

SAM5808B, SAM5708B SAM5716B, SAM5916B

Application Note

B revision versus A revision

Overview

SAM5808, SAM5716 and SAM5916 (A revision) has been respectively replaced by SAM5808B, SAM5716B and SAM5916B (B revision). New coming SAM5708B also follows the rules applied to B revision.

Difference between B and A revision

AES sound bank encryption mode cannot be used with A revision

AES sound bank encryption mode can be used with B revision but only in condition: Memory Clock = System Clock/2. This means that MEMCLK (bit 6 of register 0x42) should be cleared.

**All other features and characteristics are identical between B and A revision.
B and A revisions are fully software and hardware compatible.**

Note: AES sound bank encryption mode can be used on SAM5504B and SAM5704B without any restriction.