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GTM-IP_104

Generic Timer Module

Specification Appendix B

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Robert Bosch GmbH
Automotive Electronics (AE)

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Revision Number Notice

The specification revision number of this document consists of four decimal integers separated by a dot.

The first decimal integer represents the major release number, the second represents the minor release number and the third represents the delivery number of specification.

A GTM-IP release always refers to the first three decimal integer of the specification revision number and is extended by a design step identifier. This GTM-IP release number can be read out of register GTM_REV.

The fourth decimal integer of specification revision number is related to updated versions of the specification which are independent of a GTM-IP release.

During silicon validation and qualification process it may turn out that the current specification revision related to the silicon is incomplete, inconsistent or ambiguous. It may also be the case that the silicon behaviour diverges for a specific functional feature from specification but the behaviour of silicon is also acceptable for intended GTM applications. In these cases Bosch AE will update the specification and indicate this update by an increase of the fourth decimal integer of specification revision number.

An increased fourth decimal integer means that either the new specification is more precise or that a functional feature was limited or removed. It never means that there was added a new feature.

Revision History

Issue	Date	Remark
0.1	31.05.2011	Initial version
0.2	29.07.2011	Update for v1.4.2
0.3	28.10.2011	Update for v1.4.4
0.4	02.12.2011	Update for v1.5.0
0.5	15.12.2011	Update for v1.5.1
0.6	31.01.2012	Update for v1.5.2
0.7	14.03.2012	Update for v1.5.3
0.8	30.07.2012	Update for v1.5.4
0.9	31.01.2013	Header: Revision number with 4 integer parts New part "Revision Number Notice"
1.0	02.04.2013	Update of table 1.7.1: DPLL_WRADDR[0..31] valid since specification version v1.5.0
1.1	20.06.2013	Update for v1.5.5.1 Include all DPLL register addresses

Conventions

The following conventions are used within this document.

ARIAL BOLD CAPITALS	Names of signals
Arial bold	Names of files and directories
Courier bold	Command line entries
Courier	Extracts of files

References

This document refers to the following documents.

Ref	Authors(s)	Title
1	AE/EIN2	GTM_IP Specification Rev. v1.5.5.1

Terms and Abbreviations

This document uses the following terms and abbreviations.

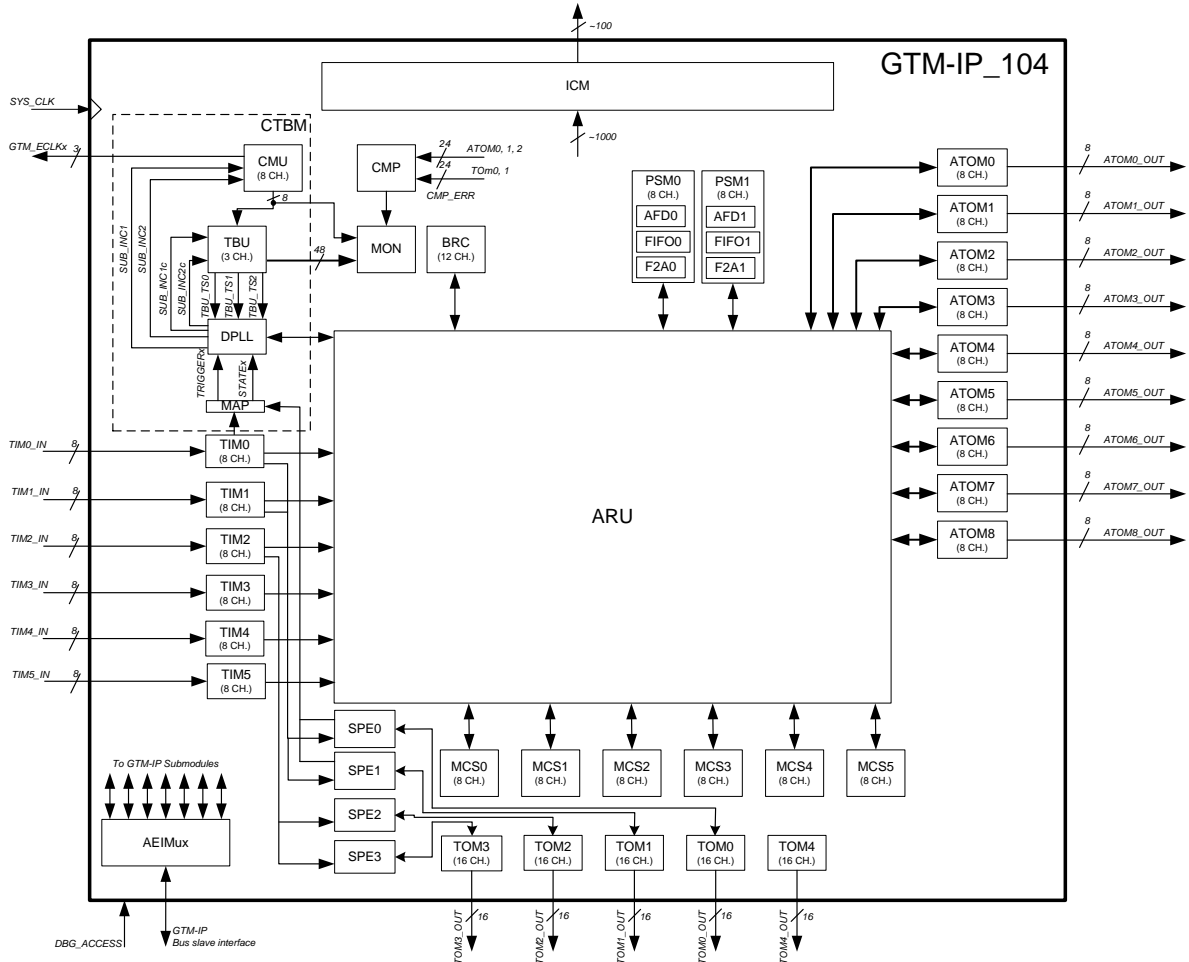
Term	Meaning
GTM	Generic Timer Module

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1 Appendix B

1.1 GTM Device 104 Architecture Block Diagram



1.2 GTM Device 104 Configuration

The following table lists the device configuration of device GTM-IP 104

	instances
BRC	1
PSM	2
TIM	6
TOM	5
ATOM	9
MCS	6
DPLL	1
SPE	4
CMP	1
MON	1

1.3 Reset values of GTM Register

1.3.1 Register GTM_REV

Address Offset:	0x00																Initial Value:																0x1041_55An															
	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0																
Bit	DEV_CODE2				DEV_CODE1				DEV_CODE0				MAJOR				MINOR				NO				STEP																							
Mode	R				R				R				R				R				R				R																							
Initial Value	0x1				0x0				0x4				0x1				0x5				0x5				0xAn																							

- Bit 7:0 **STEP:** release step
GTM Release step
- Bit 11:8 **NO:** delivery number
Define delivery number of GTM-IP specification.
- Bit 15:12 **MINOR:** minor version number
Define minor version number of GTM-IP specification.
- Bit 19:16 **MAJOR:** major version number
Define major version number of GTM-IP specification.
- Bit 23:20 **DEV_CODE0:** Device encoding digit 0.
Device encoding digit 0.
- Bit 27:24 **DEV_CODE1:** Device encoding digit 1.

Device encoding digit 1.
 Bit 31:28 **DEV_CODE2:** Device encoding digit 2.
 Device encoding digit 2.
 Note: The numbers are encoded in BCD. Values "A" - "F" are characters.
 Note: See device specific Appendix B [1] for reset value.

1.4 GTM Submodule Base Addresses

The following table lists all submodules of the GTM-IP_104 with its corresponding base addresses.

Table 1: Submodule Base Addresses

Submodule	Base address
GTM Global	0x00000000
BRIDGE	0x00000030
TBU	0x00000100
MON	0x00000180
CMP	0x00000200
ARU	0x00000280
CMU	0x00000300
ICM	0x00000600
SPE0	0x00000800
SPE1	0x00000880
SPE2	0x00000900
SPE3	0x00000980
MAP	0x00000F00
MCFG	0x00000F40
TIM0	0x00001000
TIM1	0x00001800
TIM2	0x00002000
TIM3	0x00002800
TIM4	0x00003000
TIM5	0x00003800
TOM0	0x00008000
TOM1	0x00008800
TOM2	0x00009000
TOM3	0x00009800
TOM4	0x0000A000
ATOM0	0x0000D000
ATOM1	0x0000D800

ATOM2	0x0000E000
ATOM3	0x0000E800
ATOM4	0x0000F000
ATOM5	0x0000F800
ATOM6	0x00010000
ATOM7	0x00010800
ATOM8	0x00011000
F2A0	0x00018000
AFD0	0x00018080
FIFO0	0x00018400
FIFO0_MEMORY	0x00019000
F2A1	0x0001C000
AFD1	0x0001C080
FIFO1	0x0001C400
FIFO1_MEMORY	0x0001D000
DPLL	0x00028000
DPLL_RAM1A	0x00028200
DPLL_RAM1BC	0x00028400
DPLL_RAM2	0x0002C000
MCS0	0x00030000
MCS0_MEMORY	0x00038000
MCS1	0x00031000
MCS1_MEMORY	0x00040000
MCS2	0x00032000
MCS2_MEMORY	0x00048000
MCS3	0x00033000
MCS3_MEMORY	0x00050000
MCS4	0x00034000
MCS4_MEMORY	0x00058000
MCS5	0x00035000
MCS5_MEMORY	0x00060000

1.5 GTM Register and Memory Addresses

The following table lists all internal used addresses of the GTM-IP_104.

