

ARM

series

SIGNUM SYSTEMS CORPORATION

ARM Board Setup

User
Guide

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Preface

This manual provides information on setting up selected ARM evaluation and target boards for use with the Signum JTAGjet in-circuit debugger (emulator). This, depending on the board, may include on or more of the following:

- illustration of the board connected to the emulator;
- jumper and switch settings for JTAG and ETM configurations;
- other jumper settings, as determined by Signum Systems;
- details of the core or board selection;
- JTAG speed;
- names and locations of configuration macros;
- names and locations of sample programs;
- additional information.

Evaluation and Development Boards

COGENT CDK238–Cirrus EP73xx

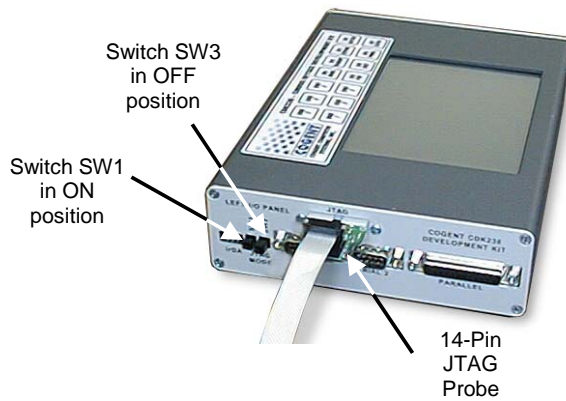


FIGURE 1 COGENT CDK238–Cirrus EP73xx Development Kit. Note the correct positions of SW1 and SW3 switches.

ARM Evaluator-7T

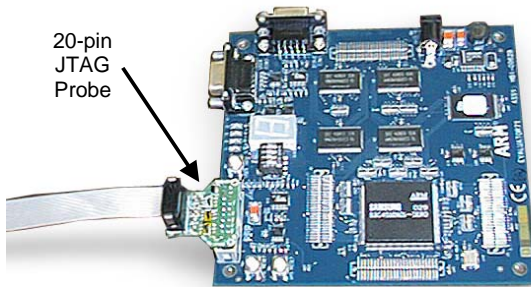


FIGURE 2 ARM Evaluator-7T Board with the Samsung KS32C50100 microcontroller.

Sharp KEV75401

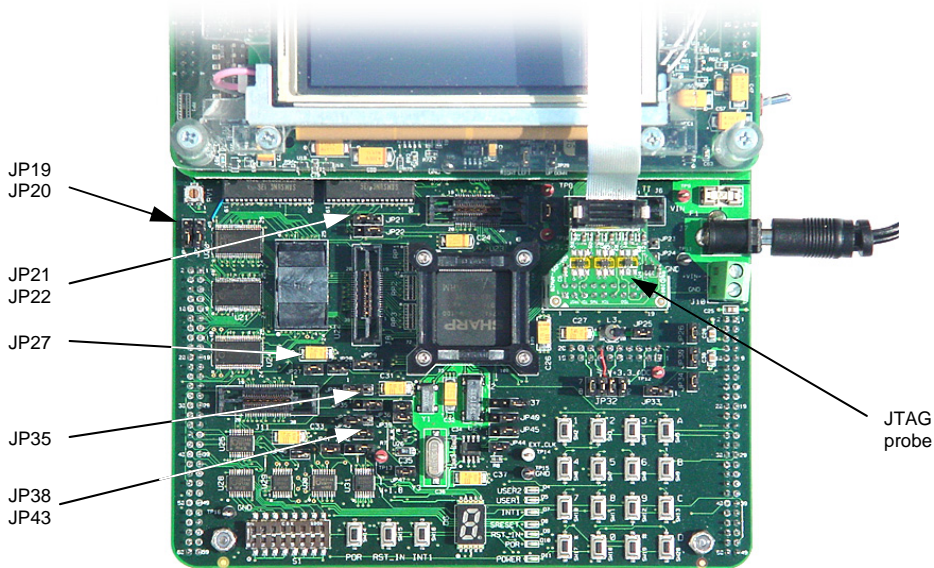


FIGURE 3 Sharp KEV75401 Evaluation Board.

