			YES	YES	YES		YES
LPC2106			YES	YES	YES		YES
LPC2109			YES	YES	YES		YES
LPC2112			YES	YES	YES		YES
LPC2114			YES	YES	YES		YES
LPC2119			YES	YES	YES		YES
LPC2124			YES	YES	YES		YES
LPC2129			YES	YES	YES		YES
LPC2131			YES	YES	YES		YES
LPC2131/01			YES	YES	YES		YES
LPC2132			YES	YES	YES		YES
LPC2132/01			YES	YES	YES		YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
LPC2134			YES	YES	YES		YES
LPC2134/01			YES	YES	YES		YES
LPC2136			YES	YES	YES		YES
LPC2136/01			YES	YES	YES		YES
LPC2138			YES	YES	YES		YES
LPC2138/01			YES	YES	YES		YES
LPC2141			YES	YES	YES		YES
LPC2142			YES	YES	YES		YES
LPC2144			YES	YES	YES		YES
LPC2146			YES	YES	YES		YES
LPC2148			YES	YES	YES		YES
LPC2194			YES	YES	YES		YES
LPC2210			YES	YES	YES		YES
LPC2212			YES	YES	YES		YES
LPC2214			YES	YES	YES		YES
LPC2220			YES	YES	YES		YES
LPC2290			YES	YES	YES		YES
LPC2292			YES	YES	YES		YES
LPC2294			YES	YES	YES		YES
LPC2364			YES	YES	YES		YES
LPC2366			YES	YES	YES		YES
LPC2368			YES	YES	YES		YES
LPC2458			YES	YES	YES		YES
LPC2468			YES	YES	YES		YES
LPC2880			YES	YES	YES		YES
LPC2888			YES	YES	YES		YES
LPC3000			YES	YES			YES
LPC3180			YES	YES			YES
LSI402ZX			YES				
LSI403LP			YES				
LSI403Z			YES				
LX4189			YES		YES		YES
LX4X80			YES		YES		YES
LX5180			YES		YES		YES
LX5280(RTL8650)			YES		YES		YES
M310			YES				
M32176			YES		YES		
M32180			YES		YES		
M32192			YES		YES		
M340			YES				
M4641			YES	YES			YES
M8051EW			YES				

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
MAC7101			YES	YES	YES		YES
MAC7104			YES	YES	YES		YES
MAC7105			YES	YES	YES		YES
MAC7111			YES	YES	YES		YES
MAC7112			YES	YES	YES		YES
MAC7114			YES	YES	YES		YES
MAC7115			YES	YES	YES		YES
MAC7116			YES	YES	YES		YES
MAC7121			YES	YES	YES		YES
MAC7122			YES	YES	YES		YES
MAC7124			YES	YES	YES		YES
MAC7131			YES	YES	YES		YES
MAC7134			YES	YES	YES		YES
MAC7135			YES	YES	YES		YES
MAC7136			YES	YES	YES		YES
MAC7141			YES	YES	YES		YES
MAC7202			YES	YES	YES		YES
MAC7212			YES	YES	YES		YES
MAC7222			YES	YES	YES		YES
MAC7241			YES	YES	YES		YES
MAC7242			YES	YES	YES		YES
MAC7252			YES	YES	YES		YES
MC68330	YES		YES	YES			YES
MC68331	YES		YES	YES			YES
MC68332	YES		YES	YES			YES
MC68334	YES		YES	YES			YES
MC68336	YES		YES	YES			YES
MC68338	YES		YES	YES			YES
MC68340	YES		YES	YES			YES
MC68341	YES		YES	YES			YES
MC68349	YES		YES	YES			YES
MC68356	YES		YES	YES			YES
MC68360	YES		YES	YES			YES
MC68376	YES		YES	YES			YES
MC68EN360	YES		YES	YES			YES
MC68F333	YES		YES	YES			YES
MC68HC16X1	YES		YES				YES
MC68HC16Y1	YES		YES				YES
MC68HC16Z	YES		YES				YES
MC68HC812A4	YES		YES				YES
MC68HC912B32	YES		YES				YES
MC68HC912BC32	YES		YES				YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
MC68HC912D60	YES	YES	YES				YES
MC68HC912DA128	YES		YES				YES
MC68HC912DG128	YES	YES	YES				YES
MC68HC912DT128	YES	YES	YES				YES
MC68HC916Y1	YES		YES				YES
MC68MH360	YES		YES	YES			YES
MC9328MX1			YES	YES	YES		YES
MC9328MX21			YES	YES			YES
MC9S08AW16			YES				YES
MC9S08AW32			YES				YES
MC9S08AW48			YES				YES
MC9S08AW60			YES				YES
MC9S08GB32			YES				YES
MC9S08GB60			YES				YES
MC9S08GT16			YES				YES
MC9S08GT32			YES				YES
MC9S08GT60			YES				YES
MC9S08RC16			YES				YES
MC9S08RC32			YES				YES
MC9S08RC60			YES				YES
MC9S08RC8			YES				YES
MC9S08RD16			YES				YES
MC9S08RD32			YES				YES
MC9S08RD60			YES				YES
MC9S08RD8			YES				YES
MC9S08RE16			YES				YES
MC9S08RE32			YES				YES
MC9S08RE60			YES				YES
MC9S08RE8			YES				YES
MC9S08RG32			YES				YES
MC9S08RG60			YES				YES
MC9S12A128		YES	YES				YES
MC9S12A256		YES	YES				YES
MC9S12A64		YES	YES				YES
MC9S12B128		YES	YES				YES
MC9S12B256		YES	YES				YES
MC9S12B64		YES	YES				YES
MC9S12C128		YES	YES				YES
MC9S12C32		YES	YES				YES
MC9S12C64		YES	YES				YES
MC9S12C96		YES	YES				YES
MC9S12D64		YES	YES				YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
MC9S12DB128		YES	YES				YES
MC9S12DG128		YES	YES				YES
MC9S12DG256		YES	YES				YES
MC9S12DJ128		YES	YES				YES
MC9S12DJ256		YES	YES				YES
MC9S12DJ64		YES	YES				YES
MC9S12DP256		YES	YES				YES
MC9S12DP512		YES	YES				YES
MC9S12DT128		YES	YES				YES
MC9S12DT256		YES	YES				YES
MC9S12GC128		YES	YES				YES
MC9S12GC16		YES	YES				YES
MC9S12GC32		YES	YES				YES
MC9S12GC64		YES	YES				YES
MC9S12GC96		YES	YES				YES
MC9S12H256			YES				YES
MC9S12HZ128			YES				YES
MC9S12HZ256			YES				YES
MC9S12KG128		YES	YES				YES
MC9S12KG256		YES	YES				YES
MC9S12KG32		YES	YES				YES
MC9S12KG64		YES	YES				YES
MC9S12KT256		YES	YES				YES
MC9S12XB128		YES	YES				YES
MC9S12XB256		YES	YES				YES
MC9S12XD128		YES	YES				YES
MC9S12XD256		YES	YES				YES
MC9S12XD64		YES	YES				YES
MC9S12XDG128		YES	YES				YES
MC9S12XDP512		YES	YES				YES
MC9S12XDQ256		YES	YES				YES
MC9S12XDT256		YES	YES				YES
MC9S12XDT384		YES	YES				YES
MC9S12XDT512		YES	YES				YES
MC9S12XEG128		YES	YES				YES
MC9S12XEP100		YES	YES				YES
MC9S12XEP768		YES	YES				YES
MC9S12XEQ384		YES	YES				YES
MC9S12XEQ512		YES	YES				YES
MC9S12XET256		YES	YES				YES
MC9S12XF128		YES	YES				YES
MC9S12XF256		YES	YES				YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
MC9S12XF384		YES	YES				YES
MC9S12XF512		YES	YES				YES
MC9S12XFE128		YES	YES				YES
MC9S12XFR128		YES	YES				YES
MCF5202			YES		YES		YES
MCF5203			YES		YES		YES
MCF5204			YES		YES		YES
MCF5206			YES		YES		YES
MCF5206E			YES		YES		YES
MCF5207			YES		YES		YES
MCF5208			YES		YES		YES
MCF5211			YES		YES		YES
MCF5212			YES		YES		YES
MCF5213			YES		YES		YES
MCF5214			YES		YES		YES
MCF5216			YES		YES		YES
MCF52221			YES		YES		YES
MCF52223			YES		YES		YES
MCF52230			YES		YES		YES
MCF52231			YES		YES		YES
MCF52233			YES		YES		YES
MCF52234			YES		YES		YES
MCF52235			YES		YES		YES
MCF5232			YES		YES		YES
MCF5233			YES		YES		YES
MCF5234			YES		YES		YES
MCF5235			YES		YES		YES
MCF5249			YES		YES		YES
MCF5249L			YES		YES		YES
MCF5270			YES		YES		YES
MCF5271			YES		YES		YES
MCF5272			YES		YES		YES
MCF5274			YES		YES		YES
MCF5274L			YES		YES		YES
MCF5275			YES		YES		YES
MCF5275L			YES		YES		YES
MCF5280			YES		YES		YES
MCF5281			YES		YES		YES
MCF5282			YES		YES		YES
MCF5307			YES		YES		YES
MCF5307A			YES		YES		YES
MCF5307B			YES		YES		YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
MCF5327			YES		YES		YES
MCF5328			YES		YES		YES
MCF5329			YES		YES		YES
MCF5372			YES		YES		YES
MCF5372L			YES		YES		YES
MCF5373			YES		YES		YES
MCF5373L			YES		YES		YES
MCF5407			YES		YES		YES
MCF5470			YES		YES		YES
MCF5471			YES		YES		YES
MCF5472			YES		YES		YES
MCF5473			YES		YES		YES
MCF5474			YES		YES		YES
MCF5475			YES		YES		YES
MCF5480			YES		YES		YES
MCF5481			YES		YES		YES
MCF5482			YES		YES		YES
MCF5483			YES		YES		YES
MCF5484			YES		YES		YES
MCF5485			YES		YES		YES
MCS12KC128		YES	YES				YES
MCS12KC64		YES	YES				YES
MCS12KL128		YES	YES				YES
MCS12KL64		YES	YES				YES
MDEB			YES		YES		YES
MDED			YES		YES		YES
MGT5100			YES				YES
MGT560			YES		YES		YES
MICROBLAZE			YES				YES
MIPS32 24K			YES				YES
MIPS32 4KC			YES		YES		YES
MIPS32 4KEC			YES		YES		YES
MIPS32 4KM			YES				YES
MIPS32 4KP			YES				YES
MIPS32 4KSD			YES				YES
MIPS64 20KC			YES				YES
MIPS64 5KC			YES				YES
MIPS64 5KF			YES				YES
MKY-82A			YES	YES			YES
MKY-85			YES	YES			YES
ML670100			YES	YES			YES
ML671000			YES	YES			YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
ML674000			YES	YES			YES
ML674001			YES	YES			YES
ML674080			YES	YES			YES
ML675001			YES	YES			YES
ML675200			YES	YES			YES
ML675300			YES	YES			YES
ML67Q2003			YES	YES			YES
ML67Q2300			YES	YES			YES
ML67Q2301			YES	YES			YES
ML67Q4002			YES	YES			YES
ML67Q4003			YES	YES			YES
ML67Q4100			YES	YES			YES
ML67Q5002			YES	YES			YES
ML67Q5003			YES	YES			YES
ML67Q5200			YES	YES			YES
ML67Q5300			YES	YES			YES
ML70511LA			YES	YES			YES
ML7051LA			YES	YES			YES
MMC2001			YES				
MMC2107			YES				
MMC2112			YES				
MMC2113			YES				
MMC2114			YES				
MMDSP			YES				
MN1A7T0200			YES	YES			YES
MODEM			YES	YES			YES
MPC5200			YES				YES
MPC5200B			YES				YES
MPC533			YES		YES		YES
MPC534			YES		YES		YES
MPC535			YES		YES		YES
MPC536			YES		YES		YES
MPC5516			YES		YES		YES
MPC5533			YES		YES		YES
MPC5534			YES		YES		YES
MPC555			YES		YES		YES
MPC5553			YES		YES		YES
MPC5554			YES		YES		YES
MPC556			YES		YES		YES
MPC5561			YES		YES		YES
MPC5565			YES		YES		YES
MPC5566			YES		YES		YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
MPC5567			YES		YES		YES
MPC561			YES		YES		YES
MPC562			YES		YES		YES
MPC563			YES		YES		YES
MPC564			YES		YES		YES
MPC565			YES		YES		YES
MPC566			YES		YES		YES
MPC603			YES				YES
MPC740			YES				YES
MPC7400			YES				YES
MPC7410			YES				YES
MPC7441			YES				YES
MPC7445			YES				YES
MPC7447			YES				YES
MPC7447A			YES				YES
MPC7448			YES				YES
MPC745			YES				YES
MPC7450			YES				YES
MPC7451			YES				YES
MPC7455			YES				YES
MPC7457			YES				YES
MPC750			YES				YES
MPC755			YES				YES
MPC821	YES	YES	YES		YES		YES
MPC823		YES	YES		YES		YES
MPC8240			YES		YES		YES
MPC8241			YES				YES
MPC8245			YES				YES
MPC8247			YES				YES
MPC8248			YES				YES
MPC8250			YES				YES
MPC8255			YES				YES
MPC8255A			YES				YES
MPC8260			YES		YES		YES
MPC8260A			YES		YES		YES
MPC8264			YES				YES
MPC8264A			YES				YES
MPC8265			YES				YES
MPC8265A			YES				YES
MPC8266			YES		YES		YES
MPC8266A			YES				YES
MPC8270			YES				YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
MPC8271			YES				YES
MPC8272			YES				YES
MPC8275			YES				YES
MPC8280			YES				YES
MPC8311			YES				YES
MPC8313			YES				YES
MPC8321			YES				YES
MPC8323			YES				YES
MPC8343			YES				YES
MPC8347			YES				YES
MPC8349			YES				YES
MPC8358			YES				YES
MPC8360			YES				YES
MPC850		YES	YES		YES		YES
MPC852T			YES		YES		YES
MPC8533E			YES				YES
MPC8540			YES				YES
MPC8541E			YES				YES
MPC8543E			YES				YES
MPC8544E			YES				YES
MPC8545E			YES				YES
MPC8547E			YES				YES
MPC8548E			YES				YES
MPC855		YES	YES		YES		YES
MPC8555E			YES				YES
MPC8560			YES				YES
MPC8567E			YES				YES
MPC8568E			YES				YES
MPC859DSL			YES		YES		YES
MPC859T			YES		YES		YES
MPC860	YES	YES	YES		YES		YES
MPC862		YES	YES		YES		YES
MPC8641			YES				YES
MPC8641D			YES				YES
MPC866P			YES		YES		YES
MPC866T			YES		YES		YES
MPC870			YES		YES		YES
MPC875			YES		YES		YES
MPC880			YES		YES		YES
MPC885			YES		YES		YES
MPCORE			YES	YES	YES		YES
MSC7110			YES				