Table 2: List of all internal used addresses

Address name	Address number
GTM_REV	0x00000000
GTM_RST	0x00000004
GTM_CTRL	0x00000008
GTM_AEI_ADDR_XPT	0x0000000C
GTM_IRQ_NOTIFY	0x00000010

Address name	Address number
GTM_IRQ_EN	0x00000014
GTM_IRQ_FORCINT	0x00000018
GTM_IRQ_MODE	0x0000001C
GTM_EIRQ_EN	0x00000020
GTM_BRIDGE_MODE	0x00000030
GTM_BRIDGE_PTR1	0x00000034
GTM_BRIDGE_PTR2	0x00000038
GTM_TIM0_AUX_IN_SRC	0x00000040
GTM_TIM1_AUX_IN_SRC	0x00000044
GTM_TIM2_AUX_IN_SRC	0x00000048
GTM_TIM3_AUX_IN_SRC	0x0000004C
GTM_TIM4_AUX_IN_SRC	0x00000050
GTM_TIM5_AUX_IN_SRC	0x00000054
SVM_RESERVED0	0x000000C0
SVM_RESERVED1	0x000000C4
SVM_RESERVED2	0x000000C8
SVM_RESERVED3	0x000000CC
SVM_RESERVED4	0x000000D0
SVM_RESERVED5	0x000000D4
SVM_RESERVED6	0x000000D8
SVM_RESERVED7	0x000000DC
SVM_RESERVED8	0x000000E0
SVM_RESERVED9	0x000000E4
SVM_RESERVED10	0x000000E8
SVM_RESERVED11	0x000000EC
SVM_RESERVED12	0x000000F0
SVM_RESERVED13	0x000000F4
SVM_RESERVED14	0x000000F8
SVM_RESERVED15	0x000000FC
TBU_CHEN	0x00000100
TBU_CH0_CTRL	0x00000104
TBU_CH0_BASE	0x00000108
TBU_CH1_CTRL	0x0000010C
TBU_CH1_BASE	0x00000110
TBU_CH2_CTRL	0x00000114
TBU_CH2_BASE	0x00000118
MON_STATUS	0x00000180
MON_ACTIVITY_0	0x00000184

Address name	Address number
MON_ACTIVITY_1	0x00000188
CMP_EN	0x00000200
CMP_IRQ_NOTIFY	0x00000204
CMP_IRQ_EN	0x00000208
CMP_IRQ_FORCINT	0x0000020C
CMP_IRQ_MODE	0x00000210
CMP_EIRQ_EN	0x00000214
ARU_ACCESS	0x00000280
ARU_DATA_H	0x00000284
ARU_DATA_L	0x00000288
ARU_DBG_ACCESS0	0x0000028C
ARU_DBG_DATA0_H	0x00000290
ARU_DBG_DATA0_L	0x00000294
ARU_DBG_ACCESS1	0x00000298
ARU_DBG_DATA1_H	0x0000029C
ARU_DBG_DATA1_L	0x000002A0
ARU_IRQ_NOTIFY	0x000002A4
ARU_IRQ_EN	0x000002A8
ARU_IRQ_FORCINT	0x000002AC
ARU_IRQ_MODE	0x000002B0
CMU_CLK_EN	0x00000300
CMU_GCLK_NUM	0x00000304
CMU_GCLK_DEN	0x00000308
CMU_CLK_0_CTRL	0x0000030C
CMU_CLK_1_CTRL	0x00000310
CMU_CLK_2_CTRL	0x00000314
CMU_CLK_3_CTRL	0x00000318
CMU_CLK_4_CTRL	0x0000031C
CMU_CLK_5_CTRL	0x00000320
CMU_CLK_6_CTRL	0x00000324
CMU_CLK_7_CTRL	0x00000328
CMU_ECLK_0_NUM	0x0000032C
CMU_ECLK_0_DEN	0x00000330
CMU_ECLK_1_NUM	0x00000334
CMU_ECLK_1_DEN	0x00000338
CMU_ECLK_2_NUM	0x0000033C
CMU_ECLK_2_DEN	0x00000340
CMU_FXCLK_CTRL	0x00000344

Address name	Address number
BRC_SRC_0_ADDR	0x00000400
BRC_SRC_0_DEST	0x00000404
BRC_SRC_1_ADDR	0x00000408
BRC_SRC_1_DEST	0x0000040C
BRC_SRC_2_ADDR	0x00000410
BRC_SRC_2_DEST	0x00000414
BRC_SRC_3_ADDR	0x00000418
BRC_SRC_3_DEST	0x0000041C
BRC_SRC_4_ADDR	0x00000420
BRC_SRC_4_DEST	0x00000424
BRC_SRC_5_ADDR	0x00000428
BRC_SRC_5_DEST	0x0000042C
BRC_SRC_6_ADDR	0x00000430
BRC_SRC_6_DEST	0x00000434
BRC_SRC_7_ADDR	0x00000438
BRC_SRC_7_DEST	0x0000043C
BRC_SRC_8_ADDR	0x00000440
BRC_SRC_8_DEST	0x00000444
BRC_SRC_9_ADDR	0x00000448
BRC_SRC_9_DEST	0x0000044C
BRC_SRC_10_ADDR	0x00000450
BRC_SRC_10_DEST	0x00000454
BRC_SRC_11_ADDR	0x00000458
BRC_SRC_11_DEST	0x0000045C
BRC_IRQ_NOTIFY	0x00000460
BRC_IRQ_EN	0x00000464
BRC_IRQ_FORCINT	0x00000468
BRC_IRQ_MODE	0x0000046C
BRC_RST	0x00000470
BRC_EIRQ_EN	0x00000474
ICM_IRQG_0	0x00000600
ICM_IRQG_1	0x00000604
ICM_IRQG_2	0x00000608
ICM_IRQG_3	0x0000060C
ICM_IRQG_4	0x00000610
ICM_IRQG_5	0x00000614
ICM_IRQG_6	0x00000618
ICM_IRQG_7	0x0000061C

Address name	Address number
ICM_IRQG_8	0x00000620
ICM_IRQG_9	0x00000624
ICM_IRQG_10	0x00000628
ICM_IRQG_11	0x0000062C
ICM_IRQG_MEI	0x00000630
ICM_IRQG_CEI0	0x00000634
ICM_IRQG_CEI1	0x00000638
ICM_IRQG_CEI2	0x0000063C
ICM_IRQG_CEI3	0x00000640
ICM_IRQG_CEI4	0x00000644
SPE0_CTRL_STAT	0x00000800
SPE0_PAT	0x00000804
SPE0_OUT_PAT0	0x00000808
SPE0_OUT_PAT1	0x0000080C
SPE0_OUT_PAT2	0x00000810
SPE0_OUT_PAT3	0x00000814
SPE0_OUT_PAT4	0x00000818
SPE0_OUT_PAT5	0x0000081C
SPE0_OUT_PAT6	0x00000820
SPE0_OUT_PAT7	0x00000824
SPE0_OUT_CTRL	0x00000828
SPE0_IRQ_NOTIFY	0x0000082C
SPE0_IRQ_EN	0x00000830
SPE0_IRQ_FORCINT	0x00000834
SPE0_IRQ_MODE	0x00000838
SPE0_EIRQ_EN	0x0000083C
SPE0_REV_CNT	0x00000840
SPE0_REV_CMP	0x00000844
SPE1_CTRL_STAT	0x00000880
SPE1_PAT	0x00000884
SPE1_OUT_PAT0	0x00000888
SPE1_OUT_PAT1	0x0000088C
SPE1_OUT_PAT2	0x00000890
SPE1_OUT_PAT3	0x00000894
SPE1_OUT_PAT4	0x00000898
SPE1_OUT_PAT5	0x0000089C
SPE1_OUT_PAT6	0x000008A0
SPE1_OUT_PAT7	0x000008A4

Address name	Address number
SPE1_OUT_CTRL	0x000008A8
SPE1_IRQ_NOTIFY	0x000008AC
SPE1_IRQ_EN	0x000008B0
SPE1_IRQ_FORCINT	0x000008B4
SPE1_IRQ_MODE	0x000008B8
SPE1_EIRQ_EN	0x000008BC
SPE1_REV_CNT	0x000008C0
SPE1_REV_CMP	0x000008C4
SPE2_CTRL_STAT	0x00000900
SPE2_PAT	0x00000904
SPE2_OUT_PAT0	0x00000908
SPE2_OUT_PAT1	0x0000090C
SPE2_OUT_PAT2	0x00000910
SPE2_OUT_PAT3	0x00000914
SPE2_OUT_PAT4	0x00000918
SPE2_OUT_PAT5	0x0000091C
SPE2_OUT_PAT6	0x00000920
SPE2_OUT_PAT7	0x00000924
SPE2_OUT_CTRL	0x00000928
SPE2_IRQ_NOTIFY	0x0000092C
SPE2_IRQ_EN	0x00000930
SPE2_IRQ_FORCINT	0x00000934
SPE2_IRQ_MODE	0x00000938
SPE2_EIRQ_EN	0x0000093C
SPE2_REV_CNT	0x00000940
SPE2_REV_CMP	0x00000944
SPE3_CTRL_STAT	0x00000980
SPE3_PAT	0x00000984
SPE3_OUT_PAT0	0x00000988
SPE3_OUT_PAT1	0x0000098C
SPE3_OUT_PAT2	0x00000990
SPE3_OUT_PAT3	0x00000994
SPE3_OUT_PAT4	0x00000998
SPE3_OUT_PAT5	0x0000099C
SPE3_OUT_PAT6	0x000009A0
SPE3_OUT_PAT7	0x000009A4
SPE3_OUT_CTRL	0x000009A8
SPE3_IRQ_NOTIFY	0x000009AC

Address name	Address number
SPE3_IRQ_EN	0x000009B0
SPE3_IRQ_FORCINT	0x000009B4
SPE3_IRQ_MODE	0x000009B8
SPE3_EIRQ_EN	0x000009BC
SPE3_REV_CNT	0x000009C0
SPE3_REV_CMP	0x000009C4
MAP_CTRL	0x00000F00
MCFG_CTRL	0x00000F40
TIM0_CH0_GPR0	0x00001000
TIM0_CH0_GPR1	0x00001004
TIM0_CH0_CNT	0x00001008
TIM0_CH0_ECNT	0x0000100C
TIM0_CH0_CNTS	0x00001010
TIM0_CH0_TDUC	0x00001014
TIM0_CH0_TDUV	0x00001018
TIM0_CH0_FLT_RE	0x0000101C
TIM0_CH0_FLT_FE	0x00001020
TIM0_CH0_CTRL	0x00001024
TIM0_CH0_ECTRL	0x00001028
TIM0_CH0_IRQ_NOTIFY	0x0000102C
TIM0_CH0_IRQ_EN	0x00001030
TIM0_CH0_IRQ_FORCINT	0x00001034
TIM0_CH0_IRQ_MODE	0x00001038
TIM0_CH0_EIRQ_EN	0x0000103C
TIM0_IN_SRC	0x00001078
TIM0_RST	0x0000107C
TIM0_CH1_GPR0	0x00001080
TIM0_CH1_GPR1	0x00001084
TIM0_CH1_CNT	0x00001088
TIM0_CH1_ECNT	0x0000108C
TIM0_CH1_CNTS	0x00001090
TIM0_CH1_TDUC	0x00001094
TIM0_CH1_TDUV	0x00001098
TIM0_CH1_FLT_RE	0x0000109C
TIM0_CH1_FLT_FE	0x000010A0
TIM0_CH1_CTRL	0x000010A4
TIM0_CH1_ECTRL	0x000010A8
TIM0_CH1_IRQ_NOTIFY	0x000010AC

