

7 Board Revision History

7.1 *Identifying the board revision*

The product revision number of the AGX is etched on the underside of the printed circuit board. That number is 170115-4000x, where "x" is the board revision.

7.2 *Revision History*

The following is an overview of the revisions of the AGX circuit board.

7.2.1 Revision 2

Initial release.

The design was based on the SA-1110 Advanced Graphics Client product. The following summarizes the changes from the AGC:

New Features

XScale PXA255 processor replaces SA-1110

Adds quad UART

Adds Philips USB controller to replace SA-1111 USB hub functionality

Changes

Size of board increases from 4x6 inches to 4x7

Headers J7, J11-J13, J16-J18; jumpers JP1, JP3, JP14 and JP36-37; LEDs D7-D9; DIP switch S1; reset switch S1 and VR1 shifted by one inch with the expansion of the board.

The line of LEDs rotated 90 degrees

Add J40 for quad UART serial ports and MMC signals

Add SPI signals to J9 as follows:

Pin	From	To
27	n/c	SRXD
28	n/c	SCLK2
29	RESET_OUT	SFRM2
30	n/c	STXD