

SHD vs Acceptable Answer

B) 44 ksp, 16 bits, 2 chans stereo

= 176 kbyte/sec raw

= 35 kbyte/sec compressed

3 hours is 10,800 seconds

$$35 \times 10,800 = \underline{378 \text{ Mbyte}}$$

Perhaps fit into 256 Mbyte by compressing a bit more.

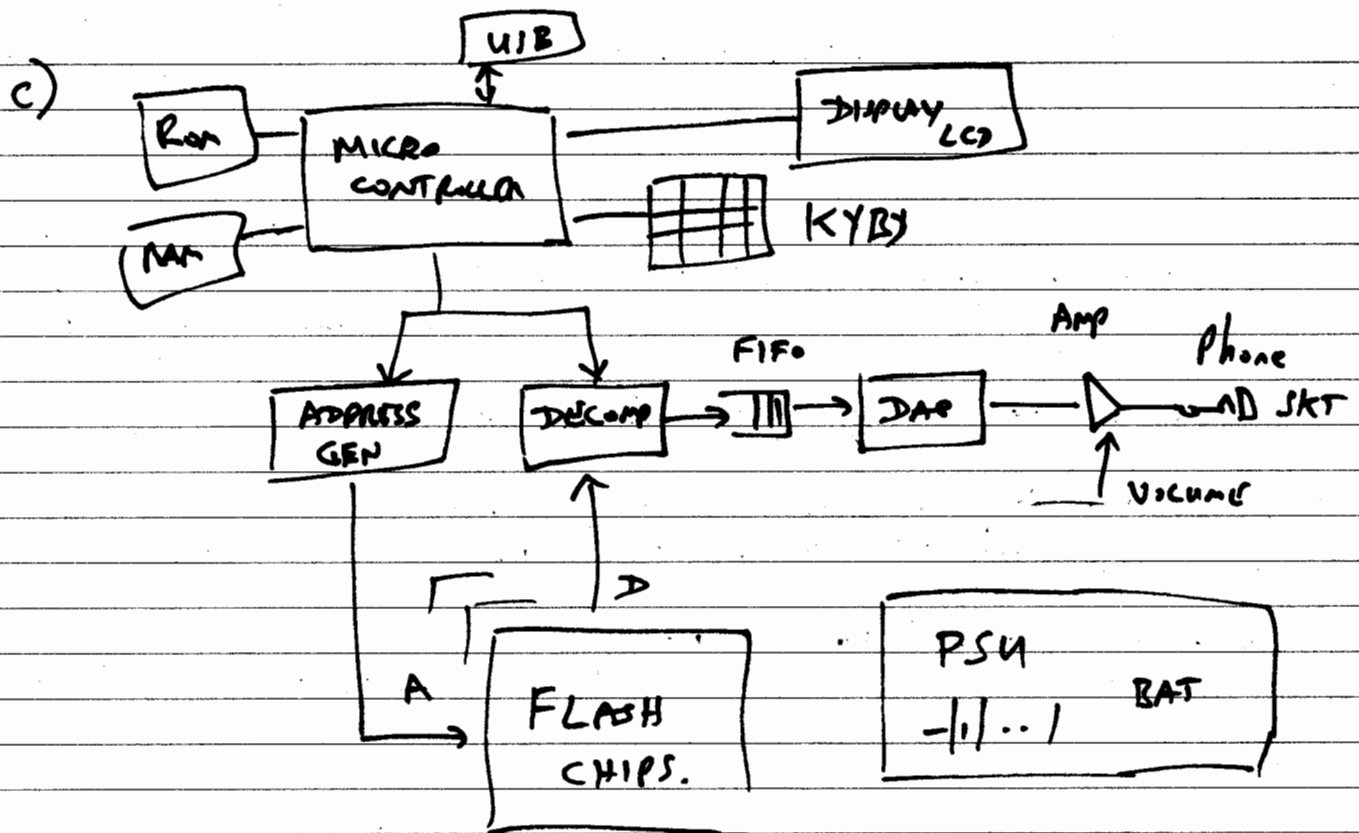
A) Flash EA (P) Rom

o - electrically alterable

o - Fast read - RAM like random access and speed.

o - slower write cycle ~ eg 10ms per byte  
- write '0s' in 3ms.o - Erased in large blocks to FF  
- a slow operation (eg 100ms)

- Limited total n. of erase cycles.



- d)
- one custom chip with as much on as pos.
  - FLASH would be <sup>separate</sup> ~~separate~~ standard part.
  - Tooling needed for
    - The ASIC
    - The LCD display
    - The case work + buttons
    - The PCB.