

Introduction & Project Objective

Moving message hardware is a complex electronics circuit which requires Multiplexed display matrix, display control and drive system.

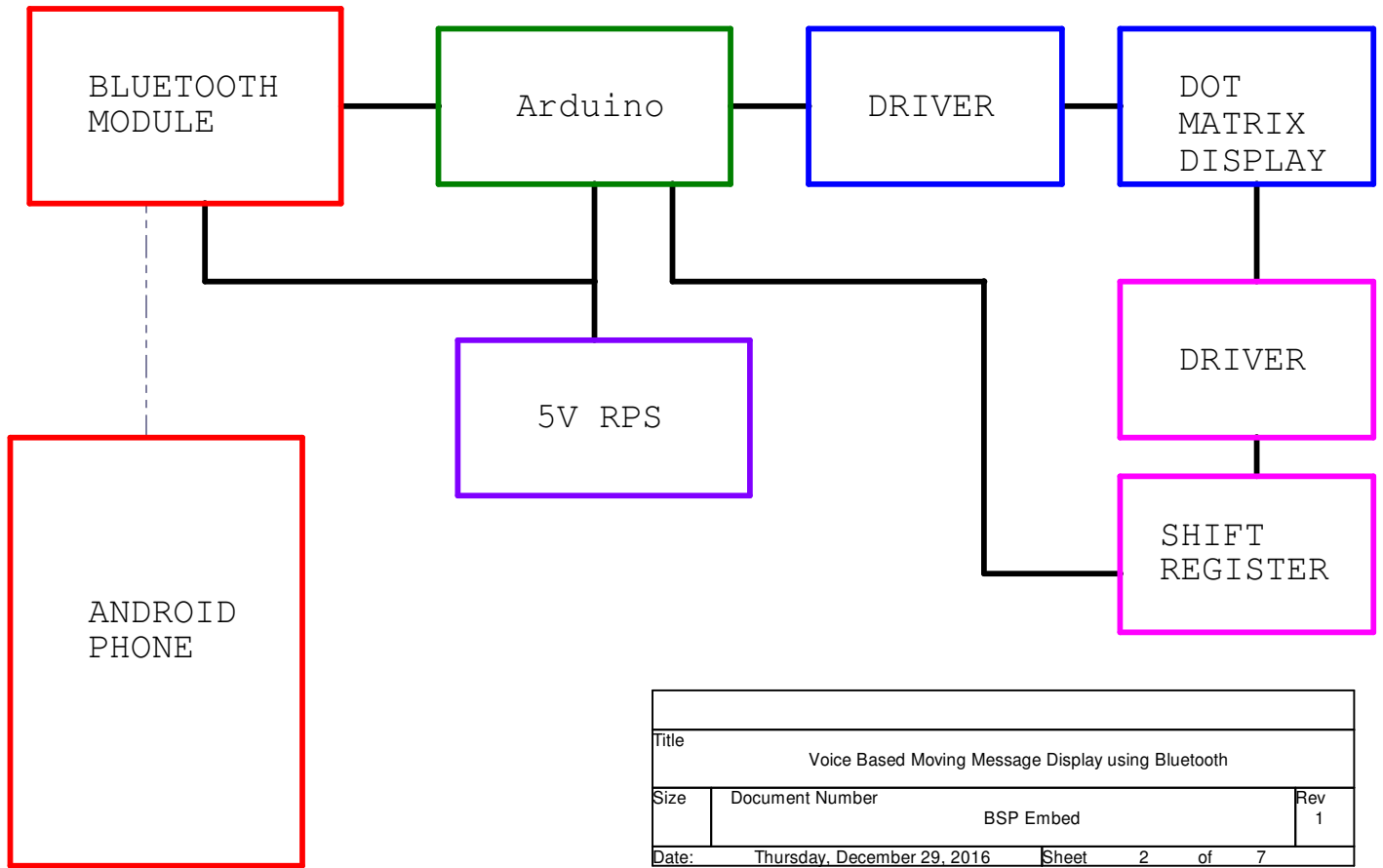
We find moving message display in all corners of the world. Have you ever wonder, how the message is updated to the display. it's difficult for a common man to update the message. It requires computer and cable to upload the contents.

Let's design a smart application that eliminates the need of the computer and you can update the message using your own voice!

With Google's voice recognition, it's easy to interface with arduino via Bluetooth link.