Address name	Address number
TIM0_CH1_IRQ_EN	0x000010B0
TIM0_CH1_IRQ_FORCINT	0x000010B4
TIM0_CH1_IRQ_MODE	0x000010B8
TIM0_CH1_EIRQ_EN	0x000010BC
TIM0_CH2_GPR0	0x00001100
TIM0_CH2_GPR1	0x00001104
TIM0_CH2_CNT	0x00001108
TIM0_CH2_ECNT	0x0000110C
TIM0_CH2_CNTS	0x00001110
TIM0_CH2_TDUC	0x00001114
TIM0_CH2_TDUV	0x00001118
TIM0_CH2_FLT_RE	0x0000111C
TIM0_CH2_FLT_FE	0x00001120
TIM0_CH2_CTRL	0x00001124
TIM0_CH2_ECTRL	0x00001128
TIM0_CH2_IRQ_NOTIFY	0x0000112C
TIM0_CH2_IRQ_EN	0x00001130
TIM0_CH2_IRQ_FORCINT	0x00001134
TIM0_CH2_IRQ_MODE	0x00001138
TIM0_CH2_EIRQ_EN	0x0000113C
TIM0_CH3_GPR0	0x00001180
TIM0_CH3_GPR1	0x00001184
TIM0_CH3_CNT	0x00001188
TIM0_CH3_ECNT	0x0000118C
TIM0_CH3_CNTS	0x00001190
TIM0_CH3_TDUC	0x00001194
TIM0_CH3_TDUV	0x00001198
TIM0_CH3_FLT_RE	0x0000119C
TIM0_CH3_FLT_FE	0x000011A0
TIM0_CH3_CTRL	0x000011A4
TIM0_CH3_ECTRL	0x000011A8
TIM0_CH3_IRQ_NOTIFY	0x000011AC
TIM0_CH3_IRQ_EN	0x000011B0
TIM0_CH3_IRQ_FORCINT	0x000011B4
TIM0_CH3_IRQ_MODE	0x000011B8
TIM0_CH3_EIRQ_EN	0x000011BC
TIM0_CH4_GPR0	0x00001200
TIM0_CH4_GPR1	0x00001204

Address name	Address number
TIM0_CH4_CNT	0x00001208
TIM0_CH4_ECNT	0x0000120C
TIM0_CH4_CNTS	0x00001210
TIM0_CH4_TDUC	0x00001214
TIM0_CH4_TDUV	0x00001218
TIM0_CH4_FLT_RE	0x0000121C
TIM0_CH4_FLT_FE	0x00001220
TIM0_CH4_CTRL	0x00001224
TIM0_CH4_ECTRL	0x00001228
TIM0_CH4_IRQ_NOTIFY	0x0000122C
TIM0_CH4_IRQ_EN	0x00001230
TIM0_CH4_IRQ_FORCINT	0x00001234
TIM0_CH4_IRQ_MODE	0x00001238
TIM0_CH4_EIRQ_EN	0x0000123C
TIM0_CH5_GPR0	0x00001280
TIM0_CH5_GPR1	0x00001284
TIM0_CH5_CNT	0x00001288
TIM0_CH5_ECNT	0x0000128C
TIM0_CH5_CNTS	0x00001290
TIM0_CH5_TDUC	0x00001294
TIM0_CH5_TDUV	0x00001298
TIM0_CH5_FLT_RE	0x0000129C
TIM0_CH5_FLT_FE	0x000012A0
TIM0_CH5_CTRL	0x000012A4
TIM0_CH5_ECTRL	0x000012A8
TIM0_CH5_IRQ_NOTIFY	0x000012AC
TIM0_CH5_IRQ_EN	0x000012B0
TIM0_CH5_IRQ_FORCINT	0x000012B4
TIM0_CH5_IRQ_MODE	0x000012B8
TIM0_CH5_EIRQ_EN	0x000012BC
TIM0_CH6_GPR0	0x00001300
TIM0_CH6_GPR1	0x00001304
TIM0_CH6_CNT	0x00001308
TIM0_CH6_ECNT	0x0000130C
TIM0_CH6_CNTS	0x00001310
TIM0_CH6_TDUC	0x00001314
TIM0_CH6_TDUV	0x00001318
TIM0_CH6_FLT_RE	0x0000131C

Address name	Address number
TIM0_CH6_FLT_FE	0x00001320
TIM0_CH6_CTRL	0x00001324
TIM0_CH6_ECTRL	0x00001328
TIM0_CH6_IRQ_NOTIFY	0x0000132C
TIM0_CH6_IRQ_EN	0x00001330
TIM0_CH6_IRQ_FORCINT	0x00001334
TIM0_CH6_IRQ_MODE	0x00001338
TIM0_CH6_EIRQ_EN	0x0000133C
TIM0_CH7_GPR0	0x00001380
TIM0_CH7_GPR1	0x00001384
TIM0_CH7_CNT	0x00001388
TIM0_CH7_ECNT	0x0000138C
TIM0_CH7_CNTS	0x00001390
TIM0_CH7_TDUC	0x00001394
TIM0_CH7_TDUV	0x00001398
TIM0_CH7_FLT_RE	0x0000139C
TIM0_CH7_FLT_FE	0x000013A0
TIM0_CH7_CTRL	0x000013A4
TIM0_CH7_ECTRL	0x000013A8
TIM0_CH7_IRQ_NOTIFY	0x000013AC
TIM0_CH7_IRQ_EN	0x000013B0
TIM0_CH7_IRQ_FORCINT	0x000013B4
TIM0_CH7_IRQ_MODE	0x000013B8
TIM0_CH7_EIRQ_EN	0x000013BC
TIM1_CH0_GPR0	0x00001800
TIM1_CH0_GPR1	0x00001804
TIM1_CH0_CNT	0x00001808
TIM1_CH0_ECNT	0x0000180C
TIM1_CH0_CNTS	0x00001810
TIM1_CH0_TDUC	0x00001814
TIM1_CH0_TDUV	0x00001818
TIM1_CH0_FLT_RE	0x0000181C
TIM1_CH0_FLT_FE	0x00001820
TIM1_CH0_CTRL	0x00001824
TIM1_CH0_ECTRL	0x00001828
TIM1_CH0_IRQ_NOTIFY	0x0000182C
TIM1_CH0_IRQ_EN	0x00001830
TIM1_CH0_IRQ_FORCINT	0x00001834

Address name	Address number
TIM1_CH0_IRQ_MODE	0x00001838
TIM1_CH0_EIRQ_EN	0x0000183C
TIM1_IN_SRC	0x00001878
TIM1_RST	0x0000187C
TIM1_CH1_GPR0	0x00001880
TIM1_CH1_GPR1	0x00001884
TIM1_CH1_CNT	0x00001888
TIM1_CH1_ECNT	0x0000188C
TIM1_CH1_CNTS	0x00001890
TIM1_CH1_TDUC	0x00001894
TIM1_CH1_TDUV	0x00001898
TIM1_CH1_FLT_RE	0x0000189C
TIM1_CH1_FLT_FE	0x000018A0
TIM1_CH1_CTRL	0x000018A4
TIM1_CH1_ECTRL	0x000018A8
TIM1_CH1_IRQ_NOTIFY	0x000018AC
TIM1_CH1_IRQ_EN	0x000018B0
TIM1_CH1_IRQ_FORCINT	0x000018B4
TIM1_CH1_IRQ_MODE	0x000018B8
TIM1_CH1_EIRQ_EN	0x000018BC
TIM1_CH2_GPR0	0x00001900
TIM1_CH2_GPR1	0x00001904
TIM1_CH2_CNT	0x00001908
TIM1_CH2_ECNT	0x0000190C
TIM1_CH2_CNTS	0x00001910
TIM1_CH2_TDUC	0x00001914
TIM1_CH2_TDUV	0x00001918
TIM1_CH2_FLT_RE	0x0000191C
TIM1_CH2_FLT_FE	0x00001920
TIM1_CH2_CTRL	0x00001924
TIM1_CH2_ECTRL	0x00001928
TIM1_CH2_IRQ_NOTIFY	0x0000192C
TIM1_CH2_IRQ_EN	0x00001930
TIM1_CH2_IRQ_FORCINT	0x00001934
TIM1_CH2_IRQ_MODE	0x00001938
TIM1_CH2_EIRQ_EN	0x0000193C
TIM1_CH3_GPR0	0x00001980
TIM1_CH3_GPR1	0x00001984

