HWRelNot.txt
Intel(R) StrongARM* SA-1110
Development Board
Hardware Release Notes
Phase 5
June 16, 2000

Document revision: 278234-004
File name: HWRELNOT.TXT

Document Contents:

Introduction:

This SA-1110 Development Board is shipped with many
hardcopy documents, including Readme files and Hardware
Release Notes (this document). The Readme files and
Hardware Release Notes contain last minute changes which
are not documented anywhere else.

Warning: Before you begin for all SA-1110 Development
Boards

The following components are very fragile on the SA-1110
Development Board. If these components are damaged, the
board or unit will need to be replaced.
- 140 pin connectors--very fragile, see documentation.
- Display ribbon for J9--the ears are easily damaged.
- Flexprint cable for display--Do not crease or bend at a
  sharp angle.

Intel(R) StrongARM* SA-1110 Development Board Kit Contents:

 If any items are missing or damaged, contact your Intel sales
 representative.

 A fully populated SA-1110 Development Board is shipped with
 the following items:

 -Sharp 3.9 inch LCD touch screen
 -Two Electret microphones (attached to board)
 -Mini speaker
 -Lithium Ion battery pack with harness
 -Stereo headset (3.5mm)
 -Telephone headset (2.5mm)
 -Socket Communications Compact Flash Low Power Ethernet CF+
  card (LP-E CF+ card)
 -RJ12 Coupler
 -Static control wrist strap
 -Stylus
 -Jumpers (shunts)

  Power supplies:
 -6V 2.5A 110-240V 50-60Hz AC to DC adapter for U.S.A or
  EU, APAC

  Cables:
 -Base station cable with 9-pin Dsub serial port, 25-pin

  Dsub JTAG, RJ11 phone jack
 -TV video out cable
 -A 10BASE-T unshielded twisted pair (UTP) "cross-over"
  Ethernet cable to go between the host and SA-1110
  Development Board

 Development tools
 -Evaluation version of the ARM* Development Suite (ADS)
  version 1.01

Documentation
 -Intel(R) StrongARM* SA-1110 Microprocessor Development
  Board User's Guide
 -Intel(R) StrongARM* SA-1110 Microprocessor Development
  Board Part's List
 -Intel(R) StrongARM* SA-1110 Microprocessor Development
  Board Schematics
 -Intel(R) StrongARM* SA-1110 Development Board Hardware
  Release Notes (this document)
 -Intel(R) StrongARM* SA-1110 Microprocessor Developer's
  Manual
 -Intel(R) StrongARM* SA-1110 Microprocessor Brief
  Datasheet
 -Intel(R) StrongARM* SA-1110 Microprocessor Specification
  Update
 -Intel(R) StrongARM* SA-1111 Microprocessor Companion
  Chip Brief Datasheet
 -Intel(R) StrongARM* SA-1110 Microprocessor Companion
  Chip Specification Update
 -Intel(R) StrongARM* SA-1110/SA-1111 Development Kit
  Quick Start User's Guide --Not available at the
  printing of this document; check Intel's website for
  developers for new documentation.
 -Marketing collateral
Note: The schematics, parts list, software (including the CPLD
      source code) and copies of the documentation are available
      from the developer's area on the Intel website.

Revision History:

All boards have a sticker on side 2 near L1
that identifies the order number of the board
and provides a serial number and the board's
revision number in the following
format: SA111DEVBD VSxxxxxxx R2.0X, where SA1111DEVBD
is the order number, VSxxxxxxx is the serial number
and R2.04 is the board's revision number. For the

board's revision number, the R2 indicates a pass 2
module while the .04 indicates the module build
changes, such as engineering change orders.
A second sticker on side two near the USB connector
indicates the system type and the system revision in
the following format: SA1110DEVBD-BOX REV:5.0, where
SA1110DEVBD-BOX indicates this is an SA-1110
Development Board system and REV:5.0 indicates the
system revision 5. System revision information
determines what is provided with the board.

This release uses pass 2 etch and B-2 or B-4
revision SA-1110 components. The revision of the
SA-1110 component can be read from the stepping
field in Register 0 of the SA-1110 device.

Known Problems and Restrictions:

See Intel's website at http://www.intel.com for the latest SA-1110
Development Board Specification Update for known problems and
restrictions.

responsibility whatsoever for conflicts or incompatibilities
arising from future changes to them.

The SA-1110 Development Board may contain design defects or
errors known as errata which may cause the product to deviate
from published specifications. Current characterized errata are
available on request.

Contact your local Intel sales office or your distributor to
obtain the latest specifications and before placing your
product order.

Copies of documents which have an ordering number and are
referenced in this document, or other Intel literature may be
obtained by calling 1-800-548-4725 or by visiting Intel's
website at http://www.intel.com.