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
MSC7112			YES				
MSC7113			YES				
MSC7115			YES				
MSC7116			YES				
MSC8101			YES				
MSC8102			YES				
MSC8103			YES				
MSC8122			YES				
MSC8126			YES				
MSM3000			YES	YES			YES
MSM3100			YES	YES			YES
MSM3300			YES	YES			YES
MSM5000			YES	YES			YES
MSM5100			YES	YES			YES
MSM5105			YES	YES			YES
MSM5200			YES	YES			YES
MSM5500			YES	YES			YES
MSM6000			YES	YES			YES
MSM6050			YES	YES			YES
MSM6100 3G			YES	YES	YES		YES
MSM6200			YES	YES			YES
MSM6250			YES	YES	YES		YES
MSM6300			YES	YES	YES		YES
MSM6500			YES	YES	YES		YES
MSM6600			YES	YES			YES
MSM7XXX			YES	YES			YES
MSP1000			YES	YES			YES
MSP2015			YES		YES		YES
MSP2020			YES		YES		YES
MSP8510			YES				YES
MT1020A			YES	YES			YES
MT92101			YES	YES			YES
MTC-20276			YES	YES			YES
MTC-20277			YES	YES			YES
MTC-30585			YES	YES			YES
MTK-20141			YES	YES			YES
MTK-20280			YES	YES			YES
MTK-20285			YES	YES			YES
MXC91131			YES		YES		
MXC91231			YES		YES		
MXC91321			YES		YES		
MXC91323			YES		YES		