Address name	Address number
TIM1_CH3_CNT	0x00001988
TIM1_CH3_ECNT	0x0000198C
TIM1_CH3_CNTS	0x00001990
TIM1_CH3_TDUC	0x00001994
TIM1_CH3_TDUV	0x00001998
TIM1_CH3_FLT_RE	0x0000199C
TIM1_CH3_FLT_FE	0x000019A0
TIM1_CH3_CTRL	0x000019A4
TIM1_CH3_ECTRL	0x000019A8
TIM1_CH3_IRQ_NOTIFY	0x000019AC
TIM1_CH3_IRQ_EN	0x000019B0
TIM1_CH3_IRQ_FORCINT	0x000019B4
TIM1_CH3_IRQ_MODE	0x000019B8
TIM1_CH3_EIRQ_EN	0x000019BC
TIM1_CH4_GPR0	0x00001A00
TIM1_CH4_GPR1	0x00001A04
TIM1_CH4_CNT	0x00001A08
TIM1_CH4_ECNT	0x00001A0C
TIM1_CH4_CNTS	0x00001A10
TIM1_CH4_TDUC	0x00001A14
TIM1_CH4_TDUV	0x00001A18
TIM1_CH4_FLT_RE	0x00001A1C
TIM1_CH4_FLT_FE	0x00001A20
TIM1_CH4_CTRL	0x00001A24
TIM1_CH4_ECTRL	0x00001A28
TIM1_CH4_IRQ_NOTIFY	0x00001A2C
TIM1_CH4_IRQ_EN	0x00001A30
TIM1_CH4_IRQ_FORCINT	0x00001A34
TIM1_CH4_IRQ_MODE	0x00001A38
TIM1_CH4_EIRQ_EN	0x00001A3C
TIM1_CH5_GPR0	0x00001A80
TIM1_CH5_GPR1	0x00001A84
TIM1_CH5_CNT	0x00001A88
TIM1_CH5_ECNT	0x00001A8C
TIM1_CH5_CNTS	0x00001A90
TIM1_CH5_TDUC	0x00001A94
TIM1_CH5_TDUV	0x00001A98
TIM1_CH5_FLT_RE	0x00001A9C

Address name	Address number
TIM1_CH5_FLT_FE	0x00001AA0
TIM1_CH5_CTRL	0x00001AA4
TIM1_CH5_ECTRL	0x00001AA8
TIM1_CH5_IRQ_NOTIFY	0x00001AAC
TIM1_CH5_IRQ_EN	0x00001AB0
TIM1_CH5_IRQ_FORCINT	0x00001AB4
TIM1_CH5_IRQ_MODE	0x00001AB8
TIM1_CH5_EIRQ_EN	0x00001ABC
TIM1_CH6_GPR0	0x00001B00
TIM1_CH6_GPR1	0x00001B04
TIM1_CH6_CNT	0x00001B08
TIM1_CH6_ECNT	0x00001B0C
TIM1_CH6_CNTS	0x00001B10
TIM1_CH6_TDUC	0x00001B14
TIM1_CH6_TDUV	0x00001B18
TIM1_CH6_FLT_RE	0x00001B1C
TIM1_CH6_FLT_FE	0x00001B20
TIM1_CH6_CTRL	0x00001B24
TIM1_CH6_ECTRL	0x00001B28
TIM1_CH6_IRQ_NOTIFY	0x00001B2C
TIM1_CH6_IRQ_EN	0x00001B30
TIM1_CH6_IRQ_FORCINT	0x00001B34
TIM1_CH6_IRQ_MODE	0x00001B38
TIM1_CH6_EIRQ_EN	0x00001B3C
TIM1_CH7_GPR0	0x00001B80
TIM1_CH7_GPR1	0x00001B84
TIM1_CH7_CNT	0x00001B88
TIM1_CH7_ECNT	0x00001B8C
TIM1_CH7_CNTS	0x00001B90
TIM1_CH7_TDUC	0x00001B94
TIM1_CH7_TDUV	0x00001B98
TIM1_CH7_FLT_RE	0x00001B9C
TIM1_CH7_FLT_FE	0x00001BA0
TIM1_CH7_CTRL	0x00001BA4
TIM1_CH7_ECTRL	0x00001BA8
TIM1_CH7_IRQ_NOTIFY	0x00001BAC
TIM1_CH7_IRQ_EN	0x00001BB0
TIM1_CH7_IRQ_FORCINT	0x00001BB4

Address name	Address number
TIM1_CH7_IRQ_MODE	0x00001BB8
TIM1_CH7_EIRQ_EN	0x00001BBC
TIM2_CH0_GPR0	0x00002000
TIM2_CH0_GPR1	0x00002004
TIM2_CH0_CNT	0x00002008
TIM2_CH0_ECNT	0x0000200C
TIM2_CH0_CNTS	0x00002010
TIM2_CH0_TDUC	0x00002014
TIM2_CH0_TDUV	0x00002018
TIM2_CH0_FLT_RE	0x0000201C
TIM2_CH0_FLT_FE	0x00002020
TIM2_CH0_CTRL	0x00002024
TIM2_CH0_ECTRL	0x00002028
TIM2_CH0_IRQ_NOTIFY	0x0000202C
TIM2_CH0_IRQ_EN	0x00002030
TIM2_CH0_IRQ_FORCINT	0x00002034
TIM2_CH0_IRQ_MODE	0x00002038
TIM2_CH0_EIRQ_EN	0x0000203C
TIM2_IN_SRC	0x00002078
TIM2_RST	0x0000207C
TIM2_CH1_GPR0	0x00002080
TIM2_CH1_GPR1	0x00002084
TIM2_CH1_CNT	0x00002088
TIM2_CH1_ECNT	0x0000208C
TIM2_CH1_CNTS	0x00002090
TIM2_CH1_TDUC	0x00002094
TIM2_CH1_TDUV	0x00002098
TIM2_CH1_FLT_RE	0x0000209C
TIM2_CH1_FLT_FE	0x000020A0
TIM2_CH1_CTRL	0x000020A4
TIM2_CH1_ECTRL	0x000020A8
TIM2_CH1_IRQ_NOTIFY	0x000020AC
TIM2_CH1_IRQ_EN	0x000020B0
TIM2_CH1_IRQ_FORCINT	0x000020B4
TIM2_CH1_IRQ_MODE	0x000020B8
TIM2_CH1_EIRQ_EN	0x000020BC
TIM2_CH2_GPR0	0x00002100
TIM2_CH2_GPR1	0x00002104

Address name	Address number
TIM2_CH2_CNT	0x00002108
TIM2_CH2_ECNT	0x0000210C
TIM2_CH2_CNTS	0x00002110
TIM2_CH2_TDUC	0x00002114
TIM2_CH2_TDUV	0x00002118
TIM2_CH2_FLT_RE	0x0000211C
TIM2_CH2_FLT_FE	0x00002120
TIM2_CH2_CTRL	0x00002124
TIM2_CH2_ECTRL	0x00002128
TIM2_CH2_IRQ_NOTIFY	0x0000212C
TIM2_CH2_IRQ_EN	0x00002130
TIM2_CH2_IRQ_FORCINT	0x00002134
TIM2_CH2_IRQ_MODE	0x00002138
TIM2_CH2_EIRQ_EN	0x0000213C
TIM2_CH3_GPR0	0x00002180
TIM2_CH3_GPR1	0x00002184
TIM2_CH3_CNT	0x00002188
TIM2_CH3_ECNT	0x0000218C
TIM2_CH3_CNTS	0x00002190
TIM2_CH3_TDUC	0x00002194
TIM2_CH3_TDUV	0x00002198
TIM2_CH3_FLT_RE	0x0000219C
TIM2_CH3_FLT_FE	0x000021A0
TIM2_CH3_CTRL	0x000021A4
TIM2_CH3_ECTRL	0x000021A8
TIM2_CH3_IRQ_NOTIFY	0x000021AC
TIM2_CH3_IRQ_EN	0x000021B0
TIM2_CH3_IRQ_FORCINT	0x000021B4
TIM2_CH3_IRQ_MODE	0x000021B8
TIM2_CH3_EIRQ_EN	0x000021BC
TIM2_CH4_GPR0	0x00002200
TIM2_CH4_GPR1	0x00002204
TIM2_CH4_CNT	0x00002208
TIM2_CH4_ECNT	0x0000220C
TIM2_CH4_CNTS	0x00002210
TIM2_CH4_TDUC	0x00002214
TIM2_CH4_TDUV	0x00002218
TIM2_CH4_FLT_RE	0x0000221C

Address name	Address number
TIM2_CH4_FLT_FE	0x00002220
TIM2_CH4_CTRL	0x00002224
TIM2_CH4_ECTRL	0x00002228
TIM2_CH4_IRQ_NOTIFY	0x0000222C
TIM2_CH4_IRQ_EN	0x00002230
TIM2_CH4_IRQ_FORCINT	0x00002234
TIM2_CH4_IRQ_MODE	0x00002238
TIM2_CH4_EIRQ_EN	0x0000223C
TIM2_CH5_GPR0	0x00002280
TIM2_CH5_GPR1	0x00002284
TIM2_CH5_CNT	0x00002288
TIM2_CH5_ECNT	0x0000228C
TIM2_CH5_CNTS	0x00002290
TIM2_CH5_TDUC	0x00002294
TIM2_CH5_TDUV	0x00002298
TIM2_CH5_FLT_RE	0x0000229C
TIM2_CH5_FLT_FE	0x000022A0
TIM2_CH5_CTRL	0x000022A4
TIM2_CH5_ECTRL	0x000022A8
TIM2_CH5_IRQ_NOTIFY	0x000022AC
TIM2_CH5_IRQ_EN	0x000022B0
TIM2_CH5_IRQ_FORCINT	0x000022B4
TIM2_CH5_IRQ_MODE	0x000022B8
TIM2_CH5_EIRQ_EN	0x000022BC
TIM2_CH6_GPR0	0x00002300
TIM2_CH6_GPR1	0x00002304
TIM2_CH6_CNT	0x00002308
TIM2_CH6_ECNT	0x0000230C
TIM2_CH6_CNTS	0x00002310
TIM2_CH6_TDUC	0x00002314
TIM2_CH6_TDUV	0x00002318
TIM2_CH6_FLT_RE	0x0000231C
TIM2_CH6_FLT_FE	0x00002320
TIM2_CH6_CTRL	0x00002324
TIM2_CH6_ECTRL	0x00002328
TIM2_CH6_IRQ_NOTIFY	0x0000232C
TIM2_CH6_IRQ_EN	0x00002330
TIM2_CH6_IRQ_FORCINT	0x00002334