JUMPER	SETTING	FUNCTION
JP19 JP20 JP27		Flash programming. See the Flash Programming Plugin for Chameleon Debugger User Guide for details.
JP21 JP22		Memory configuration. Set <code>memconf</code> in the KEV75401.mac startup macro file according to the setting of these jumpers.
JP35	1 – 2	JTAGjet reset controls the nRESET signal (MCU reset).
	2 – 3	JTAGjet reset controls the nPOR signal (power-up reset). JP35 setting is optional.
JP38 JP43	Opened Closed	Enable JTAG. Required setting.

TABLE 1 Sharp KEV75401 jumper settings.

Motorola X9328MX1ADS

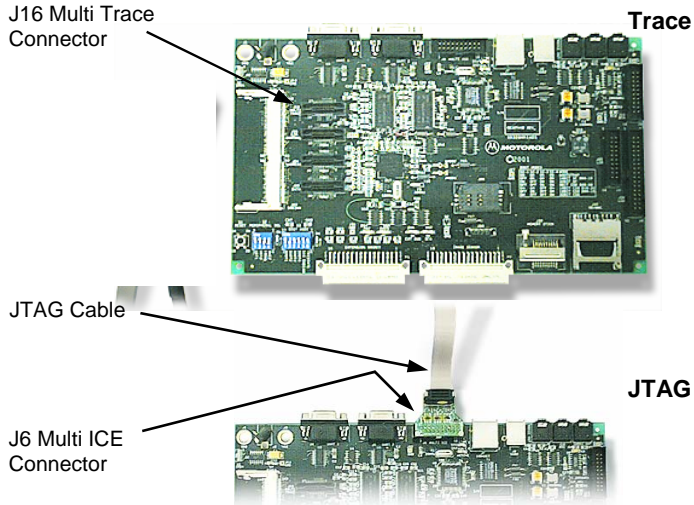


FIGURE 4 Motorola X9328MX1ADS Target Board. TOP: for the trace option, insert the trace probe into the J16 Multi Trace connector. BOTTOM: for the JTAG-only option, insert the JTAG probe into the J6 Multi ICE connector.

Altera Excalibur

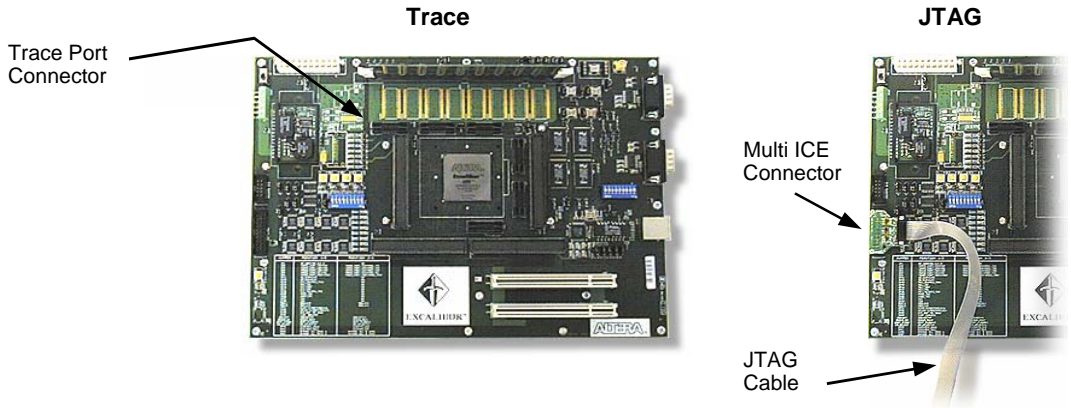


FIGURE 5 Altera Excalibur Target Board. LEFT: for the trace option, insert the trace into the Trace Port connector. RIGHT: for the JTAG-only option, insert the JTAG probe into the Multi ICE connector.

