



"Embedding thoughts into Technology"

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## Kids Games on a 64x32 LCD

Client:

US based company.

### **Requirement:**

To develop games on a 64x32 monochrome LCD panel using an SPLB3x microcontroller with built-in LCD driver. The games will include displaying bitmaps on the LCD in sequence. The LCD is part of a game that will teach children spelling, pronunciation, basic arithmetic and entertainment.

### **Solution:**

Embin has written complete drivers for the LCD controller. These drivers can write to any specified coordinates on the screen. The basic drivers are used by high-level drivers that can display entire images and words on screen. With efficient programming, these drivers are used to create simple and entertaining games.

### **Tools/Platforms:**

- » SPLB37A microcontroller with programmable LCD Driver, 296 bytes of LCD RAM, contrast control.
- » 64x32 LCD Panel