Address name	Address number
TIM2_CH6_IRQ_MODE	0x00002338
TIM2_CH6_EIRQ_EN	0x0000233C
TIM2_CH7_GPR0	0x00002380
TIM2_CH7_GPR1	0x00002384
TIM2_CH7_CNT	0x00002388
TIM2_CH7_ECNT	0x0000238C
TIM2_CH7_CNTS	0x00002390
TIM2_CH7_TDUC	0x00002394
TIM2_CH7_TDUV	0x00002398
TIM2_CH7_FLT_RE	0x0000239C
TIM2_CH7_FLT_FE	0x000023A0
TIM2_CH7_CTRL	0x000023A4
TIM2_CH7_ECTRL	0x000023A8
TIM2_CH7_IRQ_NOTIFY	0x000023AC
TIM2_CH7_IRQ_EN	0x000023B0
TIM2_CH7_IRQ_FORCINT	0x000023B4
TIM2_CH7_IRQ_MODE	0x000023B8
TIM2_CH7_EIRQ_EN	0x000023BC
TIM3_CH0_GPR0	0x00002800
TIM3_CH0_GPR1	0x00002804
TIM3_CH0_CNT	0x00002808
TIM3_CH0_ECNT	0x0000280C
TIM3_CH0_CNTS	0x00002810
TIM3_CH0_TDUC	0x00002814
TIM3_CH0_TDUV	0x00002818
TIM3_CH0_FLT_RE	0x0000281C
TIM3_CH0_FLT_FE	0x00002820
TIM3_CH0_CTRL	0x00002824
TIM3_CH0_ECTRL	0x00002828
TIM3_CH0_IRQ_NOTIFY	0x0000282C
TIM3_CH0_IRQ_EN	0x00002830
TIM3_CH0_IRQ_FORCINT	0x00002834
TIM3_CH0_IRQ_MODE	0x00002838
TIM3_CH0_EIRQ_EN	0x0000283C
TIM3_IN_SRC	0x00002878
TIM3_RST	0x0000287C
TIM3_CH1_GPR0	0x00002880
TIM3_CH1_GPR1	0x00002884

Address name	Address number
TIM3_CH1_CNT	0x00002888
TIM3_CH1_ECNT	0x0000288C
TIM3_CH1_CNTS	0x00002890
TIM3_CH1_TDUC	0x00002894
TIM3_CH1_TDUV	0x00002898
TIM3_CH1_FLT_RE	0x0000289C
TIM3_CH1_FLT_FE	0x000028A0
TIM3_CH1_CTRL	0x000028A4
TIM3_CH1_ECTRL	0x000028A8
TIM3_CH1_IRQ_NOTIFY	0x000028AC
TIM3_CH1_IRQ_EN	0x000028B0
TIM3_CH1_IRQ_FORCINT	0x000028B4
TIM3_CH1_IRQ_MODE	0x000028B8
TIM3_CH1_EIRQ_EN	0x000028BC
TIM3_CH2_GPR0	0x00002900
TIM3_CH2_GPR1	0x00002904
TIM3_CH2_CNT	0x00002908
TIM3_CH2_ECNT	0x0000290C
TIM3_CH2_CNTS	0x00002910
TIM3_CH2_TDUC	0x00002914
TIM3_CH2_TDUV	0x00002918
TIM3_CH2_FLT_RE	0x0000291C
TIM3_CH2_FLT_FE	0x00002920
TIM3_CH2_CTRL	0x00002924
TIM3_CH2_ECTRL	0x00002928
TIM3_CH2_IRQ_NOTIFY	0x0000292C
TIM3_CH2_IRQ_EN	0x00002930
TIM3_CH2_IRQ_FORCINT	0x00002934
TIM3_CH2_IRQ_MODE	0x00002938
TIM3_CH2_EIRQ_EN	0x0000293C
TIM3_CH3_GPR0	0x00002980
TIM3_CH3_GPR1	0x00002984
TIM3_CH3_CNT	0x00002988
TIM3_CH3_ECNT	0x0000298C
TIM3_CH3_CNTS	0x00002990
TIM3_CH3_TDUC	0x00002994
TIM3_CH3_TDUV	0x00002998
TIM3_CH3_FLT_RE	0x0000299C

Address name	Address number
TIM3_CH3_FLT_FE	0x000029A0
TIM3_CH3_CTRL	0x000029A4
TIM3_CH3_ECTRL	0x000029A8
TIM3_CH3_IRQ_NOTIFY	0x000029AC
TIM3_CH3_IRQ_EN	0x000029B0
TIM3_CH3_IRQ_FORCINT	0x000029B4
TIM3_CH3_IRQ_MODE	0x000029B8
TIM3_CH3_EIRQ_EN	0x000029BC
TIM3_CH4_GPR0	0x00002A00
TIM3_CH4_GPR1	0x00002A04
TIM3_CH4_CNT	0x00002A08
TIM3_CH4_ECNT	0x00002A0C
TIM3_CH4_CNTS	0x00002A10
TIM3_CH4_TDUC	0x00002A14
TIM3_CH4_TDUV	0x00002A18
TIM3_CH4_FLT_RE	0x00002A1C
TIM3_CH4_FLT_FE	0x00002A20
TIM3_CH4_CTRL	0x00002A24
TIM3_CH4_ECTRL	0x00002A28
TIM3_CH4_IRQ_NOTIFY	0x00002A2C
TIM3_CH4_IRQ_EN	0x00002A30
TIM3_CH4_IRQ_FORCINT	0x00002A34
TIM3_CH4_IRQ_MODE	0x00002A38
TIM3_CH4_EIRQ_EN	0x00002A3C
TIM3_CH5_GPR0	0x00002A80
TIM3_CH5_GPR1	0x00002A84
TIM3_CH5_CNT	0x00002A88
TIM3_CH5_ECNT	0x00002A8C
TIM3_CH5_CNTS	0x00002A90
TIM3_CH5_TDUC	0x00002A94
TIM3_CH5_TDUV	0x00002A98
TIM3_CH5_FLT_RE	0x00002A9C
TIM3_CH5_FLT_FE	0x00002AA0
TIM3_CH5_CTRL	0x00002AA4
TIM3_CH5_ECTRL	0x00002AA8
TIM3_CH5_IRQ_NOTIFY	0x00002AAC
TIM3_CH5_IRQ_EN	0x00002AB0
TIM3_CH5_IRQ_FORCINT	0x00002AB4

Address name	Address number
TIM3_CH5_IRQ_MODE	0x00002AB8
TIM3_CH5_EIRQ_EN	0x00002ABC
TIM3_CH6_GPR0	0x00002B00
TIM3_CH6_GPR1	0x00002B04
TIM3_CH6_CNT	0x00002B08
TIM3_CH6_ECNT	0x00002B0C
TIM3_CH6_CNTS	0x00002B10
TIM3_CH6_TDUC	0x00002B14
TIM3_CH6_TDUV	0x00002B18
TIM3_CH6_FLT_RE	0x00002B1C
TIM3_CH6_FLT_FE	0x00002B20
TIM3_CH6_CTRL	0x00002B24
TIM3_CH6_ECTRL	0x00002B28
TIM3_CH6_IRQ_NOTIFY	0x00002B2C
TIM3_CH6_IRQ_EN	0x00002B30
TIM3_CH6_IRQ_FORCINT	0x00002B34
TIM3_CH6_IRQ_MODE	0x00002B38
TIM3_CH6_EIRQ_EN	0x00002B3C
TIM3_CH7_GPR0	0x00002B80
TIM3_CH7_GPR1	0x00002B84
TIM3_CH7_CNT	0x00002B88
TIM3_CH7_ECNT	0x00002B8C
TIM3_CH7_CNTS	0x00002B90
TIM3_CH7_TDUC	0x00002B94
TIM3_CH7_TDUV	0x00002B98
TIM3_CH7_FLT_RE	0x00002B9C
TIM3_CH7_FLT_FE	0x00002BA0
TIM3_CH7_CTRL	0x00002BA4
TIM3_CH7_ECTRL	0x00002BA8
TIM3_CH7_IRQ_NOTIFY	0x00002BAC
TIM3_CH7_IRQ_EN	0x00002BB0
TIM3_CH7_IRQ_FORCINT	0x00002BB4
TIM3_CH7_IRQ_MODE	0x00002BB8
TIM3_CH7_EIRQ_EN	0x00002BBC
TIM4_CH0_GPR0	0x00003000
TIM4_CH0_GPR1	0x00003004
TIM4_CH0_CNT	0x00003008
TIM4_CH0_ECNT	0x0000300C

Address name	Address number
TIM4_CH0_CNTS	0x00003010
TIM4_CH0_TDUC	0x00003014
TIM4_CH0_TDUV	0x00003018
TIM4_CH0_FLT_RE	0x0000301C
TIM4_CH0_FLT_FE	0x00003020
TIM4_CH0_CTRL	0x00003024
TIM4_CH0_ECTRL	0x00003028
TIM4_CH0_IRQ_NOTIFY	0x0000302C
TIM4_CH0_IRQ_EN	0x00003030
TIM4_CH0_IRQ_FORCINT	0x00003034
TIM4_CH0_IRQ_MODE	0x00003038
TIM4_CH0_EIRQ_EN	0x0000303C
TIM4_IN_SRC	0x00003078
TIM4_RST	0x0000307C
TIM4_CH1_GPR0	0x00003080
TIM4_CH1_GPR1	0x00003084
TIM4_CH1_CNT	0x00003088
TIM4_CH1_ECNT	0x0000308C
TIM4_CH1_CNTS	0x00003090
TIM4_CH1_TDUC	0x00003094
TIM4_CH1_TDUV	0x00003098
TIM4_CH1_FLT_RE	0x0000309C
TIM4_CH1_FLT_FE	0x000030A0
TIM4_CH1_CTRL	0x000030A4
TIM4_CH1_ECTRL	0x000030A8
TIM4_CH1_IRQ_NOTIFY	0x000030AC
TIM4_CH1_IRQ_EN	0x000030B0
TIM4_CH1_IRQ_FORCINT	0x000030B4
TIM4_CH1_IRQ_MODE	0x000030B8
TIM4_CH1_EIRQ_EN	0x000030BC
TIM4_CH2_GPR0	0x00003100
TIM4_CH2_GPR1	0x00003104
TIM4_CH2_CNT	0x00003108
TIM4_CH2_ECNT	0x0000310C
TIM4_CH2_CNTS	0x00003110
TIM4_CH2_TDUC	0x00003114
TIM4_CH2_TDUV	0x00003118
TIM4_CH2_FLT_RE	0x0000311C