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
MXC91331			YES		YES		
NB85E			YES				YES
NB85ET			YES				YES
NET+15			YES	YES			YES
NET+20			YES	YES			YES
NET+40			YES	YES			YES
NET+50			YES	YES			YES
NETX500			YES	YES	YES		YES
NEXPERIA			YES	YES			YES
NIOS-II			YES		YES		YES
NITROGEN			YES	YES			YES
NOMADIC			YES	YES	YES		YES
NPE405H			YES		YES		YES
NPE405L			YES		YES		YES
NS7520			YES	YES			YES
NS9360			YES	YES			YES
NS9750			YES	YES			YES
NS9775			YES	YES			YES
OMAP1510			YES	YES	YES		YES
OMAP1512			YES				
OMAP1610			YES	YES	YES		YES
OMAP1611			YES	YES	YES		YES
OMAP1612			YES	YES	YES		YES
OMAP1710			YES	YES	YES		YES
OMAP2410			YES	YES	YES		YES
OMAP2420			YES	YES	YES		YES
OMAP2430			YES	YES	YES		YES
OMAP310			YES	YES	YES		YES
OMAP3430			YES	YES	YES		YES
OMAP5910			YES	YES	YES		YES
OMAP5912			YES	YES	YES		YES
OMAP710			YES	YES			YES
OMAP730			YES	YES	YES		YES
OMAP732			YES	YES	YES		YES
OMAP850			YES	YES	YES		YES
OMAPV1030			YES	YES	YES		YES
OMAPV1230			YES	YES			YES
OMAPV2230			YES	YES			YES
P210			YES				YES
PBM 990 90			YES	YES			YES
PCC-ISES			YES	YES			YES
PCD80703			YES	YES	YES		YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
PCD80705			YES	YES	YES		YES
PCD80708			YES	YES	YES		YES
PCD80715			YES	YES	YES		YES
PCD80716			YES	YES	YES		YES
PCD80718			YES	YES	YES		YES
PCD80720			YES	YES	YES		YES
PCD80721			YES	YES	YES		YES
PCD80725			YES	YES	YES		YES
PCD80727			YES	YES	YES		YES
PCD80728			YES	YES	YES		YES
PCF26002			YES	YES			YES
PCF26003			YES	YES			YES
PCF87750			YES	YES			YES
PCI2010			YES	YES			YES
PCI3610			YES	YES			YES
PCI3620			YES	YES			YES
PCI3700			YES	YES			YES
PCI3800			YES	YES			YES
PCI5110			YES	YES			YES
PCI9501			YES	YES			YES
PH21101			YES	YES			YES
PMB2850 E-GOLD		YES	YES	YES	YES		YES
PMB6850 E-GOLD+		YES	YES	YES	YES		YES
PMB7754			YES	YES			YES
PMB7850 E-GOLD+			YES	YES	YES		YES
PMB7860			YES	YES	YES		YES
PMB7870			YES	YES	YES		YES
PMB7880			YES	YES	YES		YES
PMB8870			YES		YES		YES
PMB8875			YES		YES		YES
PMB8876			YES		YES		YES
PMB8877			YES		YES		YES
PMB8878			YES		YES		YES
PMB8888			YES		YES		YES
PPC401			YES		YES		YES
PPC403GA			YES		YES		YES
PPC403GB			YES		YES		YES
PPC403GC			YES		YES		YES
PPC403GCX			YES		YES		YES
PPC405			YES		YES		YES
PPC405A[..]			YES		YES		YES
PPC405B[..]			YES		YES		YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
PPC405C[..]			YES		YES		YES
PPC405CR			YES		YES		YES
PPC405D[..]			YES		YES		YES
PPC405E[..]			YES		YES		YES
PPC405EP			YES		YES		YES
PPC405F[..]			YES		YES		YES
PPC405GP			YES		YES		YES
PPC405GPR			YES		YES		YES
PPC405LP			YES		YES		YES
PPC405PM			YES		YES		YES
PPC440A[..]			YES		YES		YES
PPC440EP			YES		YES		YES
PPC440EPX			YES		YES		YES
PPC440G[..]			YES		YES		YES
PPC440GP			YES		YES		YES
PPC440GR			YES		YES		YES
PPC440GRX			YES		YES		YES
PPC440GX			YES		YES		YES
PPC440SP			YES		YES		YES
PPC440SPE			YES		YES		YES
PPC603			YES				YES
PPC740			YES				YES
PPC750			YES				YES
PPC750CL			YES				YES
PPC750CX DD2.X			YES				YES
PPC750CXE DD2.X			YES				YES
PPC750CXr DD2.X			YES				YES
PPC750FL			YES				YES
PPC750FX DD2.X			YES				YES
PPC750GL			YES				YES
PPC750GX			YES				YES
PR3950			YES				YES
PR7530			YES				YES
PS7500FE			YES	YES			YES
PUC3030A			YES	YES			YES
PUC303XA			YES	YES			YES
PXA210			YES				YES
PXA250			YES				YES
PXA255			YES				YES
PXA260			YES				YES
PXA261			YES				YES
PXA262			YES				YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
PXA263			YES				YES
PXA270			YES				YES
PXA271			YES				YES
PXA272			YES				YES
PXA273			YES				YES
PXA290			YES				YES
PXA300			YES				YES
PXA310			YES				YES
PXA320			YES				YES
PXA800EF			YES				YES
PXA800F			YES				YES
PXA901			YES				YES
PXB4260			YES		YES		YES
PXB9101			YES				YES
PXB9102			YES				YES
PXB9201			YES				YES
PXB9202			YES				YES
RC32332			YES		YES		
RC32333			YES		YES		
RC32334			YES		YES		
RC32336			YES		YES		
RC32351			YES		YES		
RC32355			YES		YES		
RC32364			YES		YES		
RC32365			YES		YES		
RC32438			YES				
RIDERD			YES		YES		YES
RM7935			YES				YES
RM9000			YES				YES
RM9220			YES				YES
RM9224			YES				YES
S3C2400X			YES	YES			YES
S3C2410			YES	YES			YES
S3C2410X			YES	YES			YES
S3C2440			YES	YES			YES
S3C2500A			YES	YES			YES
S3C2510			YES	YES			YES
S3C2800X			YES	YES			YES
S3C3400A			YES	YES			YES
S3C3400X			YES	YES			YES
S3C3410X			YES	YES			YES
S3C44A0A			YES	YES			YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
S3C44B0X			YES	YES			YES
S3C4510B			YES	YES			YES
S3C4520A			YES	YES			YES
S3C4530A			YES	YES			YES
S3C4610D			YES	YES			YES
S3C4620D			YES	YES			YES
S3C4640X			YES	YES			YES
S3C4650D			YES	YES			YES
S3C46C0			YES	YES			YES
S3C46M0X			YES	YES			YES
S3C4909A			YES	YES			YES
S3C49F9X			YES	YES			YES
S3F441FX			YES	YES			YES
S3F460H			YES	YES			YES
S5N8946			YES	YES			YES
S5N8947			YES	YES			YES
SCORPIO			YES	YES			YES
SDA6000 M2			YES	YES	YES		YES
SE470R1VB8AD			YES	YES	YES		YES
SH2A-CORE			YES		YES		YES
SH7047F			YES				YES
SH7058			YES				YES
SH7058R			YES				YES
SH7059			YES				YES
SH7144			YES				YES
SH7145			YES				YES
SH7201			YES		YES		YES
SH7203			YES		YES		YES
SH7206			YES		YES		YES
SH7211			YES		YES		YES
SH7251			YES		YES		YES
SH725XX			YES		YES		YES
SH7261			YES		YES		YES
SH7263			YES		YES		YES
SH7294			YES		YES		YES
SH7300			YES		YES		YES
SH7315			YES		YES		YES
SH73382			YES		YES		YES
SH7357			YES		YES		YES
SH7615			YES				YES
SH7622			YES				YES
SH7705			YES		YES		YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
SH7706			YES		YES		YES
SH7709A			YES		YES		YES
SH7709BE			YES		YES		YES
SH7709LE			YES		YES		YES
SH7709S			YES		YES		YES
SH7710			YES		YES		YES
SH7712			YES		YES		YES
SH7720			YES		YES		YES
SH7721			YES		YES		YES
SH7722			YES		YES		YES
SH7727			YES		YES		YES
SH7729			YES		YES		YES
SH7750			YES				YES
SH7750R			YES				YES
SH7751			YES		YES		YES
SH7751R			YES		YES		YES
SH7760			YES		YES		YES
SH7763			YES		YES		YES
SH7770			YES		YES		YES
SH7780			YES		YES		YES
SH7781			YES		YES		YES
SH7785			YES		YES		YES
SIRFSTARII			YES	YES			YES
SJA2020			YES				YES
SOCLITE+			YES	YES			YES
ST10R302			YES	YES			YES
ST10R303			YES	YES	YES		YES
ST30F7XXA			YES	YES	YES		YES
ST30F7XXC			YES	YES	YES		YES
ST30F7XXZ			YES	YES	YES		YES
ST40GX1			YES		YES		YES
ST40NGX1			YES		YES		YES
ST40RA166			YES		YES		YES
ST40STB1			YES		YES		YES
STA2051			YES	YES			YES
STB02500			YES				YES
STB7100			YES				YES
STN8810A			YES				
STN8810V			YES				
STN8815A			YES				
STN8815V			YES				
STR710			YES	YES			YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
STR711			YES	YES			YES
STR712			YES	YES			YES
STR715			YES	YES			YES
STR720			YES	YES	YES		YES
STR730			YES	YES			YES
STR731			YES	YES			YES
STR735			YES	YES			YES
STR736			YES	YES			YES
STR750FV			YES	YES			YES
STR751FR			YES	YES			YES
STR752FR			YES	YES			YES
STR755FR			YES	YES			YES
STR755FV			YES	YES			YES
STR910			YES	YES	YES		YES
STR911			YES	YES	YES		YES
STR912			YES	YES	YES		YES
STW2400			YES	YES			YES
T6TC1XB-0001			YES	YES			YES
T8300			YES	YES			YES
T8302			YES	YES			YES
TA7S05			YES	YES			YES
TA7S12			YES	YES			YES
TA7S20			YES	YES			YES
TA7S32			YES	YES			YES
TC10GP			YES		YES		YES
TC1100			YES		YES		YES
TC1115			YES		YES		YES
TC1130			YES		YES		YES
TC1161			YES		YES		YES
TC1162			YES		YES		YES
TC1163			YES		YES		YES
TC1164			YES		YES		YES
TC1165			YES		YES		YES
TC1166			YES		YES		YES
TC11IA			YES		YES		YES
TC11IB			YES		YES		YES
TC11IC			YES		YES		YES
TC1202			YES				
TC1401			YES				
TC1402			YES				
TC1762			YES		YES		YES
TC1764			YES		YES		YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
TC1765			YES		YES		YES
TC1766			YES		YES		YES
TC1766ED			YES		YES		YES
TC1775			YES		YES		YES
TC1796			YES		YES		YES
TC1796ED			YES		YES		YES
TC1796L			YES		YES		YES
TC1910			YES		YES		YES
TC1912			YES		YES		YES
TC1920			YES		YES		YES
TC2400			YES				
TEAK-REVA			YES				
TEAK-REVB			YES				
TEAK-RTL2.0			YES				
TEAKLITE			YES				
TEAKLITE-II			YES				
TEAKLITEDEV-A			YES				
TEAKLITEDEV-B			YES				
TEAKLITEDEV-C			YES				
TMS320C2808			YES				
TMS320C5501			YES				
TMS320C5502			YES				
TMS320C5509			YES				
TMS320C5509A			YES				
TMS320C5510			YES				
TMS320C6201			YES				
TMS320C6202			YES				
TMS320C6203			YES				
TMS320C6204			YES				
TMS320C6205			YES				
TMS320C6211			YES				
TMS320C6410			YES				
TMS320C6411			YES				
TMS320C6412			YES				
TMS320C6413			YES				
TMS320C6414			YES				
TMS320C6415			YES				
TMS320C6416			YES				
TMS320C6418			YES				
TMS320C6455			YES				
TMS320C6701			YES				
TMS320C6711			YES				

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
TMS320C6712			YES				
TMS320C6713			YES				
TMS320C6722			YES				
TMS320C6726			YES				
TMS320C6727			YES				
TMS320DM640			YES				
TMS320DM641			YES				
TMS320DM642			YES				
TMS320DM643			YES				
TMS320DM6443			YES	YES			YES
TMS320DM6446			YES	YES			YES
TMS320DRA442			YES	YES			YES
TMS320DRA444			YES	YES			YES
TMS320DRA446			YES	YES			YES
TMS320VC5470			YES	YES	YES		YES
TMS320VC5471			YES	YES			YES
TMS470PVF241			YES	YES			YES
TMS470R1VC336A			YES	YES			YES
TMS470R1VC338			YES	YES			YES
TMS470R1VC346A			YES	YES			YES
TMS470R1VC348			YES	YES			YES
TMS470R1VC688			YES	YES			YES
TMS470R1VF288			YES	YES			YES
TMS470R1VF336			YES	YES			YES
TMS470R1VF336A			YES	YES			YES
TMS470R1VF338			YES	YES			YES
TMS470R1VF346A			YES	YES			YES
TMS470R1VF348			YES	YES			YES
TMS470R1VF356A			YES	YES			YES
TMS470R1VF37A			YES	YES			YES
TMS470R1VF448			YES	YES			YES
TMS470R1VF45A			YES	YES			YES
TMS470R1VF45AA			YES	YES			YES
TMS470R1VF45B			YES	YES			YES
TMS470R1VF45BA			YES	YES			YES
TMS470R1VF478			YES	YES			YES
TMS470R1VF48B			YES	YES			YES
TMS470R1VF48C			YES	YES			YES
TMS470R1VF55B			YES	YES			YES
TMS470R1VF55BA			YES	YES			YES
TMS470R1VF67A			YES	YES			YES
TMS470R1VF688			YES	YES			YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
TMS470R1VF689			YES	YES			YES
TMS470R1VF76B			YES	YES			YES
TMS470R1VF7AC			YES	YES			YES
TNETC4320			YES				YES
TX4938			YES				YES
UPD65977			YES	YES			YES
UPLAT CORE			YES	YES			YES
V850E/IA4			YES				YES
V850E/MA3			YES				YES
V850E/ME2			YES		YES		YES
V850E/ME3			YES				YES
V850E/PH2			YES				YES
V850E/PHOENIX-F			YES				YES
V850E/PHOENX-FS			YES				YES
V850E/RS1			YES				YES
V850ES/DG2			YES				YES
V850ES/DJ2			YES				YES
V850ES/DJ3			YES				YES
V850ES/DL3			YES				YES
V850ES/FE2			YES				YES
V850ES/FE3			YES				YES
V850ES/FF2			YES				YES
V850ES/FF3			YES				YES
V850ES/FG2			YES				YES
V850ES/FG3			YES				YES
V850ES/FJ2			YES				YES
V850ES/FJ3			YES				YES
V850ES/FK3			YES				YES
V850ES/HE2			YES				YES
V850ES/HF2			YES				YES
V850ES/HG2			YES				YES
V850ES/HJ2			YES				YES
V850ES/HX2			YES				YES
V850ES/JG2			YES				YES
V850ES/JJ2			YES				YES
V850ES/JK1+			YES				YES
V850ES/JX2			YES				YES
V850ES/SG2			YES				YES
V850ES/SG3			YES				YES
V850ES/SJ2			YES				YES
V850ES/SJ3			YES				YES
VCS94250			YES	YES			YES

