

**SONY**

# **IMX890**

## **MIPI C-PHY Global Timing Parameters**

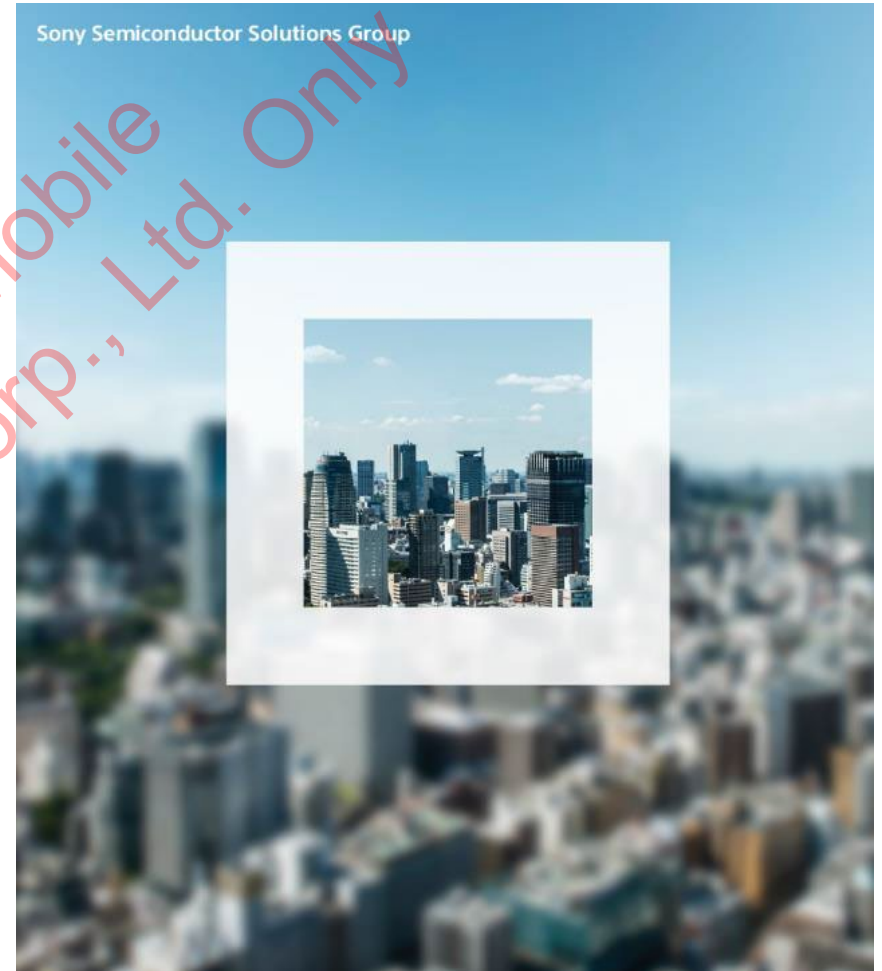
**224 [UI] for t3-POST**

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Mobile System Business Division

Sony Semiconductor Solutions Corporation

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# Revision History

Version	Date	Description
1.0	Aug. 30, 2022	1 <sup>st</sup> release

# Example of setting for MIPI Global timing parameters

An example of setting when setting 224[UI] to t3-POST is shown below.

I <sup>2</sup> C Write address*1	I <sup>2</sup> C Read address*2	[Bit]	Name	Default value	Setting Value	Note
0x0808	0x0808	[1:0]	PHY_CTRL	00h	02h	2h: register control
0x0843	0xDE7C	[5:3]	TGR_PPRG_SEQ_01	-	User Option	User Option *When setting "00h" to T3PROGSEQ_EN, No need to send.
0x0843	0xDE7C	[2:0]	TGR_PPRG_SEQ_00			
0x0844	0xDE7D	[5:3]	TGR_PPRG_SEQ_03			
0x0844	0xDE7D	[2:0]	TGR_PPRG_SEQ_02			
0x0845	0xDE7E	[5:3]	TGR_PPRG_SEQ_05			
0x0845	0xDE7E	[2:0]	TGR_PPRG_SEQ_04			
0x0846	0xDE7F	[5:3]	TGR_PPRG_SEQ_07			
0x0846	0xDE7F	[2:0]	TGR_PPRG_SEQ_06			
0x0847	0xDE80	[5:3]	TGR_PPRG_SEQ_09			
0x0847	0xDE80	[2:0]	TGR_PPRG_SEQ_08			
0x0848	0xDE81	[5:3]	TGR_PPRG_SEQ_11			
0x0848	0xDE81	[2:0]	TGR_PPRG_SEQ_10			
0x0849	0xDE82	[5:3]	TGR_PPRG_SEQ_13			
0x0849	0xDE82	[2:0]	TGR_PPRG_SEQ_12			
0x084E	0xDE70	[2:0]	T3PREPARE [10:8]	*3	*3	Please set default value
0x084F	0xDE71	[7:0]	T3PREPARE [7:0]	*3	*3	
0x0850	0xDE78	[2:0]	T3LPX [10:8]	*3	*3	Please set default value
0x0851	0xDE79	[7:0]	T3LPX [7:0]	*3	*3	
0x0852	0xDE76	[2:0]	T3HSEXIT [10:8]	*3	*3	Please set default value
0x0853	0xDE77	[7:0]	T3HSEXIT [7:0]	*3	*3	
0x0854	0xDE72	[2:0]	T3PREBEGIN [10:8]	00h	00h	Please set default value
0x0855	0xDE73	[7:0]	T3PREBEGIN [7:0]	29h	29h	
0x0856	0xDE83	[0]	T3PROGSEQ_EN	00h	User Option	User Option
0x0858	0xDE74	[2:0]	T3POST [10:8]	00h	00h	(31 + 1) x 7 = 224[UI]
0x0859	0xDE75	[7:0]	T3POST [7:0]	19h	1Fh	

Note1: When writing registers, please access these address during SW-standby.

Note2: When reading registers, please access these address during streaming.

Note3: Refer to "<reference>GlobalTiming" sheet in register setting file. These values depend on data rate.

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