Address name	Address number
TIM4_CH2_FLT_FE	0x00003120
TIM4_CH2_CTRL	0x00003124
TIM4_CH2_ECTRL	0x00003128
TIM4_CH2_IRQ_NOTIFY	0x0000312C
TIM4_CH2_IRQ_EN	0x00003130
TIM4_CH2_IRQ_FORCINT	0x00003134
TIM4_CH2_IRQ_MODE	0x00003138
TIM4_CH2_EIRQ_EN	0x0000313C
TIM4_CH3_GPR0	0x00003180
TIM4_CH3_GPR1	0x00003184
TIM4_CH3_CNT	0x00003188
TIM4_CH3_ECNT	0x0000318C
TIM4_CH3_CNTS	0x00003190
TIM4_CH3_TDUC	0x00003194
TIM4_CH3_TDUV	0x00003198
TIM4_CH3_FLT_RE	0x0000319C
TIM4_CH3_FLT_FE	0x000031A0
TIM4_CH3_CTRL	0x000031A4
TIM4_CH3_ECTRL	0x000031A8
TIM4_CH3_IRQ_NOTIFY	0x000031AC
TIM4_CH3_IRQ_EN	0x000031B0
TIM4_CH3_IRQ_FORCINT	0x000031B4
TIM4_CH3_IRQ_MODE	0x000031B8
TIM4_CH3_EIRQ_EN	0x000031BC
TIM4_CH4_GPR0	0x00003200
TIM4_CH4_GPR1	0x00003204
TIM4_CH4_CNT	0x00003208
TIM4_CH4_ECNT	0x0000320C
TIM4_CH4_CNTS	0x00003210
TIM4_CH4_TDUC	0x00003214
TIM4_CH4_TDUV	0x00003218
TIM4_CH4_FLT_RE	0x0000321C
TIM4_CH4_FLT_FE	0x00003220
TIM4_CH4_CTRL	0x00003224
TIM4_CH4_ECTRL	0x00003228
TIM4_CH4_IRQ_NOTIFY	0x0000322C
TIM4_CH4_IRQ_EN	0x00003230
TIM4_CH4_IRQ_FORCINT	0x00003234

Address name	Address number
TIM4_CH4_IRQ_MODE	0x00003238
TIM4_CH4_EIRQ_EN	0x0000323C
TIM4_CH5_GPR0	0x00003280
TIM4_CH5_GPR1	0x00003284
TIM4_CH5_CNT	0x00003288
TIM4_CH5_ECNT	0x0000328C
TIM4_CH5_CNTS	0x00003290
TIM4_CH5_TDUC	0x00003294
TIM4_CH5_TDUV	0x00003298
TIM4_CH5_FLT_RE	0x0000329C
TIM4_CH5_FLT_FE	0x000032A0
TIM4_CH5_CTRL	0x000032A4
TIM4_CH5_ECTRL	0x000032A8
TIM4_CH5_IRQ_NOTIFY	0x000032AC
TIM4_CH5_IRQ_EN	0x000032B0
TIM4_CH5_IRQ_FORCINT	0x000032B4
TIM4_CH5_IRQ_MODE	0x000032B8
TIM4_CH5_EIRQ_EN	0x000032BC
TIM4_CH6_GPR0	0x00003300
TIM4_CH6_GPR1	0x00003304
TIM4_CH6_CNT	0x00003308
TIM4_CH6_ECNT	0x0000330C
TIM4_CH6_CNTS	0x00003310
TIM4_CH6_TDUC	0x00003314
TIM4_CH6_TDUV	0x00003318
TIM4_CH6_FLT_RE	0x0000331C
TIM4_CH6_FLT_FE	0x00003320
TIM4_CH6_CTRL	0x00003324
TIM4_CH6_ECTRL	0x00003328
TIM4_CH6_IRQ_NOTIFY	0x0000332C
TIM4_CH6_IRQ_EN	0x00003330
TIM4_CH6_IRQ_FORCINT	0x00003334
TIM4_CH6_IRQ_MODE	0x00003338
TIM4_CH6_EIRQ_EN	0x0000333C
TIM4_CH7_GPR0	0x00003380
TIM4_CH7_GPR1	0x00003384
TIM4_CH7_CNT	0x00003388
TIM4_CH7_ECNT	0x0000338C

Address name	Address number
TIM4_CH7_CNTS	0x00003390
TIM4_CH7_TDUC	0x00003394
TIM4_CH7_TDUV	0x00003398
TIM4_CH7_FLT_RE	0x0000339C
TIM4_CH7_FLT_FE	0x000033A0
TIM4_CH7_CTRL	0x000033A4
TIM4_CH7_ECTRL	0x000033A8
TIM4_CH7_IRQ_NOTIFY	0x000033AC
TIM4_CH7_IRQ_EN	0x000033B0
TIM4_CH7_IRQ_FORCINT	0x000033B4
TIM4_CH7_IRQ_MODE	0x000033B8
TIM4_CH7_EIRQ_EN	0x000033BC
TIM5_CH0_GPR0	0x00003800
TIM5_CH0_GPR1	0x00003804
TIM5_CH0_CNT	0x00003808
TIM5_CH0_ECNT	0x0000380C
TIM5_CH0_CNTS	0x00003810
TIM5_CH0_TDUC	0x00003814
TIM5_CH0_TDUV	0x00003818
TIM5_CH0_FLT_RE	0x0000381C
TIM5_CH0_FLT_FE	0x00003820
TIM5_CH0_CTRL	0x00003824
TIM5_CH0_ECTRL	0x00003828
TIM5_CH0_IRQ_NOTIFY	0x0000382C
TIM5_CH0_IRQ_EN	0x00003830
TIM5_CH0_IRQ_FORCINT	0x00003834
TIM5_CH0_IRQ_MODE	0x00003838
TIM5_CH0_EIRQ_EN	0x0000383C
TIM5_IN_SRC	0x00003878
TIM5_RST	0x0000387C
TIM5_CH1_GPR0	0x00003880
TIM5_CH1_GPR1	0x00003884
TIM5_CH1_CNT	0x00003888
TIM5_CH1_ECNT	0x0000388C
TIM5_CH1_CNTS	0x00003890
TIM5_CH1_TDUC	0x00003894
TIM5_CH1_TDUV	0x00003898
TIM5_CH1_FLT_RE	0x0000389C

Address name	Address number
TIM5_CH1_FLT_FE	0x000038A0
TIM5_CH1_CTRL	0x000038A4
TIM5_CH1_ECTRL	0x000038A8
TIM5_CH1_IRQ_NOTIFY	0x000038AC
TIM5_CH1_IRQ_EN	0x000038B0
TIM5_CH1_IRQ_FORCINT	0x000038B4
TIM5_CH1_IRQ_MODE	0x000038B8
TIM5_CH1_EIRQ_EN	0x000038BC
TIM5_CH2_GPR0	0x00003900
TIM5_CH2_GPR1	0x00003904
TIM5_CH2_CNT	0x00003908
TIM5_CH2_ECNT	0x0000390C
TIM5_CH2_CNTS	0x00003910
TIM5_CH2_TDUC	0x00003914
TIM5_CH2_TDUV	0x00003918
TIM5_CH2_FLT_RE	0x0000391C
TIM5_CH2_FLT_FE	0x00003920
TIM5_CH2_CTRL	0x00003924
TIM5_CH2_ECTRL	0x00003928
TIM5_CH2_IRQ_NOTIFY	0x0000392C
TIM5_CH2_IRQ_EN	0x00003930
TIM5_CH2_IRQ_FORCINT	0x00003934
TIM5_CH2_IRQ_MODE	0x00003938
TIM5_CH2_EIRQ_EN	0x0000393C
TIM5_CH3_GPR0	0x00003980
TIM5_CH3_GPR1	0x00003984
TIM5_CH3_CNT	0x00003988
TIM5_CH3_ECNT	0x0000398C
TIM5_CH3_CNTS	0x00003990
TIM5_CH3_TDUC	0x00003994
TIM5_CH3_TDUV	0x00003998
TIM5_CH3_FLT_RE	0x0000399C
TIM5_CH3_FLT_FE	0x000039A0
TIM5_CH3_CTRL	0x000039A4
TIM5_CH3_ECTRL	0x000039A8
TIM5_CH3_IRQ_NOTIFY	0x000039AC
TIM5_CH3_IRQ_EN	0x000039B0
TIM5_CH3_IRQ_FORCINT	0x000039B4

Address name	Address number
TIM5_CH3_IRQ_MODE	0x000039B8
TIM5_CH3_EIRQ_EN	0x000039BC
TIM5_CH4_GPR0	0x00003A00
TIM5_CH4_GPR1	0x00003A04
TIM5_CH4_CNT	0x00003A08
TIM5_CH4_ECNT	0x00003A0C
TIM5_CH4_CNTS	0x00003A10
TIM5_CH4_TDUC	0x00003A14
TIM5_CH4_TDUV	0x00003A18
TIM5_CH4_FLT_RE	0x00003A1C
TIM5_CH4_FLT_FE	0x00003A20
TIM5_CH4_CTRL	0x00003A24
TIM5_CH4_ECTRL	0x00003A28
TIM5_CH4_IRQ_NOTIFY	0x00003A2C
TIM5_CH4_IRQ_EN	0x00003A30
TIM5_CH4_IRQ_FORCINT	0x00003A34
TIM5_CH4_IRQ_MODE	0x00003A38
TIM5_CH4_EIRQ_EN	0x00003A3C
TIM5_CH5_GPR0	0x00003A80
TIM5_CH5_GPR1	0x00003A84
TIM5_CH5_CNT	0x00003A88
TIM5_CH5_ECNT	0x00003A8C
TIM5_CH5_CNTS	0x00003A90
TIM5_CH5_TDUC	0x00003A94
TIM5_CH5_TDUV	0x00003A98
TIM5_CH5_FLT_RE	0x00003A9C
TIM5_CH5_FLT_FE	0x00003AA0
TIM5_CH5_CTRL	0x00003AA4
TIM5_CH5_ECTRL	0x00003AA8
TIM5_CH5_IRQ_NOTIFY	0x00003AAC
TIM5_CH5_IRQ_EN	0x00003AB0
TIM5_CH5_IRQ_FORCINT	0x00003AB4
TIM5_CH5_IRQ_MODE	0x00003AB8
TIM5_CH5_EIRQ_EN	0x00003ABC
TIM5_CH6_GPR0	0x00003B00
TIM5_CH6_GPR1	0x00003B04
TIM5_CH6_CNT	0x00003B08
TIM5_CH6_ECNT	0x00003B0C

