i.MX 6Solo/DualLite Personality Fuses

1 Introduction

This document describes on-chip fuses (called personality fuses) that are used to define the characteristics of the i.MX 6Solo and 6DualLite SoCs.

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Table 1 shows the fuses related to the definition of the SoC.

Table 1. Personality Fuses

Fuse Function	Fuse Address	OCOTP Address	Fuse Name	Settings			
Dual/Solo	0x430[20]	0x021B_C430[20]	NUM_CORES	0 – 2 Cores (DualLite)		1 – 1 Core (Solo)	
				MCIMX6Uxxxxxxxx		MCIMX6Sxxxxxxxx	
MLB	0x430[26]	0x021B_C430[26]	MLB_DISABLE	0 – Enabled		1 – Disabled	
				MCIMX6x1xxxxxxx MCIMX6x4xxxxxxx MCIMX6x6xxxxxxx		MCIMX6x5xxxxxxx MCIMX6x7xxxxxxx MCIMX6x8xxxxxxx	
VPU	0x440[15]	0x021B_C440[15]	VPU_DISABLE	0 – Enabled		1 - Disabled	
				MCIMX6x5xxxxxxx MCIMX6x6xxxxxxx MCIMX6x7xxxxxxx MCIMX6x8xxxxxxx		MCIMX6x1xxxxxxx MCIMX6x4xxxxxxx	
GPU	0x440[2]	0x021B_C440[2]	GPU3D_DISABLE	0 – Enabled		1 – Disabled	
				MCIMX6x5xxxxxxx MCIMX6x6xxxxxxx MCIMX6x7xxxxxxx MCIMX6x8xxxxxxx		MCIMX6x1xxxxxxx	
EPDC	0x430[25]	0x021B_C430[25]	EPDC_DISABLE	0 – Enabled		1 – Disabled	
				MCIMX6x8xxxxxxx		MCIMX6x1xxxxxxx MCIMX6x4xxxxxxx MCIMX6x5xxxxxxx MCIMX6x6xxxxxxx MCIMX6x7xxxxxxx	
Market Segment	0x480[7:6]	0x021B_C480[7:6]	Market_Segment[1:0]	00 – Commercial 0C to 95C	01 – Extended Commercial -20C to 105C	10 – Industrial -40C to 105C	11 – Automotive -40C to 125C
				MCIMX6xxDxxxxxx MCIMX6xxDxxxxxx	MCIMX6xxExxxxxx	MCIMX6xxCxxxxxx	MCIMX6xxAxxxxxx
Speed	0x440[17:16]	0x021B_C440[21:20]	SPEED_GRADING[5:4]	00 – 800 MHz	01 – Reserved	10 – 1000 MHz	11 – Reserved
				MCIMX6xxxxx00xx	MCIMX6xxxxx01xx	MCIMX6xxxxx10xx	MCIMX6xxxxx11xx
HDCP	0x460[16]	0x021B_C460[16]	HDCP ENCRYPTION DISABLE	0 – Encryption enabled		1 – Encryption disabled	
				MCIMX6xxxxxxxCx		MCIMX6xxxxxxxAx	

3   Revision History

Revision 0 is the initial release of this document.

Document Number: AN5324
Rev. 0
08/2016