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
VDSL5100I			YES				YES
VMS747			YES	YES			YES
VR5500A			YES		YES		YES
VR5701			YES		YES		YES
VWS22100			YES	YES			YES
VWS22110			YES	YES			YES
VWS23112			YES	YES			YES
VWS23201			YES	YES			YES
VWS23202			YES	YES			YES
VWS26001			YES	YES			YES
WIN1XX			YES				YES
WIN7XX			YES				YES
X226 (MIPS4KEC)			YES				YES
XC161CJ		YES	YES	YES	YES		YES
XC161CS		YES	YES	YES	YES		YES
XC164CM		YES	YES	YES	YES		YES
XC164CS		YES	YES	YES	YES		YES
XC164D		YES	YES	YES			YES
XC164GM		YES	YES	YES			YES
XC164KM		YES	YES	YES			YES
XC164LM		YES	YES	YES			YES
XC164N		YES	YES	YES			YES
XC164S		YES	YES	YES			YES
XC164SM		YES	YES	YES			YES
XC164TM		YES	YES	YES			YES
XC167CI		YES	YES	YES	YES		YES
XC2264			YES	YES	YES		YES
XC2267			YES	YES	YES		YES
XC2285			YES	YES	YES		YES
XC2286			YES	YES	YES		YES
XC2287			YES	YES	YES		YES
XC866			YES				
XC866L			YES				
XC886			YES				
XC886C			YES				
XC886CLM			YES				
XC886CM			YES				
XC886LM			YES				
XC888			YES				
XC888C			YES				
XC888CLM			YES				
XC888CM			YES				

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CPU	ICE	FIRE	ICD DEBUG	ICD MONITOR	ICD TRACE	POWER INTEGRATOR	INSTRUCTION SIMULATOR
XC888LM			YES				
XPERTTEAK			YES				
ZSP400			YES				
ZSP500			YES				
ZSP540			YES				

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Operation Voltage

Adapter	Code	OrderNo	Voltage Range
JTAG Debugger for ST40 (ICD)	JTAG-ST40	LA-3710	3.0 .. 3.6 V
JTAG Debugger for CEVA-X	JTAG-CEVAX	LA-3711	3.0 .. 3.6 V
JTAG Debugger License for CEVA-X Additional	JTAG-CEVAX-A	LA-3711A	3.0 .. 3.6 V
JTAG Debugger for ZSP500 DSP Core (ICD)	JTAG-ZSP500	LA-3712	1.8 .. 3.6 V
JTAG Debugger for ZSP500 DSP Core Additional	JTAG-ZSP500-A	LA-3712A	1.8 .. 3.6 V
Debugger for MicroBlaze (ICD)	JTAG-MICROBLAZE	LA-3730	1.8 .. 3.6 V
JTAG Debug. Lic. for MicroBlaze Add.+Adapter	JTAG-MICROBLAZE-A	LA-3730A	1.8 .. 3.6 V
OCDS Debugger for XC800 (ICD)	OCDS-XC800	LA-3732	2.5 .. 5.2 V
JTAG Debugger for H8SX (ICD)	JTAG-H8SX	LA-3745	3.0 .. 5.2 V
JTAG Debugger Extension for H8SX (ICD)	JTAG-H8SX-X	LA-3745X	3.0 .. 5.2 V
JTAG Debugger for ARC600/ ARC700 (ICD)	JTAG-ARC	LA-3750	0.4 .. 5.2 V
JTAG Debugger License for ARC600/ARC700 Add.	JTAG-ARC-A	LA-3750A	0.4 .. 5.2 V
JTAG Debugger for ARC600/ ARC700 SUB-D (ICD)	JTAG-ARC-SUBD	LA-3751	0.4 .. 5.2 V
JTAG Debugger for Tensilica Diamond Cores	JTAG-DIAMOND-CORES	LA-3760	0.4 .. 5.2 V
Debug Adapter for M32R SDI-3 (ICD)	DEBUG-M32R	LA-7661	0.4 .. 5.2 V
BDM Debugger for 68K (ICD)	BDM-68K	LA-7710	3.0 .. 5.5 V
BDM Debugger for 68HC16 (ICD)	BDM-HC16	LA-7712	4.5 .. 5.5 V
BDM Debugger for 68HC12 (ICD)	BDM-HC12	LA-7714	2.7 .. 5.5 V
BDM Debugger for MCS12 (ICD)	BDM-MCS12	LA-7717	2.7 .. 5.5 V
JTAG Debugger for MPC74xx (ICD)	DEBUG-PPC74XX	LA-7719	1.6 .. 5.5 V
JTAG Debugger Extension for MPC74xx (ICD)	DEBUG-PPC74XX-X	LA-7719X	1.6 .. 5.5 V
JTAG Debugger for PPC603/ MPC74x/75x (ICD)	DEBUG-PPC603	LA-7721	1.6 .. 5.5 V
JTAG Debugger Extension for PPC603(ICD)	DEBUG-PPC603-X	LA-7721X	1.6 .. 5.5 V
BDM Debugger for MPC500/800 (ICD)	BDM-MPC500/800	LA-7722	2.5 .. 5.0 V
JTAG Debugger for PPC400 (ICD)	DEBUG-PPC400	LA-7723	1.6 .. 5.5 V
JTAG Debugger Extension for PPC400 (ICD)	DEBUG-PPC400-X	LA-7723X	1.6 .. 5.5 V

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Adapter	Code	OrderNo	Voltage Range
JTAG Debugger for MPC82xx/ MPC83xx(ICD)	DEBUG-MPC8260	LA-7729	1.6 .. 5.5 V
JTAG Debugger Extension for MPC8260/MPC8240	DEBUG-MPC8260-X	LA-7729X	1.6 .. 5.5 V
BDM Debugger for DSP56K (ICD)	BDM-DSP56K	LA-7730	4.5 .. 5.5 V
BDM Debugger for ColdFire (ICD)	BDM-COLDFIRE	LA-7732	3.0 .. 5.5 V
BDM Debugger for MCS08 (ICD)	BDM-MCS08	LA-7733	1.8 .. 5.5 V
JTAG Debugger for MPC5200/ MGT5100 (ICD)	JTAG-MPC5200	LA-7734	1.6 .. 5.5 V
BDM Debugger for DSP56300 (ICD)	BDM-DSP56300	LA-7735	4.5 .. 5.5 V
BDM Debugger for MCS12X (ICD)	BDM-MCS12X	LA-7736	2.7 .. 5.5 V
BDM Debugger for DSP56800 and DSP56800E (ICD)	BDM-DSP56800	LA-7738	4.5 .. 5.5 V
JTAG Debugger for JANUS (ICD)	JTAG-JANUS	LA-7739	1.8 .. 3.6 V
JTAG Debugger for ARM9 (ICD)	JTAG-ARM9	LA-7742	0.4 .. 5.2 V
JTAG Debugger License for ARM9 Add.	JTAG-ARM9-A	LA-7742A	0.4 .. 5.2 V
JTAG Debugger Extension for ARM9	JTAG-ARM9-X	LA-7742X	0.4 .. 5.2 V
JTAG Debugger for ARM10 (ICD)	JTAG-ARM10	LA-7744	0.4 .. 5.2 V
JTAG Debugger License for ARM10 Add.	JTAG-ARM10-A	LA-7744A	0.4 .. 5.2 V
JTAG Debugger Extension for ARM10	JTAG-ARM10-X	LA-7744X	0.4 .. 5.2 V
ONCE Debugger for M-CORE (ICD)	ONCE-MCORE	LA-7745	2.5 .. 5.5 V
JTAG Debugger for ARM7 20 Pin Connector (ICD)	JTAG-ARM7-20	LA-7746	0.4 .. 5.2 V
JTAG Debugger License for ARM7 Add.	JTAG-ARM7-A	LA-7746A	0.4 .. 5.2 V
JTAG Debugger Extension for ARM7	JTAG-ARM7-X	LA-7746X	0.4 .. 5.2 V
Debugger for 196EA (ICD)	DEBUG-196EA	LA-7750	4.5 .. 5.5 V
JTAG Debugger for PPC44x (ICD)	DEBUG-PPC44X	LA-7752	1.6 .. 5.5 V
JTAG Debugger Extension for PPC44x (ICD)	DEBUG-PPC44X-X	LA-7752X	1.6 .. 5.5 V
JTAG Debugger for MPC5500 (ICD)	DEBUG-MPC5500	LA-7753	1.6 .. 5.5 V
JTAG Flashprogramming Utility for MPC5500	FLASH-MPC5500	LA-7753F	1.6 .. 5.5 V
OCDS Debugger for C166CBC (ICD)	OCDS-C166CBC	LA-7755	2.5 .. 5.2 V
OCDS Debugger for TriCore (ICD)	OCDS-TRICORE	LA-7756	2.5 .. 5.2 V
OCDS Debugger for C166S V2 (ICD)	OCDS-C166S-V2	LA-7759	2.5 .. 5.2 V
JTAG Debugger for MIPS32 (ICD)	EJTAG-MIPS32	LA-7760	1.8 .. 3.6 V

