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April 1st, 2010 Renesas Electronics Corporation

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Renesas Technology Corp. Customer Support Dept. April 1, 2003





Renesas Technology Corp.

M16C/80 Series

Special Page Jump

1.0 Abstract

This program is an example for using a special page jump.

2.0 Introduction

Control jumps to an address that is set in one of the special page vector tables (in 2 bytes each) plus FF0000H. The area within which control can jump is from address FF0000H to address FFFFFH.

The special page vector tables are located in an area ranging from address FFFE00H to address FFFDBH. The special page number at address FFFE00H is 255 and that at address FFFFDAH is 18. A label can be used in place of a special page number.

Shown in this program are an example where labels are used for special page numbers 255 and 18 and an example where a special page number (254) is used directly.

M16C/80 Series Special Page Jump

3.0 Programming Code			
, M16C Program Collection ; CPU : M16C/80 series			
, VromTOP ;	.EQU	0FE0000H	; Declares start address of ROM
; Outline: D ; Input: ; R0() ; R1() ; R2() ; R3() ; A0() ; A1()	cial page subroutin escription example	of special page subroutine c	
, JMPS JMPS JMPS	.SECTION .ORG ¥SUB1 #254 ¥SUB238	PROGRAM,CODE VromTOP; ROM area	; Jumps to LABEL_1 ; Jumps to LABEL_2 ; Jumps to LABEL_238
LABEL_1: (Processing) LABEL_2: (Processing) LABEL_238: (Processing)			
	.SECTION .ORG	SPECIAL,ROMDATA 0FFFE00H	; Special page area
;;Special page			
, SUB1:	.WORD .WORD	LABEL_1&0FFFFH LABEL_2&0FFFFH	; Special page number 255 ; Special page number 254
, SUB238:	.ORG .WORD	0FFFDAH LABEL_238&0FFFFH	; Special page number 18
; .END			

4.0 Reference

MCU Technical Information Homepage

http://www.infomicom.maec.co.jp/indexe.htm

(or http://www.mdece.com/ , http://www.mitsubishichips.com/products/mcu/index.html or your local Web Site.)

Technical Support

E-mail: support@apl.maec.co.jp (or your local support E-mail address. A private e-mail address should NOT be used.)

Data Sheet

M16C/80 group

(Use the latest version on the Homepage: http://www.infomicom.maec.co.jp/indexe.htm)

User's Manual

M16C/80 group (Use the latest version on the Homepage: http://www.infomicom.maec.co.jp/indexe.htm) Renesas Technology Corp.

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