

Embedded web server based on the ST72F321M9 microcontroller

Data Brief

Features

- Provides temperature measurements in the range of -55 °C to 150 °C
- Ethernet interface to the webpage based temperature display on computer terminal
- 2x16 dot matrix interface LCD module
- Switches are provided for user interface
- 10 pin ICC programming/debugging connector
- SCI interface for testing purposes
- 1 Mbyte serial Flash for storage of webpages having larger memory requirements

Description

This evaluation board is able to offers a temperature display via LCD on the board and on a webpage via Ethernet connection. The board acts as a server to provide temperature information on a webpage displayed on the client end. Is also able to measure the temperature from a remote region and send it to a computer unit and then provides the solution for central server-based temperature measurement of various terminals as in applications such us air conditioning control in the industrial sector and hospitals.



1 Circuit schematic

Figure 1. Microcontroller

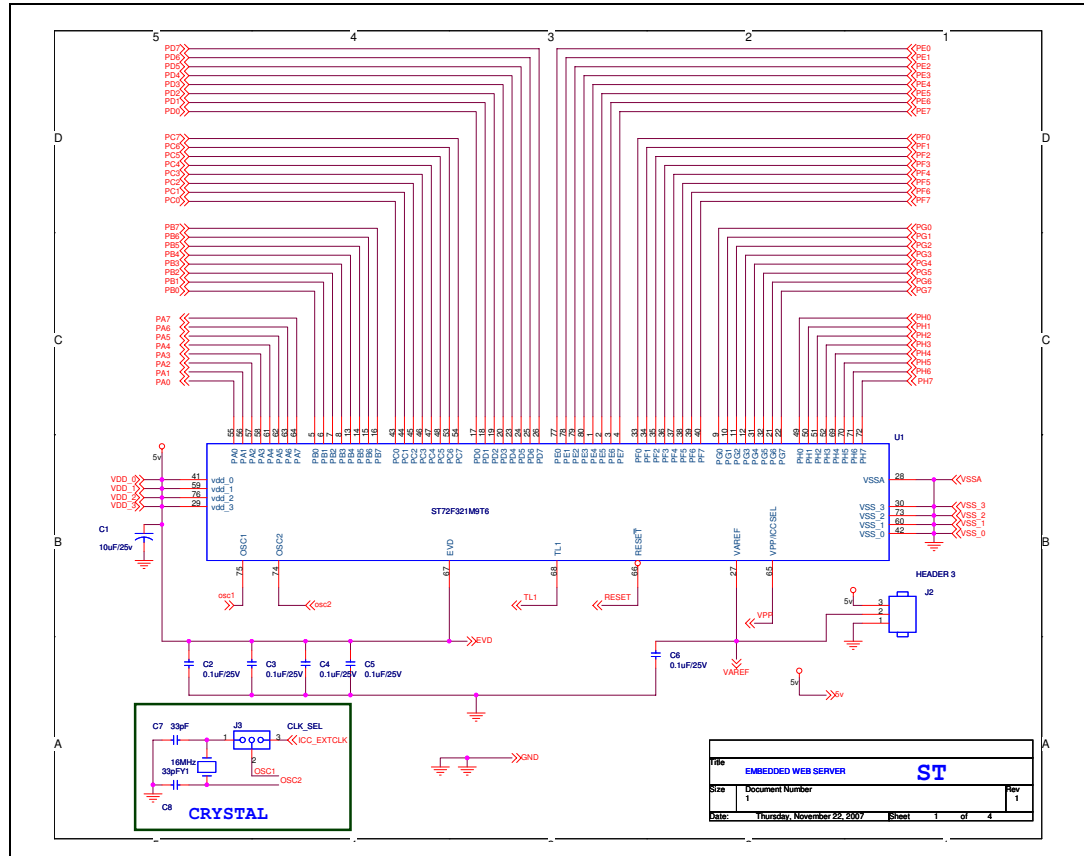
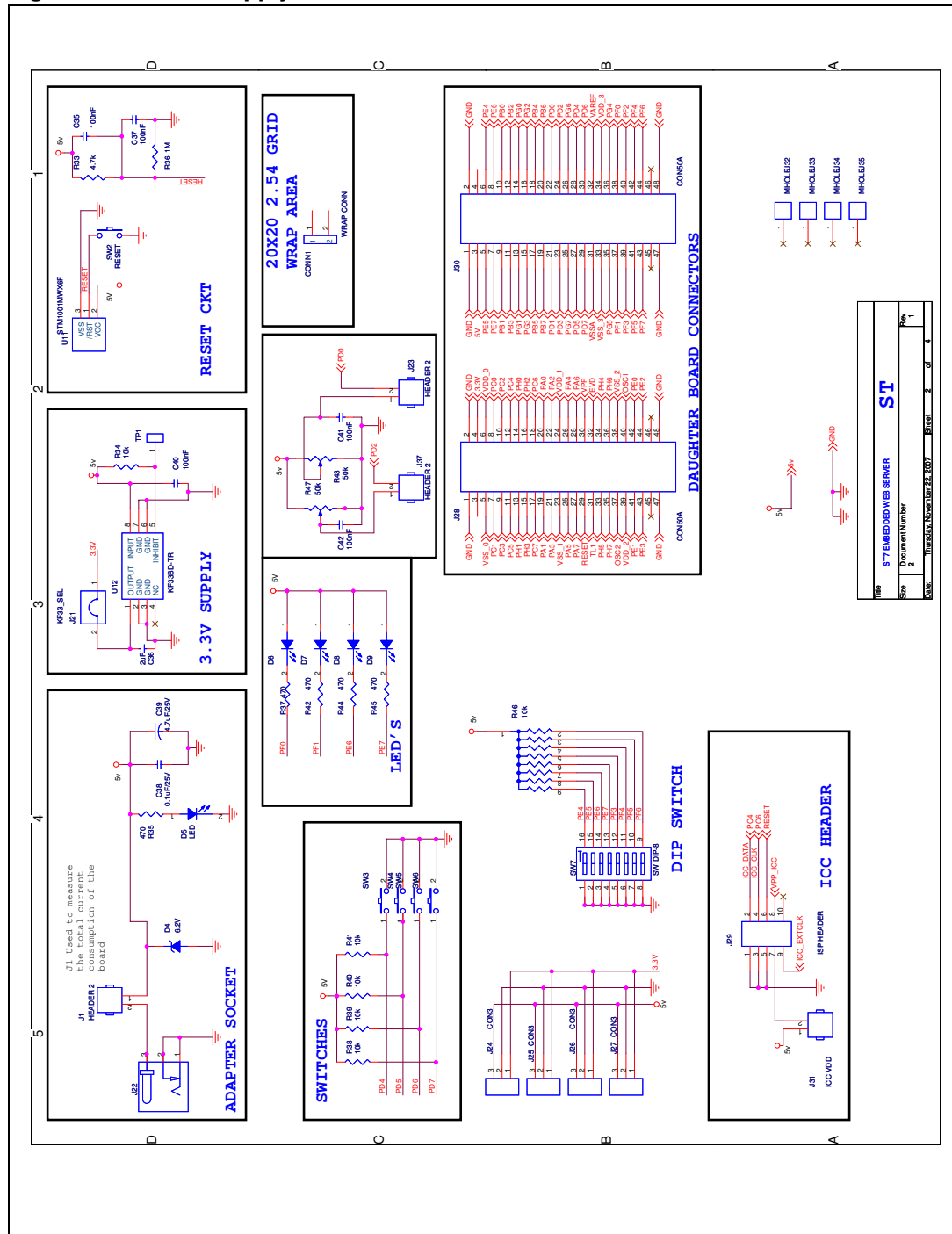
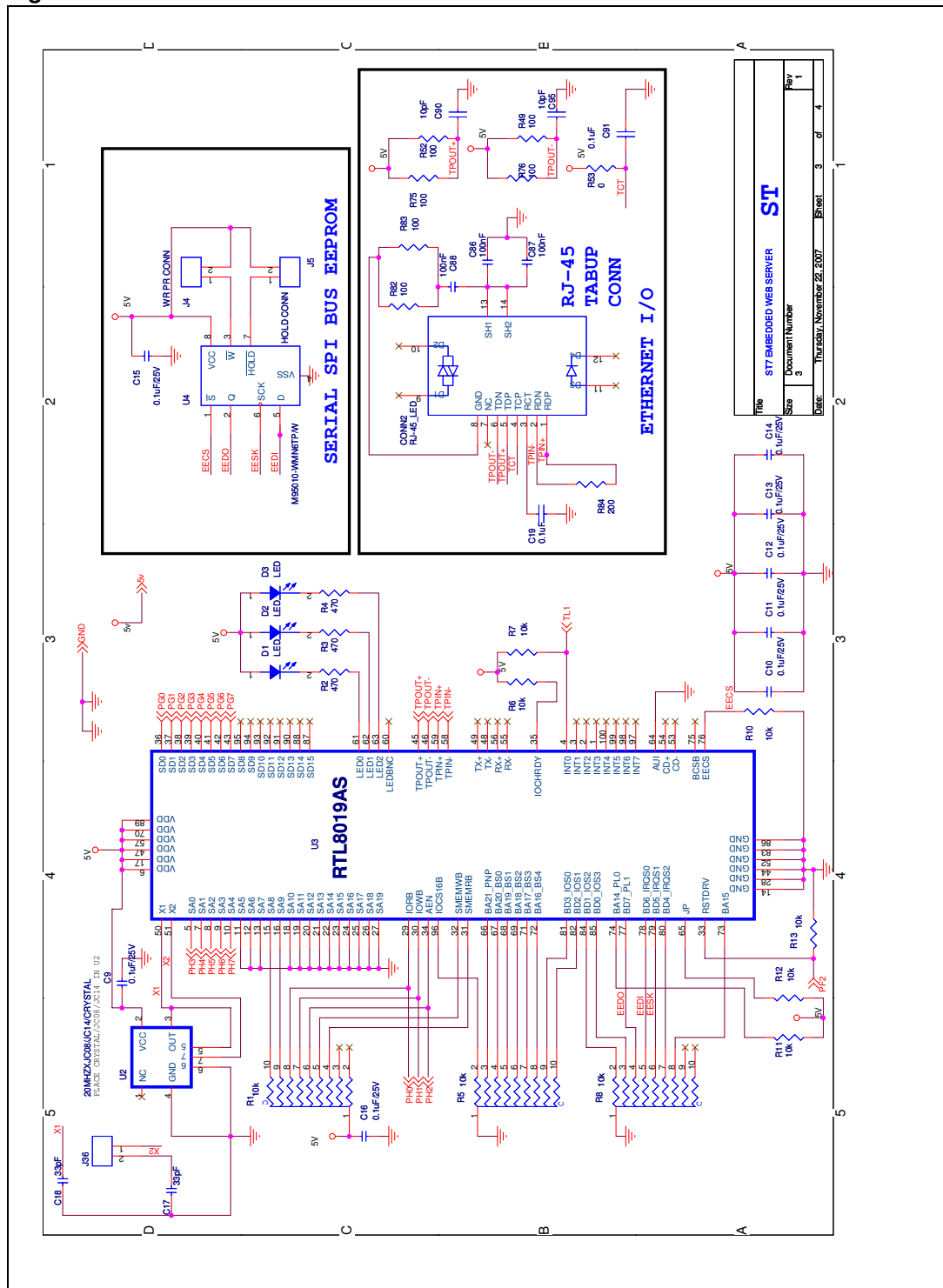