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Adapter	Code	OrderNo	Voltage Range
JTAG Debugger for MIPS64 (ICD)	EJTAG-MIPS64	LA-7761	1.8 .. 3.6 V
JTAG Debugger for XSCALE (ICD)	JTAG-XSCALE	LA-7762	0.4 .. 5.2 V
FLASH Programming Utility for XSCALE (ICD)	FLASH-XSCALE	LA-7762F	0.4 .. 5.2 V
JTAG Debugger Extension for XSCALE (ICD)	JTAG-XSCALE-X	LA-7762X	0.4 .. 5.2 V
JTAG Debugger for Super10 (ICD)	JTAG-SUPER10	LA-7763	2.5 .. 5.0 V
JTAG Debugger for MPC8560/ MPC8540 (ICD)	DEBUG-MPC8560	LA-7764	1.6 .. 5.5 V
JTAG Debugger Extension for MPC8560/MPC8540	DEBUG-MPC8560-X	LA-7764X	1.6 .. 5.5 V
JTAG Debugger for ARM11 (ICD)	JTAG-ARM11	LA-7765	0.4 .. 5.2 V
JTAG Debugger License for ARM11 Add.	JTAG-ARM11-A	LA-7765A	0.4 .. 5.2 V
JTAG Debugger Extension for ARM11	JTAG-ARM11-X	LA-7765X	0.4 .. 5.2 V
JTAG Debugger for H8S (ICD)	JTAG-H8S	LA-7766	3.0 .. 5.2 V
JTAG Debugger for Teak/ TeakLite/OAK JAM (ICD)	JTAG-TEAK-JAM	LA-7774	0.4 .. 5.2 V
JTAG Debugger for Teak/ TeakLite/OAK JAM (ICD)	JTAG-OAK-JAM-A	LA-7774A	0.4 .. 5.2 V
JTAG Debugger for OAK/TeakLite SEIB (ICD)	JTAG-OAK-SEIB	LA-7789	1.8 .. 3.6 V
JTAG Debugger for SH2/SH3/SH4 20 Pin (ICD)	JTAG-SH4-20	LA-7817	3.0 .. 3.6 V
JTAG Debugger License for SH2/ SH3/SH4 Add.	JTAG-SH4-A-20	LA-7817A	3.0 .. 3.6 V
JTAG Debugger for TMS320C55X (ICD)	JTAG-C55X	LA-7830	1.8 .. 3.6 V
JTAG Debugger License for TMS320C55x Add.	JTAG-C55X-A	LA-7830A	1.8 .. 3.6 V
JTAG Debugger for TMS320C54X	JTAG-C54X	LA-7831	1.8 .. 3.6 V
JTAG Debugger License for TMS320C54X Add.	JTAG-C54X-A	LA-7831A	1.8 .. 3.6 V
JTAG Debugger Extension for TMSC54X	JTAG-C54X-X	LA-7831X	1.8 .. 3.6 V
JTAG Debugger for ZSP400 DSP Core	JTAG-ZSP400	LA-7832	1.8 .. 3.6 V
JTAG Debugger for ZSP400 DSP Core Additional	JTAG-ZSP400-A	LA-7832A	1.8 .. 3.6 V
JTAG Debugger for BLACKFIN (ICD)	JTAG-BLACKFIN	LA-7833	0.4 .. 5.2 V
JTAG Debugger for StarCore 14 Pin (ICD)	JTAG-STARCORE-14	LA-7834	1.8 .. 3.6 V
N-Wire Debugger for V850 (ICD)	JTAG-V850	LA-7835	0.4 .. 5.2 V
JTAG Debugger for MMDSP (ICD)	JTAG-MMDSP	LA-7836	1.8 .. 3.6 V
Debugger for NIOS-II (ICD)	JTAG-NIOS-II	LA-7837	1.8 .. 3.6 V
JTAG Debugger for TMS320C6400 (ICD)	JTAG-C6400	LA-7838	1.8 .. 3.6 V

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Adapter	Code	OrderNo	Voltage Range
JTAG Debugger License for TMS320C6400 Add.	JTAG-C6400-A	LA-7838A	1.8 .. 3.6 V
JTAG Debugger Extension for TMS320C6400	JTAG-C6400-X	LA-7838X	1.8 .. 3.6 V
JTAG Debugger for TMS320C6200 (ICD)	JTAG-C6200	LA-7839	1.8 .. 3.6 V
JTAG Debugger Extension for TMS320C6200	JTAG-C6200-X	LA-7839X	1.8 .. 3.6 V
JTAG Debugger for TMS320C6700 (ICD)	JTAG-C6700	LA-7841	1.8 .. 3.6 V
JTAG Debugger License for TMS320C6700 Add.	JTAG-C6700-A	LA-7841A	1.8 .. 3.6 V
JTAG Debugger Extension for TMS320C6700	JTAG-C6700-X	LA-7841X	1.8 .. 3.6 V
N-Wire Debugger for NEC VR-Series (ICD)	JTAG-VR	LA-7842	0.4 .. 5.2 V
JTAG Debugger for CORTEX-A/-R (ICD)	JTAG-CORTEX_A/-R	LA-7843	0.4 .. 5.2 V
JTAG Debugger License for CORTEX-A/-R Add.	JTAG-CORTEX_A-A	LA-7843A	0.4 .. 5.2 V
JTAG Debugger Extension for CORTEX-A/-R	JTAG-CORTEX_A-X	LA-7843X	0.4 .. 5.2 V
JTAG Debugger for CORTEX-M (ICD)	JTAG-CORTEX_M	LA-7844	0.4 .. 5.2 V
JTAG Debugger License for CORTEX-M Add.	JTAG-CORTEX_M-A	LA-7844A	0.4 .. 5.2 V
JTAG Debugger Extension for CORTEX-M	JTAG-CORTEX_M-X	LA-7844X	0.4 .. 5.2 V
JTAG Debugger for StarCore 20 Pin (ICD)	JTAG-STARCORE-20	LA-7845	1.8 .. 3.6 V
JTAG Debugger License for StarCore 20 Pin Add	JTAG-STARCORE-20-A	LA-7845A	1.8 .. 3.6 V
JTAG Debugger for TMS320C28X (ICD)	JTAG-TMS320C28X	LA-7847	1.8 .. 3.6 V

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Order Information

Module Description

OrderNo Code	Text
LA-7701 DEBUG-EXT	**Debug Module** Universal BDM debug and JTAG controller, High-Speed FPGA, Connector to Debug Cable, compatible with most BDM and JTAG debuggers
LA-7708 DEBUG-USB2	**Power Debug Module USB-2** Universal BDM debug and JTAG controller, 200 MHz PowerPC, 64 MByte DRAM, High-Speed FPGA, USB-2 (Win98/2000/XP/Linux), PODBUS Interface (enables to add Parallel and ETHERNET Interface), compatible with all BDM and JTAG debuggers
LA-7705 DEBUG-ETH	**Power Debug Module Ethernet** Universal BDM debug and JTAG controller, 200 MHz PowerPC, 64 MB DRAM, High-Speed FPGA USB 2.0 (Win98/2000/XP/Linux) included Ethernet for PC LAN/LINUX included Ethernet for Workstation requires Host Driver Package for Workstations on CD (LA-8616) PODBUS Interface (enables to add Parallel Interface) can be upgraded to PowerTrace by LA-7709 (256MByte) or by LA-7691 (512MByte)
LA-7710 BDM-68K	**BDM Debugger for 68K (ICD)** supports MC68330..341, 68349, 68360, includes HLL debugger, operation system, cable includes driver for Windows 3.11, Windows NT, Windows 95/98, Windows2000, Windows-XP requires PODBUS-interface to host and universal Debug Module
LA-7745 ONCE-MCORE	**ONCE Debugger for M-CORE (ICD)** supports M-CORE derivatives, (whisker version of the debug cable) includes software for WINDOWS, HLL debugger, operation system, cable, requires Power Debug Module debug cable with 14 pin connector
LA-7733 BDM-MCS08	**BDM Debugger for MCS08 (ICD)** supports MCS08 includes HLL debugger, operation system, cable includes driver for Windows requires Power Debug Ethernet/USB2 or PowerTrace

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OrderNo Code	Text
LA-7714 BDM-HC12	**BDM Debugger for 68HC12 (ICD)** supports MC68HC12 includes HLL debugger, operation system, cable includes driver for Windows 3.11, Windows NT, Windows 95/98, Windows2000, Windows-XP requires PODBUS-interface to host and universal Debug Module
LA-7717 BDM-MCS12	**BDM Debugger for MCS12 (ICD)** supports MCS12 includes HLL debugger, operation system, cable includes driver for Windows 3.11, Windows NT, Windows 9x, Windows2000, Windows-XP requires PODBUS-interface to host and universal Debug Module
LA-7736 BDM-MCS12X	**BDM Debugger for MCS12X (ICD)** supports MCS12X and MCS12, includes HLL debugger, operation system, cable includes driver for Windows Power Debug Module is required
LA-7712 BDM-HC16	**BDM Debugger for 68HC16 (ICD)** supports MC68HC16 all derivatives includes HLL debugger, operation system, cable includes driver for Windows 3.11, Windows NT, Windows 95/98, Windows2000, Windows-XP requires PODBUS-interface to host and universal Debug Module
LA-7750 DEBUG-196EA	**Debugger for 196EA (ICD)** supports 196EA includes software for WINDOWS, HLL debugger, operation system, cable
LA-7732 BDM- COLDFIRE	**BDM Debugger for ColdFire (ICD)** supports FREESCALE ColdFire Family (whisker version of the debug cable) includes software for Windows, HLL debugger, operation system, cable requires PODBUS-interface to host and Power Debug Module
LA-7723 DEBUG- PPC400	**JTAG Debugger for PPC400 (ICD)** supports (1.8V - 5.0V) PPC40x (whisker version of the debug cable) includes HLL debugger, operation system, cable includes driver for Windows requires PODBUS-interface to host and universal Debug Module or Power Debug Module debug cable with 16 pin connector requires LA-7984 if the target has a Mictor38 connector

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OrderNo Code	Text
LA-7752 DEBUG- PPC44X	**JTAG Debugger for PPC44x (ICD)** supports (1.8V - 5.0V) PPC440 (whisker version of the debug cable) includes HLL debugger, operation system, cable includes driver for Windows requires PODBUS-interface to host and Power Debug Module requires LA-7984 if the target has a Mictor38 connector debug cable with 16 pin connector
LA-7722 BDM-MPC500/ 800	**BDM Debugger for MPC500/800 (ICD)** supports PowerPC MPC505, MPC555, MPC56X MPC801, MPC821, MPC85x, MPC86x, MPC87x and MPC88x includes HLL debugger, operation system, cable includes driver for Windows 3.11, Windows NT, Windows 95/98, Windows2000, Windows-XP requires PODBUS-interface to host and universal Debug Module (Processor BDM inputsignals have to be 3.3V tolerant.)
LA-7753 DEBUG- MPC5500	**JTAG Debugger for MPC5500 (ICD)** supports PowerPC MPC55xx (whisker version of the debug cable) includes HLL debugger, operation system, cable includes driver for Windows requires PODBUS-interface to host and PowerDebug Module debug cable with 14 pin connector
LA-7729 DEBUG- MPC8260	**JTAG Debugger for MPC82xx/MPC83xx(ICD)** supports (1.8V - 5.0V) MPC82xx, MPC83xx, (whisker version of the debug cable) includes HLL debugger, operation system, cable includes driver for Windows NT, Windows 9x, Windows2000, Windows-XP requires Power Debug Module debug cable with 16 pin connector
LA-7764 DEBUG- MPC8560	**JTAG Debugger for MPC8560/MPC8540 (ICD)** supports MPC8560, MPC8540, MPC8555, MPC8541/43/45/47/48 (whisker version of the debug cable) includes HLL debugger, operation system, cable includes driver for WINDOWS requires Power Debug Module debug cable with 16 pin connector
LA-7734 JTAG-MPC5200	**JTAG Debugger for MPC5200/MGT5100 (ICD)** supports (1.8V - 5.0V) MGT5100, MPC5200 includes HLL debugger, operation system, cable includes driver for Windows requires PODBUS-interface to host and PowerDebug Module debug cable with 16 pin connector