Address name	Address number
TIM5_CH6_CNTS	0x00003B10
TIM5_CH6_TDUC	0x00003B14
TIM5_CH6_TDUV	0x00003B18
TIM5_CH6_FLT_RE	0x00003B1C
TIM5_CH6_FLT_FE	0x00003B20
TIM5_CH6_CTRL	0x00003B24
TIM5_CH6_ECTRL	0x00003B28
TIM5_CH6_IRQ_NOTIFY	0x00003B2C
TIM5_CH6_IRQ_EN	0x00003B30
TIM5_CH6_IRQ_FORCINT	0x00003B34
TIM5_CH6_IRQ_MODE	0x00003B38
TIM5_CH6_EIRQ_EN	0x00003B3C
TIM5_CH7_GPR0	0x00003B80
TIM5_CH7_GPR1	0x00003B84
TIM5_CH7_CNT	0x00003B88
TIM5_CH7_ECNT	0x00003B8C
TIM5_CH7_CNTS	0x00003B90
TIM5_CH7_TDUC	0x00003B94
TIM5_CH7_TDUV	0x00003B98
TIM5_CH7_FLT_RE	0x00003B9C
TIM5_CH7_FLT_FE	0x00003BA0
TIM5_CH7_CTRL	0x00003BA4
TIM5_CH7_ECTRL	0x00003BA8
TIM5_CH7_IRQ_NOTIFY	0x00003BAC
TIM5_CH7_IRQ_EN	0x00003BB0
TIM5_CH7_IRQ_FORCINT	0x00003BB4
TIM5_CH7_IRQ_MODE	0x00003BB8
TIM5_CH7_EIRQ_EN	0x00003BBC
TOM0_CH0_CTRL	0x00008000
TOM0_CH0_SR0	0x00008004
TOM0_CH0_SR1	0x00008008
TOM0_CH0_CM0	0x0000800C
TOM0_CH0_CM1	0x00008010
TOM0_CH0_CN0	0x00008014
TOM0_CH0_STAT	0x00008018
TOM0_CH0_IRQ_NOTIFY	0x0000801C
TOM0_CH0_IRQ_EN	0x00008020
TOM0_CH0_IRQ_FORCINT	0x00008024

Address name	Address number
TOM0_CH0_IRQ_MODE	0x00008028
TOM0_TGC0_GLB_CTRL	0x00008030
TOM0_TGC0_ACT_TB	0x00008034
TOM0_TGC0_FUPD_CTRL	0x00008038
TOM0_TGC0_INT_TRIG	0x0000803C
TOM0_CH1_CTRL	0x00008040
TOM0_CH1_SR0	0x00008044
TOM0_CH1_SR1	0x00008048
TOM0_CH1_CM0	0x0000804C
TOM0_CH1_CM1	0x00008050
TOM0_CH1_CN0	0x00008054
TOM0_CH1_STAT	0x00008058
TOM0_CH1_IRQ_NOTIFY	0x0000805C
TOM0_CH1_IRQ_EN	0x00008060
TOM0_CH1_IRQ_FORCINT	0x00008064
TOM0_CH1_IRQ_MODE	0x00008068
TOM0_TGC0_ENDIS_CTRL	0x00008070
TOM0_TGC0_ENDIS_STAT	0x00008074
TOM0_TGC0_OUTEN_CTRL	0x00008078
TOM0_TGC0_OUTEN_STAT	0x0000807C
TOM0_CH2_CTRL	0x00008080
TOM0_CH2_SR0	0x00008084
TOM0_CH2_SR1	0x00008088
TOM0_CH2_CM0	0x0000808C
TOM0_CH2_CM1	0x00008090
TOM0_CH2_CN0	0x00008094
TOM0_CH2_STAT	0x00008098
TOM0_CH2_IRQ_NOTIFY	0x0000809C
TOM0_CH2_IRQ_EN	0x000080A0
TOM0_CH2_IRQ_FORCINT	0x000080A4
TOM0_CH2_IRQ_MODE	0x000080A8
TOM0_CH3_CTRL	0x000080C0
TOM0_CH3_SR0	0x000080C4
TOM0_CH3_SR1	0x000080C8
TOM0_CH3_CM0	0x000080CC
TOM0_CH3_CM1	0x000080D0
TOM0_CH3_CN0	0x000080D4
TOM0_CH3_STAT	0x000080D8

Address name	Address number
TOM0_CH3_IRQ_NOTIFY	0x000080DC
TOM0_CH3_IRQ_EN	0x000080E0
TOM0_CH3_IRQ_FORCINT	0x000080E4
TOM0_CH3_IRQ_MODE	0x000080E8
TOM0_CH4_CTRL	0x00008100
TOM0_CH4_SR0	0x00008104
TOM0_CH4_SR1	0x00008108
TOM0_CH4_CM0	0x0000810C
TOM0_CH4_CM1	0x00008110
TOM0_CH4_CN0	0x00008114
TOM0_CH4_STAT	0x00008118
TOM0_CH4_IRQ_NOTIFY	0x0000811C
TOM0_CH4_IRQ_EN	0x00008120
TOM0_CH4_IRQ_FORCINT	0x00008124
TOM0_CH4_IRQ_MODE	0x00008128
TOM0_CH5_CTRL	0x00008140
TOM0_CH5_SR0	0x00008144
TOM0_CH5_SR1	0x00008148
TOM0_CH5_CM0	0x0000814C
TOM0_CH5_CM1	0x00008150
TOM0_CH5_CN0	0x00008154
TOM0_CH5_STAT	0x00008158
TOM0_CH5_IRQ_NOTIFY	0x0000815C
TOM0_CH5_IRQ_EN	0x00008160
TOM0_CH5_IRQ_FORCINT	0x00008164
TOM0_CH5_IRQ_MODE	0x00008168
TOM0_CH6_CTRL	0x00008180
TOM0_CH6_SR0	0x00008184
TOM0_CH6_SR1	0x00008188
TOM0_CH6_CM0	0x0000818C
TOM0_CH6_CM1	0x00008190
TOM0_CH6_CN0	0x00008194
TOM0_CH6_STAT	0x00008198
TOM0_CH6_IRQ_NOTIFY	0x0000819C
TOM0_CH6_IRQ_EN	0x000081A0
TOM0_CH6_IRQ_FORCINT	0x000081A4
TOM0_CH6_IRQ_MODE	0x000081A8
TOM0_CH7_CTRL	0x000081C0

Address name	Address number
TOM0_CH7_SR0	0x000081C4
TOM0_CH7_SR1	0x000081C8
TOM0_CH7_CM0	0x000081CC
TOM0_CH7_CM1	0x000081D0
TOM0_CH7_CN0	0x000081D4
TOM0_CH7_STAT	0x000081D8
TOM0_CH7_IRQ_NOTIFY	0x000081DC
TOM0_CH7_IRQ_EN	0x000081E0
TOM0_CH7_IRQ_FORCINT	0x000081E4
TOM0_CH7_IRQ_MODE	0x000081E8
TOM0_CH8_CTRL	0x00008200
TOM0_CH8_SR0	0x00008204
TOM0_CH8_SR1	0x00008208
TOM0_CH8_CM0	0x0000820C
TOM0_CH8_CM1	0x00008210
TOM0_CH8_CN0	0x00008214
TOM0_CH8_STAT	0x00008218
TOM0_CH8_IRQ_NOTIFY	0x0000821C
TOM0_CH8_IRQ_EN	0x00008220
TOM0_CH8_IRQ_FORCINT	0x00008224
TOM0_CH8_IRQ_MODE	0x00008228
TOM0_TGC1_GLB_CTRL	0x00008230
TOM0_TGC1_ACT_TB	0x00008234
TOM0_TGC1_FUPD_CTRL	0x00008238
TOM0_TGC1_INT_TRIG	0x0000823C
TOM0_CH9_CTRL	0x00008240
TOM0_CH9_SR0	0x00008244
TOM0_CH9_SR1	0x00008248
TOM0_CH9_CM0	0x0000824C
TOM0_CH9_CM1	0x00008250
TOM0_CH9_CN0	0x00008254
TOM0_CH9_STAT	0x00008258
TOM0_CH9_IRQ_NOTIFY	0x0000825C
TOM0_CH9_IRQ_EN	0x00008260
TOM0_CH9_IRQ_FORCINT	0x00008264
TOM0_CH9_IRQ_MODE	0x00008268
TOM0_TGC1_ENDIS_CTRL	0x00008270
TOM0_TGC1_ENDIS_STAT	0x00008274

Address name	Address number
TOM0_TGC1_OUTEN_CTRL	0x00008278
TOM0_TGC1_OUTEN_STAT	0x0000827C
TOM0_CH10_CTRL	0x00008280
TOM0_CH10_SR0	0x00008284
TOM0_CH10_SR1	0x00008288
TOM0_CH10_CM0	0x0000828C
TOM0_CH10_CM1	0x00008290
TOM0_CH10_CN0	0x00008294
TOM0_CH10_STAT	0x00008298
TOM0_CH10_IRQ_NOTIFY	0x0000829C
TOM0_CH10_IRQ_EN	0x000082A0
TOM0_CH10_IRQ_FORCINT	0x000082A4
TOM0_CH10_IRQ_MODE	0x000082A8
TOM0_CH11_CTRL	0x000082C0
TOM0_CH11_SR0	0x000082C4
TOM0_CH11_SR1	0x000082C8
TOM0_CH11_CM0	0x000082CC
TOM0_CH11_CM1	0x000082D0
TOM0_CH11_CN0	0x000082D4
TOM0_CH11_STAT	0x000082D8
TOM0_CH11_IRQ_NOTIFY	0x000082DC
TOM0_CH11_IRQ_EN	0x000082E0
TOM0_CH11_IRQ_FORCINT	0x000082E4
TOM0_CH11_IRQ_MODE	0x000082E8
TOM0_CH12_CTRL	0x00008300
TOM0_CH12_SR0	0x00008304
TOM0_CH12_SR1	0x00008308
TOM0_CH12_CM0	0x0000830C
TOM0_CH12_CM1	0x00008310
TOM0_CH12_CN0	0x00008314
TOM0_CH12_STAT	0x00008318
TOM0_CH12_IRQ_NOTIFY	0x0000831C
TOM0_CH12_IRQ_EN	0x00008320
TOM0_CH12_IRQ_FORCINT	0x00008324
TOM0_CH12_IRQ_MODE	0x00008328
TOM0_CH13_CTRL	0x00008340
TOM0_CH13_SR0	0x00008344
TOM0_CH13_SR1	0x00008348