Figure 2. Power supply



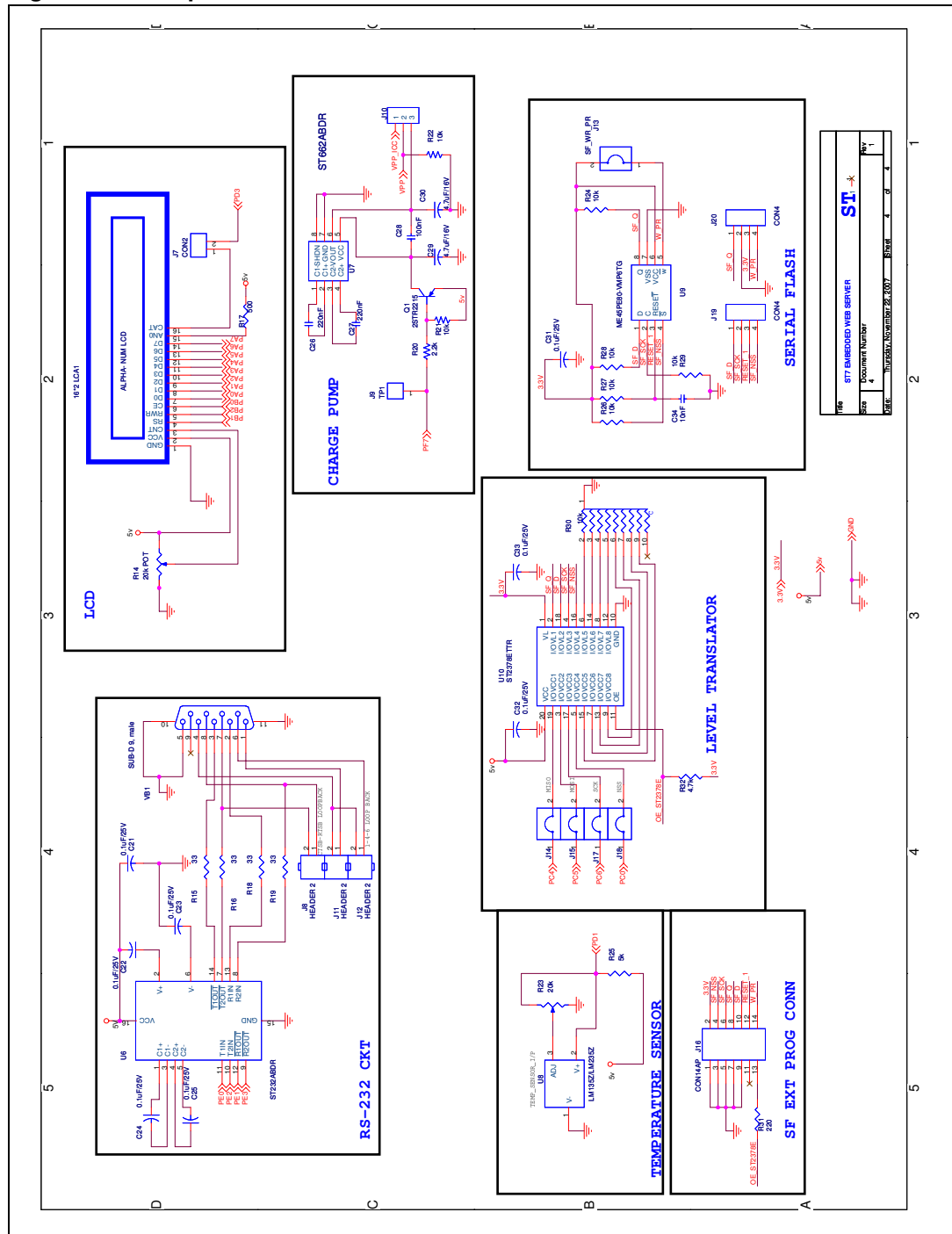
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Figure 3. Ethernet



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Figure 4. Temperature



2 Revision history

Table 1. Document revision history

Date	Revision	Changes
23-Jan-2008	1	Initial release.

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