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OrderNo Code	Text
LA-7721 DEBUG- PPC603	**JTAG Debugger for PPC603/MPC74x/75x (ICD)** supports (1.8V - 5.0V) PPC603, MPC74x and MPC75x includes HLL debugger, operation system, cable includes driver for WindowsNT Windows95/98, Windows2000, Windows-XP requires PODBUS-interface to host and Power Debug Module (not LA-7701) debug cable with 16 pin connector
LA-7719 DEBUG- PPC74XX	**JTAG Debugger for MPC74xx (ICD)** supports (1.8V - 5.0V) MPC7410 includes HLL debugger, operation system, cable includes driver for Windows requires PODBUS-interface to host and Power Debug Module (not LA-7701) debug cable with 16 pin connector
LA-7719X DEBUG- PPC74XX-X	**JTAG Debugger Extension for MPC74xx (ICD)** supports MPC74XX Extension applicable to the following debug cables (purchased separately): for LA-3735 (JTAG Debugger Extension for MPC8641) for LA-7721 (JTAG Debugger for PPC603/MPC74x/75x) for LA-7729 (JTAG Debugger for MPC8260/MPC8240) for LA-7734 (JTAG Debugger for MPC5200/MGT5100) for LA-7764 (JTAG Debugger for MPC8560/MPC8540) requires a valid software guaranty or a valid software license key please add the serial number of the base debug cable to your order
LA-7730 BDM-DSP56K	**BDM Debugger for DSP56K (ICD)** supports DSP56002/4/5, DSP561xx and DSP-part of 68356 (only for chips with 5V tolerant IO's) includes software for WINDOWS, HLL debugger, operation system, cable requires PODBUS-interface to host and universal Debug Module debug cable with 14 pin connector
LA-7735 BDM- DSP56300	**BDM Debugger for DSP56300 (ICD)** supports DSP5630x includes software for WINDOWS, HLL debugger, operation system, cable requires PODBUS-interface to host and universal Debug Module debug cable with 14 pin connector
LA-7735U BDM- DSP56300-U	**BDM Debugger for DSP56K300 Upgrade (ICD)** supports DSP563xx includes software for WINDOWS, HLL debugger, operation system, cable
LA-7738 BDM- DSP56800	**BDM Debugger for DSP56800 and DSP56800E (ICD)** supports DSP568xx and DSP5683xx includes software for WINDOWS, HLL debugger, operation system, cable requires PODBUS-interface to host and universal Power Debug Module debug cable with 14 pin connector

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OrderNo Code	Text
LA-7746 JTAG-ARM7-20	**JTAG Debugger for ARM7 20 Pin Connector (ICD)** supports ARM7 (0.4 V - 5 V) includes software for WINDOWS, HLL debugger, operation system, cable, requires PODBUS-interface to host and Debug Module, Multi core debugging is only possible on the Power Debug Module
LA-7746X JTAG-ARM7-X	**JTAG Debugger Extension for ARM7** supports ARM7 Extension applicable to the following debug cables (purchased separately): for LA-7742 (JTAG Debugger for ARM9) for LA-7744 (JTAG Debugger for ARM10) for LA-7762 (JTAG Debugger for XScale) for LA-7765 (JTAG Debugger for ARM11) for LA-7843 (JTAG Debugger for CORTEX-A/-R) for LA-7844 (JTAG Debugger for CORTEX-M) requires a valid software guarantee or a valid software license key please add the serial number of the base dongle to your order
LA-7747 JTAG-ARM-CON-14-20	**JTAG ARM Converter 14-20** Converter for ARM-JTAG 14 pins to ARM-JTAG 20 pins and vice versa
LA-7748 JTAG-ARM-CON-20-TI14	**JTAG Converter to TI Target Adapter 14** Converter for ARM-JTAG 14 pins or ARM-JTAG 20 pins to 14 pins TI target adapter
LA-7742 JTAG-ARM9	**JTAG Debugger for ARM9 (ICD)** supports ARM9 (0.4 V - 5 V), includes software for WINDOWS, HLL debugger, operation system, cable, requires Power Debug Module
LA-7742X JTAG-ARM9-X	**JTAG Debugger Extension for ARM9** supports ARM9 Extension applicable to the following debug cables (purchased separately): for LA-7744 (JTAG Debugger for ARM10) for LA-7746 (JTAG Debugger for ARM7) for LA-7762 (JTAG Debugger for XScale) for LA-7765 (JTAG Debugger for ARM11) for LA-7843 (JTAG Debugger for CORTEX-A/-R) for LA-7844 (JTAG Debugger for CORTEX-M) requires a valid software guarantee or a valid software license key please add the serial number of the base dongle to your order
LA-7744 JTAG-ARM10	**JTAG Debugger for ARM10 (ICD)** supports ARM10 (0.4 V - 5 V) includes software for WINDOWS, HLL debugger, operation system, cable requires Power Debug Module

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OrderNo Code	Text
LA-7744X JTAG-ARM10-X	**JTAG Debugger Extension for ARM10** supports ARM10 Extension applicable to the following debug cables (purchased separately): for LA-7742 (JTAG Debugger for ARM9) for LA-7746 (JTAG Debugger for ARM7) for LA-7762 (JTAG Debugger for XScale) for LA-7765 (JTAG Debugger for ARM11) for LA-7843 (JTAG Debugger for CORTEX-A/-R) for LA-7844 (JTAG Debugger for CORTEX-M) requires a valid software guarantee or a valid software license key please add the serial number of the base dongle to your order
LA-7765 JTAG-ARM11	**JTAG Debugger for ARM11 (ICD)** supports ARM11 (0.4 V - 5 V) includes software for WINDOWS, HLL debugger, operation system, cable, requires Power Debug Module
LA-7765X JTAG-ARM11-X	**JTAG Debugger Extension for ARM11** supports ARM11 Extension applicable to the following debug cables (purchased separately): for LA-7742 (JTAG Debugger for ARM9) for LA-7744 (JTAG Debugger for ARM10) for LA-7746 (JTAG Debugger for ARM7) for LA-7762 (JTAG Debugger for XScale) for LA-7843 (JTAG Debugger for CORTEX-A/-R) for LA-7844 (JTAG Debugger for CORTEX-M) requires a valid software guarantee or a valid software license key please add the serial number of the base dongle to your order
LA-7739 JTAG-JANUS	**JTAG Debugger for JANUS (ICD)** supports JANUS 2 includes software for WINDOWS, HLL debugger, operation system, cable, requires PODBUS-interface to host and Power Debug Module debug cable with 20 pin connector
LA-7843 JTAG-CORTEX_A/-R	**JTAG Debugger for CORTEX-A/-R (ICD)** supports ARM CORTEX-A and Cortex-R (0.4 V - 5 V) includes software for WINDOWS, HLL debugger, operation system, cable, requires Power Debug Module
LA-7843X JTAG-CORTEX_A-X	**JTAG Debugger Extension for CORTEX-A/-R** supports ARM CORTEX-A and Cortex-R Extension applicable to the following debug cables (purchased separately) for LA-7742 (JTAG Debugger for ARM9) for LA-7744 (JTAG Debugger for ARM10) for LA-7746 (JTAG Debugger for ARM7) for LA-7762 (JTAG Debugger for XScale) for LA-7765 (JTAG Debugger for ARM11) for LA-7844 (JTAG Debugger for CORTEX-M) requires a valid software guarantee or a valid software license key please add the serial number of the base dongle to your order

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OrderNo Code	Text
LA-7844 JTAG-CORTEX_M	**JTAG Debugger for CORTEX-M (ICD)** supports ARM CORTEX-M (0.4 V - 5 V) Whisker version of the debug cable supports 5-pin standard JTAG, cJTAG and Serial Wire Debug Port includes software for WINDOWS, HLL debugger, operation system, cable, requires Power Debug Module
LA-7844A JTAG-CORTEX_M-A	**JTAG Debugger License for CORTEX-M Add.** supports ARM CORTEX-M Extension applicable to the following debug cables (purchased separately): for LA-3711 (JTAG Debugger for CEVA-X) for LA-3712 (JTAG Debugger for ZSP500 DSP) for LA-3750 (JTAG Debugger for ARC600) for LA-7774 (JTAG Debugger for Teak/TeakLite/OAK JAM) for LA-7830 (JTAG Debugger for TMS320C55x) for LA-7836 (JTAG Debugger for MMDSP) for LA-7838 (JTAG Debugger for TMS320C6400) for LA-7845 (JTAG Debugger for StarCore 20 Pin) for LA-7847 (JTAG Debugger for TMS320C28X) please add the serial number of the base dongle to your order
LA-7844X JTAG-CORTEX_M-X	**JTAG Debugger Extension for CORTEX-M** supports ARM CORTEX-M Extension applicable to the following debug cables (purchased separately): for LA-7746 (JTAG Debugger for ARM7) for LA-7742 (JTAG Debugger for ARM9) for LA-7744 (JTAG Debugger for ARM10) for LA-7765 (JTAG Debugger for ARM11) for LA-7762 (JTAG Debugger for XScale) for LA-7843 (JTAG Debugger for CORTEX-A/-R) requires a valid software guarantee or a valid software license key please add the serial number of the base dongle to your order
LA-7755 OCDS-C166CBC	**OCDS Debugger for C166CBC (ICD)** supports E-GOLD, E-GOLD+, DOLCE, UTAH, M2 includes software for WINDOWS, HLL debugger, operation system, cable, requires PODBUS-Interface to host and Power Debug Module debug cable with 16 pin connector
LA-7756 OCDS-TRICORE	**OCDS Debugger for TriCore (ICD)** supports TriCore derivatives, includes software for WINDOWS, HLL debugger, PCP debugger, operation system, cable, requires Power Debug Module debug cable with 16 pin connector
LA-7759 OCDS-C166S-V2	**OCDS Debugger for C166S V2 (ICD)** supports C166S V2, XC16x, XE166, XC2000 includes software for WINDOWS, HLL debugger, operation system, cable, requires PODBUS-interface to host and Power Debug Module debug cable with 16 pin connector