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FUNCTIONAL BLOCK DIAGRAM

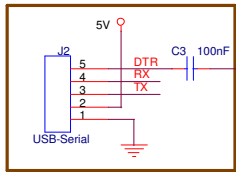


CIRCUIT DIAGRAM

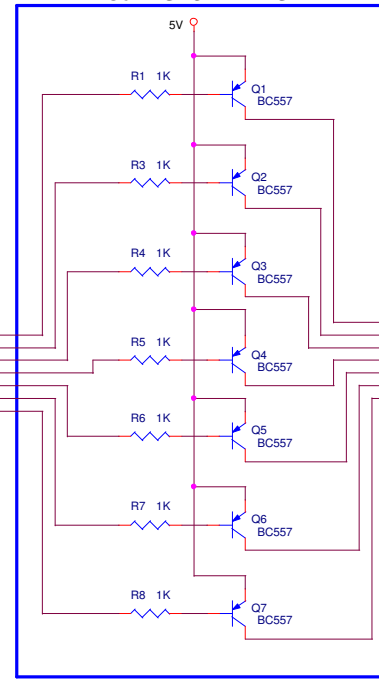
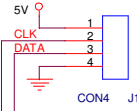
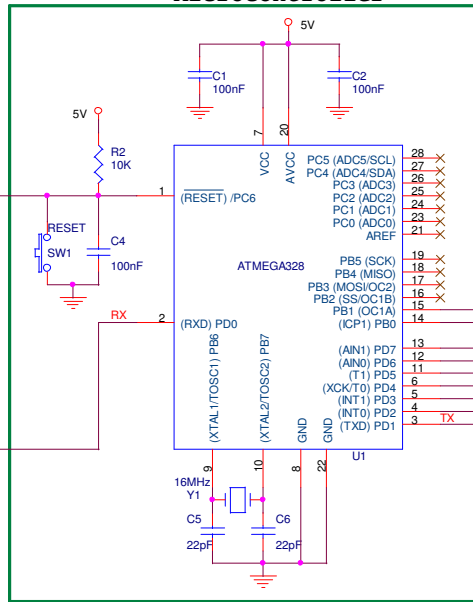
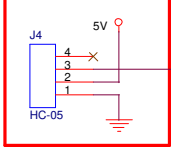
Microcontroller

Current Driver

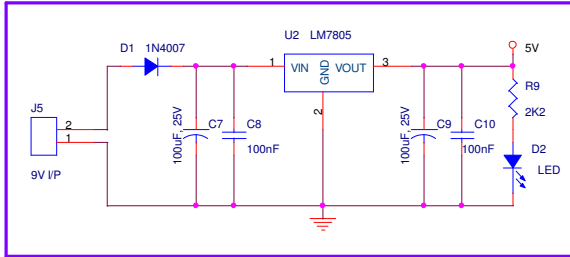
Programming



Bluetooth

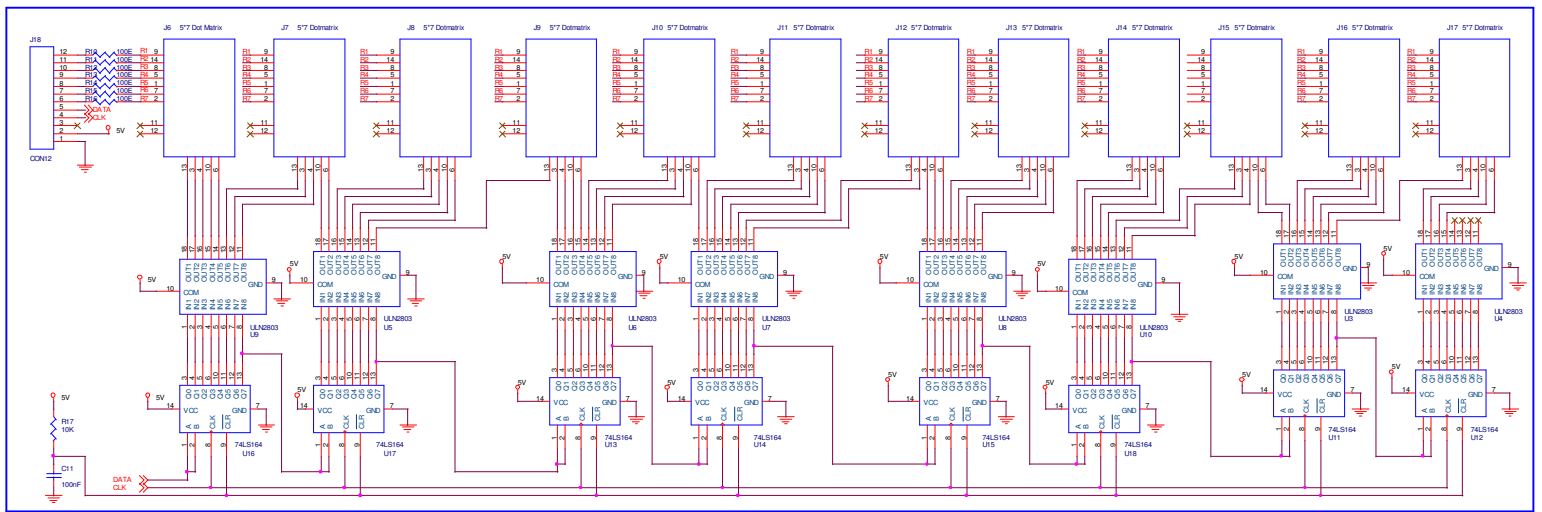


POWER SUPPLY



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12 CHARACTER DOT MATRIX DISPLAY



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