Chip Information

Stb7100 Revision Identification

It can be very difficult to identify which revision of a chip you have. This page collects some of the information we have found which might help.

Most of this information is 'reverse engineered' from parts we have seen. If you have a part where the markings are different from those listed here, and you know what it is, please let us know.

There appear to be two different styles of marking:

- For engineering sample (ES) parts the major and minor silicon revision is clearly marked. So far example for a STB7100 cut 1.0:

STx7100ZWA-ES	Chip name. First letter after the part name indicate security options (Z=development version). Last letter is major revision (A=1, B=1 etc). ES=engineering sample.
A0E-Q451ACP	chip revison: letter=major cut, number=minor cut (eg A0=1.0)
3G104 VQ	manufacturing batch
FRA 3G 503	manufacturing location and date

- For production parts the markings are different. These are documented in the STb7100 datasheet:

> The STx7100 is available in several variants. These are differentiated by between two and four suffix letters in the product code, as summarised below:

Market type	Chip revision	Leaded or unleaded	Delivery type
Z Development version, security disabled **J** Nagra C+ **O** Nagra Premier **Q** Nagra Dedicated **T** Viaccess France Telecom **I** TPS	**A** Cut 1 **B** Cut 2	**P** Unleaded (for STi and STm 7100) **L** Unleaded (for STb 7100) **-** Leaded	**T** Tape-and-reel **-** Standard

However it doesn't appear as if markings always follow this description, and this doesn't explain how to find the minor revision number.

STb7100

Cut		Software ID
cut 1.0		CCN_PVR 0x04061000 CCN_PRR 0x9100 CCN_CVR 0x30480000 SYSCONF_DEVICEID 0x0d424041
cut 1.1	 	
cut 1.3		
cut 2.0	 	CCN_PVR 0x04061100 CCN_PRR 0x9100 CCN_CVR 0x30480000 SYSCONF_DEVICEID 0x1d424041
cut 3.0	 	CCN_PVR 0x04061100 CCN_PRR 0x9100 CCN_CVR 0x30480000 SYSCONF_DEVICEID 0x2d424041

cut 3.1		
cut 3.3		