

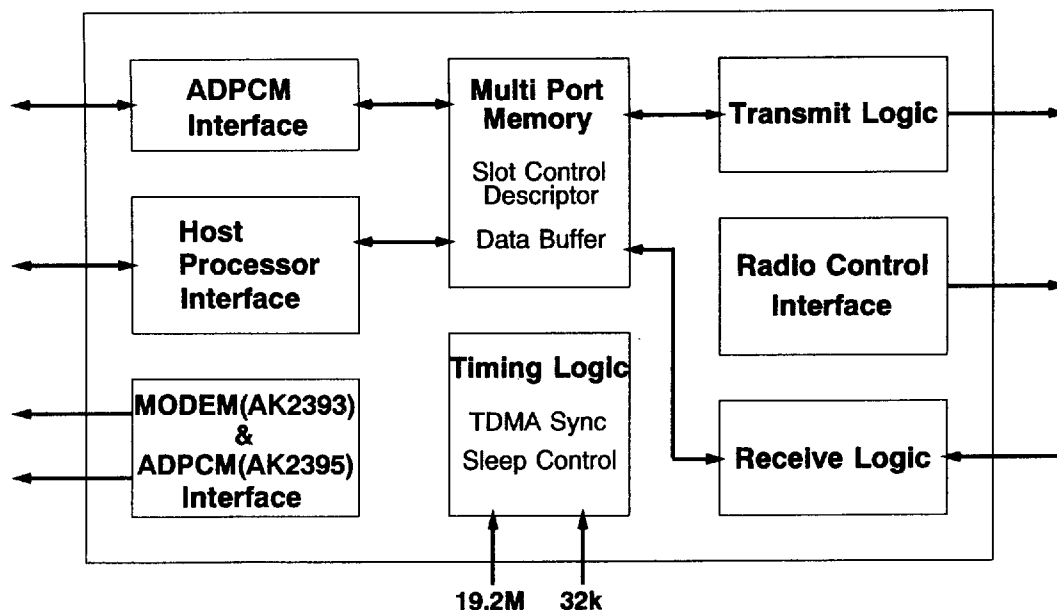
Description

The AK2394 is a TDMA/TDD Burst Mode Controller for Personal Handy phone System in Japan. The AK2394 consists of an ADPCM Interface, a Processor Interface, a Multiport Memory, a Transmit Logic, a Receive Logic, a Timing function, a Serial Interface and a Programmable Radio Interface. The base band circuit for PHS can be realized with AKM's PHS chip set (AK2393/8, AK2395/7 and AK2394)

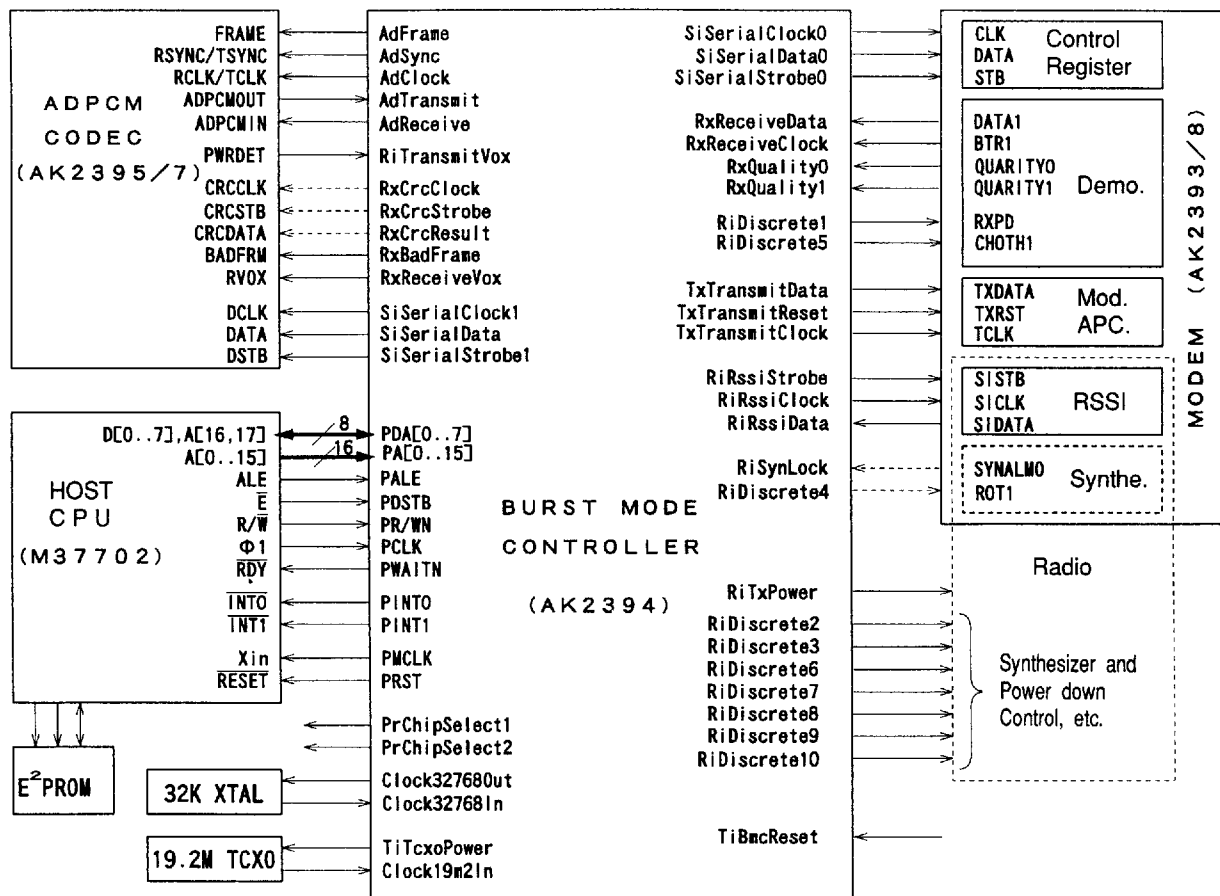
Features

- Exceeds RCR STD-28 (PHS Standard)
- Supports BCCH, PCH, SCCH, FACCH, VOX, Sync. Bursts
- Transmit & Receive Logic
- Timing Control including Sync. & Sleep Control
- Programmable Radio Control
- AK2393/8 (Modem), AK2395/7 (Speech Codec) Control
- 2.7 ~ 3.6V Operation
- 100 pin LQFP

Block Diagram



Application Circuit



AK2394/97/98 under development