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OrderNo Code	Text
LA-3732 OCDS-XC800	**OCDS Debugger for XC800 (ICD)** supports XC800 includes software for WINDOWS, HLL debugger, operation system, cable, requires Power Debug Module debug cable with 16 pin connector
LA-7774 JTAG-TEAK-JAM	**JTAG Debugger for Teak/TeakLite/OAK JAM (ICD)** supports OAK, TEAKLite and Teak with JAM interface, includes software for WINDOWS, HLL debugger, operation system, cable, requires PODBUS-Interface to host and Power Debug Module debug cable with 20 pin connector
LA-7789 JTAG-OAK-SEIB	**JTAG Debugger for OAK/TeakLite SEIB (ICD)** supports S-GOLD, S-GOLDlite, E-GOLDlite includes software for WINDOWS, HLL debugger, operation system, cable, requires PODBUS-Interface to host and Power Debug Module debug cable with 20 pin connector
LA-3711 JTAG-CEVAX	**JTAG Debugger for CEVA-X** supports CEVA-X requires Power Debug Module debug cable with 20 pin connector
LA-7831 JTAG-C54X	**JTAG Debugger for TMS320C54X** supports TMS320C54XX (1.8V - 3.6V) includes software for WINDOWS, HLL debugger, operation system, cable, requires PODBUS-interface to host and Debug Module Debug cable with 20 pin connector Requires LA-7748 if 14 pin TI target adapter is used
LA-7830 JTAG-C55X	**JTAG Debugger for TMS320C55X (ICD)** supports TMS320C55x (1.8V - 3.6V) includes software for WINDOWS, HLL debugger, operation system, cable, requires PODBUS-interface to host and Debug Module Debug cable with 20 pin connector Requires LA-7748 if 14 pin TI target adapter is used
LA-7830A JTAG-C55X-A	**JTAG Debugger License for TMS320C55x Add.** supports TMS320C55x Extension applicable to the following debug cables (purchased separately): for LA-7742 (JTAG Debugger for ARM9) for LA-7744 (JTAG Debugger for ARM10) for LA-7765 (JTAG Debugger for ARM11) for LA-7746 (JTAG Debugger for ARM7) for LA-7843 (JTAG Debugger for CORTEX-A) for LA-7844 (JTAG Debugger for CORTEX-M) please add the serial number of the base dongle to your order
LA-7838 JTAG-C6400	**JTAG Debugger for TMS320C6400 (ICD)** supports TMS320C64xx (0.4 V - 5 V) includes software for WINDOWS, HLL debugger, operation system, debug cable, requires Power Debug Module Debug cable with 20 pin connector Requires LA-7748 if 14 pin TI target adapter is used

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OrderNo Code	Text
LA-7839 JTAG-C6200	**JTAG Debugger for TMS320C6200 (ICD)** supports TMS320C62xx (0.4 V - 5 V) includes software for WINDOWS, HLL debugger, operation system, debug cable, requires Power Debug Module Debug cable with 20 pin connector Requires LA-7748 if 14 pin TI target adapter is used
LA-7832 JTAG-ZSP400	**JTAG Debugger for ZSP400 DSP Core** supports ZSP400 Core (LSI)
LA-7834 JTAG-STARCORE-14	**JTAG Debugger for StarCore 14 Pin (ICD)** supports StarCore DSP debug cable with 14 pin connector requires LA-3724 (Adapter for StarCore Boards with Ejector) if target has a JTAG connector with ejector
LA-7758 JTAG-SH4-14	**JTAG Debugger for SH2/SH3/SH4 14 Pin (ICD)** supports a lot of SH2, SH3 and SH4 derivatives from Renesas requires Power Debug Module debug cable with 14 pin connector Targets with 36 pin Hirose connector require the converter LA-7980
LA-7817 JTAG-SH4-20	**JTAG Debugger for SH2/SH3/SH4 20 Pin (ICD)** supports a lot of SH2, SH3 and SH4 derivatives from Renesas (0.4 - 5V) for ARM JTAG interface ACEBRK pin in only supported in conjunction with LA-7818 Converter JTAG 20 to H-UDI 14, LA-7822 Converter JTAG 20 to Hirose 36 or LA-7823 Converter JTAG 20 to Mictor 38 requires Power Debug Module debug cable with 20 pin connector
LA-3710 JTAG-ST40	**JTAG Debugger for ST40 (ICD)** supports ST40 from ST Microelectronics with 20 pin JTAG connector requires Power Debug Module
LA-7980 JTAG-SH-CON-14P-36H	**JTAG SH Converter 14 Pin to 36 Pin Hirose** Converter for SH-JTAG 14 pins to SH-JTAG 36 pins on Hirose connector
LA-7760 EJTAG-MIPS32	**JTAG Debugger for MIPS32 (ICD)** supports MIPS32 4Kp, 4Km, 4Kc derivatives and LEXRA LX4280 requires Power Debug Module debug cable with 14 pin connector
LA-7761 EJTAG-MIPS64	**JTAG Debugger for MIPS64 (ICD)** supports MIPS64 5Kc, 20Kc derivatives requires Power Debug Module debug cable with 14 pin connector
LA-7762 JTAG-XSCALE	**JTAG Debugger for XSCALE (ICD)** supports Intel XSCALE derivatives, requires Power Debug Module debug cable with 20 pin connector

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OrderNo Code	Text
LA-7762X JTAG-XSCALE-X	**JTAG Debugger Extension for XSCALE (ICD)** supports Intel XSCALE derivatives Extension applicable to the following debug cables (purchased separately): for LA-7742 (JTAG Debugger for ARM9) for LA-7744 (JTAG Debugger for ARM10) for LA-7746 (JTAG Debugger for ARM7) for LA-7765 (JTAG Debugger for ARM11) for LA-7843 (JTAG Debugger for CORTEX-A/-R) for LA-7844 (JTAG Debugger for CORTEX-M) requires a valid software guarantee or a valid software license key please add the serial number of the base dongle to your order
LA-7766 JTAG-H8S	**JTAG Debugger for H8S (ICD)** supports H8S (H8S/2319, 2329, 2339, 2367, 2368, 2377 and 2378) from Renesas Requires Power Debug Module debug cable with 14 pin connector
LA-3745 JTAG-H8SX	**JTAG Debugger for H8SX (ICD)** supports CPU H8SX/1664 from Renesas Requires Power Debug Module debug cable with 14 pin connector
LA-7763 JTAG-SUPER10	**JTAG Debugger for Super10 (ICD)** supports Super10 derivatives, requires Power Debug Module
LA-7835 JTAG-V850	**N-Wire Debugger for V850 (ICD)** supports NEC V850 with N-Wire requires Power Debug Module debug cable with 20 pin connector requires LA-7936 if KEL connector is used on the target requires LA-7937 if Mictor connector is used on the target
LA-7842 JTAG-VR	**N-Wire Debugger for NEC VR-Series (ICD)** supports NEC VR-Series with N-Wire requires Power Debug Module debug cable with 20 pin connector requires LA-7936 if KEL connector is used on the target requires LA-7937 if Mictor connector is used on the target

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OrderNo Code	Text
LA-7836 JTAG-MMDSP	**JTAG Debugger for MMDSP (ICD)** supports MMDSP includes software for WINDOWS, HLL debugger, operation system, cable, requires PODBUS-interface to host and Debug Module JTAG-Converter Mictor-20 included
LA-7837 JTAG-NIOS-II	**Debugger for NIOS-II (ICD)** supports NIOS-II includes software for WINDOWS, HLL debugger, operation system, cable, requires PODBUS-interface to host and Debug Module
LA-3750 JTAG-ARC	**JTAG Debugger for ARC600/ARC700 (ICD)** supports ARC600, ARC700, ARCtangent-A5 includes software for WINDOWS, HLL debugger, operation system, cable, requires Power Debug Module debug cable with 20 pin connector
LA-3751 JTAG-ARC-SUBD	**JTAG Debugger for ARC600/ARC700 SUB-D (ICD)** supports ARC600, ARC700, ARCtangent-A5 for 15 pin SUB-D connector includes software for WINDOWS, HLL debugger, operation system, cable, requires Power Debug Module
LA-7960X MULTICORE-LIZENZ	**License for Multicore Debugging** Required for multicore debugging with identic cores Applicable for: for LA-3712 (JTAG Debugger for ZSP500 DSP Core) for LA-3730 (Debugger for Microblaze) for LA-3735 (JTAG Debugger for MPC8641) for LA-3750 (JTAG Debugger for ARC600) for LA-7719 (JTAG Debugger for MPC74xx) for LA-7721 (JTAG Debugger for PPC603/MPC74x/75x) for LA-7742 (JTAG Debugger for ARM9) for LA-7744 (JTAG Debugger for ARM10) for LA-7746 (JTAG Debugger for ARM7) for LA-7753 (JTAG Debugger for MPC5500) for LA-7758 (JTAG Debugger for SH2/SH3/SH4) for LA-7760 (JTAG Debugger for MIPS32) for LA-7761 (JTAG Debugger for MIPS64) for LA-7764 (JTAG Debugger for MPC8560/MPC8540) for LA-7765 (JTAG Debugger for ARM11) for LA-7774 (JTAG Debugger for Teak/TeakLite/OAK JAM) for LA-7830 (JTAG Debugger for TMS320C55X) for LA-7834 (JTAG Debugger for StarCore) for LA-7836 (JTAG Debugger for MMDSP) for LA-7837 (Debugger for NIOS-II) for LA-7838 (JTAG Debugger for TMS320C6400) for LA-7843 (JTAG Debugger for CORTEX-A) for LA-7844 (JTAG Debugger for CORTEX-M) requires a valid software guarantee or a valid software license key please add the serial number of the base dongle to your order

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Detailed Order Information

Order No.	Code	Text
LA-7701	DEBUG-EXT	Debug Module
LA-7708	DEBUG-USB2	Power Debug Module USB-2
LA-7705	DEBUG-ETH	Power Debug Module Ethernet
LA-7710	BDM-68K	BDM Debugger for 68K (ICD)
LA-7745	ONCE-MCORE	ONCE Debugger for M-CORE (ICD)
LA-7733	BDM-MCS08	BDM Debugger for MCS08 (ICD)
LA-7714	BDM-HC12	BDM Debugger for 68HC12 (ICD)
LA-7717	BDM-MCS12	BDM Debugger for MCS12 (ICD)
LA-7736	BDM-MCS12X	BDM Debugger for MCS12X (ICD)
LA-7712	BDM-HC16	BDM Debugger for 68HC16 (ICD)
LA-7750	DEBUG-196EA	Debugger for 196EA (ICD)
LA-7732	BDM-COLDFIRE	BDM Debugger for ColdFire (ICD)
LA-7723	DEBUG-PPC400	JTAG Debugger for PPC400 (ICD)
LA-7752	DEBUG-PPC44X	JTAG Debugger for PPC44x (ICD)
LA-7722	BDM-MPC500/800	BDM Debugger for MPC500/800 (ICD)
LA-7753	DEBUG-MPC5500	JTAG Debugger for MPC5500 (ICD)
LA-7729	DEBUG-MPC8260	JTAG Debugger for MPC82xx/MPC83xx(ICD)
LA-7764	DEBUG-MPC8560	JTAG Debugger for MPC8560/MPC8540 (ICD)
LA-7734	JTAG-MPC5200	JTAG Debugger for MPC5200/MGT5100 (ICD)
LA-7721	DEBUG-PPC603	JTAG Debugger for PPC603/MPC74x/75x (ICD)
LA-7719	DEBUG-PPC74XX	JTAG Debugger for MPC74xx (ICD)
LA-7719X	DEBUG-PPC74XX-X	JTAG Debugger Extension for MPC74xx (ICD)
LA-7730	BDM-DSP56K	BDM Debugger for DSP56K (ICD)
LA-7735	BDM-DSP56300	BDM Debugger for DSP56300 (ICD)
LA-7735U	BDM-DSP56300-U	BDM Debugger for DSP56K300 Upgrade (ICD)
LA-7738	BDM-DSP56800	BDM Debugger for DSP56800 and DSP56800E (ICD)
LA-7746	JTAG-ARM7-20	JTAG Debugger for ARM7 20 Pin Connector (ICD)
LA-7746X	JTAG-ARM7-X	JTAG Debugger Extension for ARM7
LA-7747	JTAG-ARM-CON-14-20	JTAG ARM Converter 14-20

