



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SOMDIMM-LPC1788



Modular LPC1788 based Microprocessor Plug-In System On Module



The SOMDIMM-LPC1788 provides a quick and easy solution for implementing an Cortex-M3 based design by providing the basic functions necessary for a product on an easy to use SOMDIMM. The SOMDIMM uses an industry standard 200 pin SO-DIMM interface. These sockets are utilized by virtually every laptop on the market.

This SOMDIMM is compatible with FDI's Family of Touch Screen LCD Kits but can also be used for custom platform development or customer applications.

The SOMDIMM-LPC1788 includes an NXP LPC1788 Cortex-M3 based microcontroller running the open source uEZ® + FreeRTOS software platform. The LPC1788 has 512KB of internal Flash memory, 96KB of internal SRAM, 4KB of internal EEPROM, a 10/100 Ethernet Media Access Controller (MAC), a USB full speed device/host/OTG controller, four UARTs, two CAN channels and a collection of serial communications interfaces. The SOMDIMM-LPC1788 also includes 8MB of external SDRAM.

Highlights

- **SOMDIMM – CPU Module**
 - **Based on SODIMM form factor (Dual Inline Memory Module)**
 - **LPC1788 120MHz Cortex-M3 based microcontroller**
 - **512KB of Internal FLASH, 96KB of Internal SRAM**
 - **8MB of External SDRAM (16 and 32MB optional)**
 - **1KB of External Secure EEPROM**
 - **10/100 Ethernet PHY**
 - **Mini-JTAG and micro SDCard connectors**
 - **PCB Dimensions 2.66" x 1.89"**
- **Software Included**
 - **FreeRTOS Operating System**
 - **uEZ® Rapid Development Platform**
 - **Complete COM Drivers and APIs with documentation**
- **Includes on-line application documents for all hardware and software**
- **Platform is based on a modular design for maximum flexibility**
- **Distribution stocking with volume discounts available**

