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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1. STYLES AND FORMATTING CONVENTIONS

1.1. Overview

This chapter describes formatting and styles used through the document.

1.2. Number Representation

Numbers in a base other than decimal have a prefix or postfix as indicator. All numbers use little endian formatting, most significant bit/digit is to the left. Digits for binary and hexadecimal representation are grouped with a single space every four digits to improve readability. Binary numbers use “b” as postfix, hexadecimal numbers use “0x” as prefix.

For example 1011b binary = 0xB hexadecimal = 11 decimal.

1.3. Formatting Styles

TYPE	EXAMPLE	DESCRIPTION
Register Name	**RTCCTL**	Register names use capital letter and bold formatting.
Register Bit(s)	**RTCCTL.RTCCLKDIV**	Register bits are always represented with the register name separated with a period
Function selected by Register bit(s)	**[RTCCTL.RTCCLKDIV]**	Within text blocks, functions selected with a register bit setting are set in brackets. For example **[RTCCTL.RTCCLKDIV]** means divider settings /2 to / 65536.
Pin Function	XIN	Pin functions use capital letters
Formulas	`CLK = FCLK / DIV`	Formulas use Teletype font.
Links	Number Representation	Clickable Links are underlined and blue
CPU Mnemonic	`MRS`	CPU Mnemonic use Teletype font.
Operands	`{`*Rd*`,}` *Rn*, *Rm*	Operands use Italic
Code examples	`B loopA`	Code examples use Teletype font.

2. MEMORY AND REGISTER MAP

2.1. Memory Map

Figure 2-1. Memory Map