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Order No.	Code	Text
LA-7748	JTAG-ARM-CON-20-TI14	JTAG Converter to TI Target Adapter 14
LA-7742	JTAG-ARM9	JTAG Debugger for ARM9 (ICD)
LA-7742X	JTAG-ARM9-X	JTAG Debugger Extension for ARM9
LA-7744	JTAG-ARM10	JTAG Debugger for ARM10 (ICD)
LA-7744X	JTAG-ARM10-X	JTAG Debugger Extension for ARM10
LA-7765	JTAG-ARM11	JTAG Debugger for ARM11 (ICD)
LA-7765X	JTAG-ARM11-X	JTAG Debugger Extension for ARM11
LA-7739	JTAG-JANUS	JTAG Debugger for JANUS (ICD)
LA-7843	JTAG-CORTEX_A/-R	JTAG Debugger for CORTEX-A/-R (ICD)
LA-7843X	JTAG-CORTEX_A-X	JTAG Debugger Extension for CORTEX-A/-R
LA-7844	JTAG-CORTEX_M	JTAG Debugger for CORTEX-M (ICD)
LA-7844A	JTAG-CORTEX_M-A	JTAG Debugger License for CORTEX-M Add.
LA-7844X	JTAG-CORTEX_M-X	JTAG Debugger Extension for CORTEX-M
LA-7755	OCDS-C166CBC	OCDS Debugger for C166CBC (ICD)
LA-7756	OCDS-TRICORE	OCDS Debugger for TriCore (ICD)
LA-7759	OCDS-C166S-V2	OCDS Debugger for C166S V2 (ICD)
LA-3732	OCDS-XC800	OCDS Debugger for XC800 (ICD)
LA-7774	JTAG-TEAK-JAM	JTAG Debugger for Teak/TeakLite/OAK JAM (ICD)
LA-7789	JTAG-OAK-SEIB	JTAG Debugger for OAK/TeakLite SEIB (ICD)
LA-3711	JTAG-CEVAX	JTAG Debugger for CEVA-X
LA-7831	JTAG-C54X	JTAG Debugger for TMS320C54X
LA-7830	JTAG-C55X	JTAG Debugger for TMS320C55X (ICD)
LA-7830A	JTAG-C55X-A	JTAG Debugger License for TMS320C55x Add.
LA-7838	JTAG-C6400	JTAG Debugger for TMS320C6400 (ICD)
LA-7839	JTAG-C6200	JTAG Debugger for TMS320C6200 (ICD)
LA-7832	JTAG-ZSP400	JTAG Debugger for ZSP400 DSP Core
LA-7834	JTAG-STARCORE-14	JTAG Debugger for StarCore 14 Pin (ICD)
LA-7758	JTAG-SH4-14	JTAG Debugger for SH2/SH3/SH4 14 Pin (ICD)
LA-7817	JTAG-SH4-20	JTAG Debugger for SH2/SH3/SH4 20 Pin (ICD)
LA-3710	JTAG-ST40	JTAG Debugger for ST40 (ICD)
LA-7980	JTAG-SH-CON-14P-36H	JTAG SH Converter 14 Pin to 36 Pin Hirose
LA-7760	EJTAG-MIPS32	JTAG Debugger for MIPS32 (ICD)
LA-7761	EJTAG-MIPS64	JTAG Debugger for MIPS64 (ICD)
LA-7762	JTAG-XSCALE	JTAG Debugger for XSCALE (ICD)
LA-7762X	JTAG-XSCALE-X	JTAG Debugger Extension for XSCALE (ICD)
LA-7766	JTAG-H8S	JTAG Debugger for H8S (ICD)
LA-3745	JTAG-H8SX	JTAG Debugger for H8SX (ICD)

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Order No.	Code	Text
LA-7763	**JTAG-SUPER10**	**JTAG Debugger for Super10 (ICD)**
LA-7835	**JTAG-V850**	**N-Wire Debugger for V850 (ICD)**
LA-7842	**JTAG-VR**	**N-Wire Debugger for NEC VR-Series (ICD)**
LA-7836	**JTAG-MMDSP**	**JTAG Debugger for MMDSP (ICD)**
LA-7837	**JTAG-NIOS-II**	**Debugger for NIOS-II (ICD)**
LA-3750	**JTAG-ARC**	**JTAG Debugger for ARC600/ARC700 (ICD)**
LA-3751	**JTAG-ARC-SUBD**	**JTAG Debugger for ARC600/ARC700 SUB-D (ICD)**
LA-7960X	**MULTICORE-LIZENZ**	**License for Multicore Debugging**
Additional Options		
LA-2101	AD-HS-20	Adapter Half-Size 20 pin
LA-3724	ADAP-STARCORE-EJECT	Adapter for StarCore Boards with Ejector
LA-3767	AUD-SH725X-ERNI	AUD SH725x Converter 14Pin/36Pin YA to ERNI
LA-3723	CON-JTAG14-MICTOR	Conv. 14 Pin JTAG to Mictor38 for MPC55xx
LA-7819	CONV-HUDI14-JTAG20	Converter H-UDI 14 to JTAG 20
LA-7822	CONV-JTAG20-HIROSE36	Converter JTAG 20 to Hirose 36
LA-7818	CONV-JTAG20-HUDI14	Converter JTAG 20 to H-UDI 14
LA-7823	CONV-JTAG20-MICTOR38	Converter JTAG 20 to Mictor 38
LA-3721	CONV-V850-GLEN	Converter GlenAir to 20 Pin/100 mil
LA-7936	CONV-V850/VR-KEL	Converter KEL to 20 Pin/100 mil
LA-7937	CONV-V850/VR-MICTOR	Converter Mictor to 20 Pin/100 mil
LA-7661	DEBUG-M32R	Debug Adapter for M32R SDI-3 (ICD)
LA-3735	DEBUG-MPC8641	JTAG Debugger for MPC8641 (ICD)
LA-7777	EJTAG-MIPS32-14/12	EJTAG MIPS32 Converter 14/12
LA-7798	EJTAG-MIPS32-14/24	EJTAG MIPS32 Converter 14/24
LA-7833	JTAG-BLACKFIN	JTAG Debugger for BLACKFIN (ICD)
LA-7841	JTAG-C6700	JTAG Debugger for TMS320C6700 (ICD)
LA-3760	JTAG-DIAMOND-CORES	JTAG Debugger for Tensilica Diamond Cores
LA-7848	JTAG-M8051EW	JTAG Debugger for M8051EW
LA-3730	JTAG-MICROBLAZE	Debugger for MicroBlaze (ICD)
LA-3765	JTAG-SH725X-14P-MIC	JTAG SH725x Converter 14 Pin to Mictor
LA-7845	JTAG-STARCORE-20	JTAG Debugger for StarCore 20 Pin (ICD)
LA-7847	JTAG-TMS320C28X	JTAG Debugger for TMS320C28X (ICD)

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Order No.	Code	Text
LA-3712	JTAG-ZSP500	JTAG Debugger for ZSP500 DSP Core (ICD)
LA-7620	NEXUS-MAC71XX	NEXUS Debugger and Trace for MAC71xx/ MAC72xx
LA-7610	NEXUS-MPC5500	NEXUS Debugger and Trace for MPC5500
LA-7612	NEXUS-MPC551X	NEXUS Debugger and Trace for MPC551x
LA-7791	NEXUS-MPC565-MICTOR	Nexus Adapter for MPC56x family/Mictor38
LA-7600	NEXUS-SUPER10-3.3V	Nexus Adapter for Super10 3.3V
LA-7991	PP-ARM-ETM-AF	Preprocessor for ARM-ETM with AUTOFOCUS Flex
LA-7992	PP-ARM-ETM-AF-2	Preproc. for ARM-ETM/AUTOFOCUS II 500 Flex
LA-7923	PP-ARM-ETM-TWO	Preprocessor for ETM 2-MICTOR 2 flex cables
LA-7889	PP-ARM-ETM/120	Preprocessor for ARM-ETM 120
LA-7921	PP-ARM-ETM/200	Preprocessor for ARM-ETM 200 flex cable
LA-7990	PP-ARM-ETM/270	Preprocessor for ARM-ETM 270 flex cable
LA-7874	PP-ARM7-BUS	Preprocessor for ARM7 family
LA-7880	PP-C166-FAMILY	Preprocessor for C166 family
LA-7873	PP-COLDFIRE	Preprocessor for ColdFire family
LA-7881	PP-EGOLD	Preprocessor for EGOLD family
LA-7893	PP-EGOLD+	Preprocessor for EGOLD+ family
LA-7857	PP-EGOLD+V3	Preprocessor for complete EGOLD family
LA-7894	PP-MIPS	Preprocessor for MIPS flex cable
LA-7883	PP-MPC500/800-D	Preprocessor for MPC500/800 Family Data
LA-7856	PP-MPC500/800-V2	Preprocessor for MPC500/800 Family Data V2
LA-7886	PP-MPC555-TC	Preprocessor for MPC555 TCON
LA-9662	PP-MPC561-TC	Preprocessor for MPC561/MPC563 TCON320
LA-7885	PP-MPC850-TC	Preprocessor for MPC850 and MPC823-TCON
LA-7884	PP-MPC860-TC	Preprocessor for MPC860 and MPC821 TCON
LA-7905	PP-MPC880-TC	Preprocessor for MPC880 and MPC885 TCON
LA-3801	PP-NIOSII	Preprocessor for NIOS-II Flex Cable
LA-7929	PP-PPC4XX-F	Preprocessor for PPC4xx family fast flex
LA-7898	PP-SH3/4	Preprocessor for SH3 and SH4 (AUD)
LA-7942	PP-TRACE-VR	Preprocessor for VR-Flex
LA-7928	PP-TRICORE-3.3V	Preprocessor TriCore OCDS-L2 3.3V Samtec 60
LA-7879	PP-TRICORE-5V	Preprocessor TriCore OCDS-L2 5V Samtec 60
LA-7660	TRACE-M32R	Debug/Trace Adapter for M32R SDI-3

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