Address name	Address number
TOM0_CH13_CM0	0x0000834C
TOM0_CH13_CM1	0x00008350
TOM0_CH13_CN0	0x00008354
TOM0_CH13_STAT	0x00008358
TOM0_CH13_IRQ_NOTIFY	0x0000835C
TOM0_CH13_IRQ_EN	0x00008360
TOM0_CH13_IRQ_FORCINT	0x00008364
TOM0_CH13_IRQ_MODE	0x00008368
TOM0_CH14_CTRL	0x00008380
TOM0_CH14_SR0	0x00008384
TOM0_CH14_SR1	0x00008388
TOM0_CH14_CM0	0x0000838C
TOM0_CH14_CM1	0x00008390
TOM0_CH14_CN0	0x00008394
TOM0_CH14_STAT	0x00008398
TOM0_CH14_IRQ_NOTIFY	0x0000839C
TOM0_CH14_IRQ_EN	0x000083A0
TOM0_CH14_IRQ_FORCINT	0x000083A4
TOM0_CH14_IRQ_MODE	0x000083A8
TOM0_CH15_CTRL	0x000083C0
TOM0_CH15_SR0	0x000083C4
TOM0_CH15_SR1	0x000083C8
TOM0_CH15_CM0	0x000083CC
TOM0_CH15_CM1	0x000083D0
TOM0_CH15_CN0	0x000083D4
TOM0_CH15_STAT	0x000083D8
TOM0_CH15_IRQ_NOTIFY	0x000083DC
TOM0_CH15_IRQ_EN	0x000083E0
TOM0_CH15_IRQ_FORCINT	0x000083E4
TOM0_CH15_IRQ_MODE	0x000083E8
TOM1_CH0_CTRL	0x00008800
TOM1_CH0_SR0	0x00008804
TOM1_CH0_SR1	0x00008808
TOM1_CH0_CM0	0x0000880C
TOM1_CH0_CM1	0x00008810
TOM1_CH0_CN0	0x00008814
TOM1_CH0_STAT	0x00008818
TOM1_CH0_IRQ_NOTIFY	0x0000881C

Address name	Address number
TOM1_CH0_IRQ_EN	0x00008820
TOM1_CH0_IRQ_FORCINT	0x00008824
TOM1_CH0_IRQ_MODE	0x00008828
TOM1_TGC0_GLB_CTRL	0x00008830
TOM1_TGC0_ACT_TB	0x00008834
TOM1_TGC0_FUPD_CTRL	0x00008838
TOM1_TGC0_INT_TRIG	0x0000883C
TOM1_CH1_CTRL	0x00008840
TOM1_CH1_SR0	0x00008844
TOM1_CH1_SR1	0x00008848
TOM1_CH1_CM0	0x0000884C
TOM1_CH1_CM1	0x00008850
TOM1_CH1_CN0	0x00008854
TOM1_CH1_STAT	0x00008858
TOM1_CH1_IRQ_NOTIFY	0x0000885C
TOM1_CH1_IRQ_EN	0x00008860
TOM1_CH1_IRQ_FORCINT	0x00008864
TOM1_CH1_IRQ_MODE	0x00008868
TOM1_TGC0_ENDIS_CTRL	0x00008870
TOM1_TGC0_ENDIS_STAT	0x00008874
TOM1_TGC0_OUTEN_CTRL	0x00008878
TOM1_TGC0_OUTEN_STAT	0x0000887C
TOM1_CH2_CTRL	0x00008880
TOM1_CH2_SR0	0x00008884
TOM1_CH2_SR1	0x00008888
TOM1_CH2_CM0	0x0000888C
TOM1_CH2_CM1	0x00008890
TOM1_CH2_CN0	0x00008894
TOM1_CH2_STAT	0x00008898
TOM1_CH2_IRQ_NOTIFY	0x0000889C
TOM1_CH2_IRQ_EN	0x000088A0
TOM1_CH2_IRQ_FORCINT	0x000088A4
TOM1_CH2_IRQ_MODE	0x000088A8
TOM1_CH3_CTRL	0x000088C0
TOM1_CH3_SR0	0x000088C4
TOM1_CH3_SR1	0x000088C8
TOM1_CH3_CM0	0x000088CC
TOM1_CH3_CM1	0x000088D0

Address name	Address number
TOM1_CH3_CN0	0x000088D4
TOM1_CH3_STAT	0x000088D8
TOM1_CH3_IRQ_NOTIFY	0x000088DC
TOM1_CH3_IRQ_EN	0x000088E0
TOM1_CH3_IRQ_FORCINT	0x000088E4
TOM1_CH3_IRQ_MODE	0x000088E8
TOM1_CH4_CTRL	0x00008900
TOM1_CH4_SR0	0x00008904
TOM1_CH4_SR1	0x00008908
TOM1_CH4_CM0	0x0000890C
TOM1_CH4_CM1	0x00008910
TOM1_CH4_CN0	0x00008914
TOM1_CH4_STAT	0x00008918
TOM1_CH4_IRQ_NOTIFY	0x0000891C
TOM1_CH4_IRQ_EN	0x00008920
TOM1_CH4_IRQ_FORCINT	0x00008924
TOM1_CH4_IRQ_MODE	0x00008928
TOM1_CH5_CTRL	0x00008940
TOM1_CH5_SR0	0x00008944
TOM1_CH5_SR1	0x00008948
TOM1_CH5_CM0	0x0000894C
TOM1_CH5_CM1	0x00008950
TOM1_CH5_CN0	0x00008954
TOM1_CH5_STAT	0x00008958
TOM1_CH5_IRQ_NOTIFY	0x0000895C
TOM1_CH5_IRQ_EN	0x00008960
TOM1_CH5_IRQ_FORCINT	0x00008964
TOM1_CH5_IRQ_MODE	0x00008968
TOM1_CH6_CTRL	0x00008980
TOM1_CH6_SR0	0x00008984
TOM1_CH6_SR1	0x00008988
TOM1_CH6_CM0	0x0000898C
TOM1_CH6_CM1	0x00008990
TOM1_CH6_CN0	0x00008994
TOM1_CH6_STAT	0x00008998
TOM1_CH6_IRQ_NOTIFY	0x0000899C
TOM1_CH6_IRQ_EN	0x000089A0
TOM1_CH6_IRQ_FORCINT	0x000089A4

Address name	Address number
TOM1_CH6_IRQ_MODE	0x000089A8
TOM1_CH7_CTRL	0x000089C0
TOM1_CH7_SR0	0x000089C4
TOM1_CH7_SR1	0x000089C8
TOM1_CH7_CM0	0x000089CC
TOM1_CH7_CM1	0x000089D0
TOM1_CH7_CN0	0x000089D4
TOM1_CH7_STAT	0x000089D8
TOM1_CH7_IRQ_NOTIFY	0x000089DC
TOM1_CH7_IRQ_EN	0x000089E0
TOM1_CH7_IRQ_FORCINT	0x000089E4
TOM1_CH7_IRQ_MODE	0x000089E8
TOM1_CH8_CTRL	0x00008A00
TOM1_CH8_SR0	0x00008A04
TOM1_CH8_SR1	0x00008A08
TOM1_CH8_CM0	0x00008A0C
TOM1_CH8_CM1	0x00008A10
TOM1_CH8_CN0	0x00008A14
TOM1_CH8_STAT	0x00008A18
TOM1_CH8_IRQ_NOTIFY	0x00008A1C
TOM1_CH8_IRQ_EN	0x00008A20
TOM1_CH8_IRQ_FORCINT	0x00008A24
TOM1_CH8_IRQ_MODE	0x00008A28
TOM1_TGC1_GLB_CTRL	0x00008A30
TOM1_TGC1_ACT_TB	0x00008A34
TOM1_TGC1_FUPD_CTRL	0x00008A38
TOM1_TGC1_INT_TRIG	0x00008A3C
TOM1_CH9_CTRL	0x00008A40
TOM1_CH9_SR0	0x00008A44
TOM1_CH9_SR1	0x00008A48
TOM1_CH9_CM0	0x00008A4C
TOM1_CH9_CM1	0x00008A50
TOM1_CH9_CN0	0x00008A54
TOM1_CH9_STAT	0x00008A58
TOM1_CH9_IRQ_NOTIFY	0x00008A5C
TOM1_CH9_IRQ_EN	0x00008A60
TOM1_CH9_IRQ_FORCINT	0x00008A64
TOM1_CH9_IRQ_MODE	0x00008A68

Address name	Address number
TOM1_TGC1_ENDIS_CTRL	0x00008A70
TOM1_TGC1_ENDIS_STAT	0x00008A74
TOM1_TGC1_OUTEN_CTRL	0x00008A78
TOM1_TGC1_OUTEN_STAT	0x00008A7C
TOM1_CH10_CTRL	0x00008A80
TOM1_CH10_SR0	0x00008A84
TOM1_CH10_SR1	0x00008A88
TOM1_CH10_CM0	0x00008A8C
TOM1_CH10_CM1	0x00008A90
TOM1_CH10_CN0	0x00008A94
TOM1_CH10_STAT	0x00008A98
TOM1_CH10_IRQ_NOTIFY	0x00008A9C
TOM1_CH10_IRQ_EN	0x00008AA0
TOM1_CH10_IRQ_FORCINT	0x00008AA4
TOM1_CH10_IRQ_MODE	0x00008AA8
TOM1_CH11_CTRL	0x00008AC0
TOM1_CH11_SR0	0x00008AC4
TOM1_CH11_SR1	0x00008AC8
TOM1_CH11_CM0	0x00008ACC
TOM1_CH11_CM1	0x00008AD0
TOM1_CH11_CN0	0x00008AD4
TOM1_CH11_STAT	0x00008AD8
TOM1_CH11_IRQ_NOTIFY	0x00008ADC
TOM1_CH11_IRQ_EN	0x00008AE0
TOM1_CH11_IRQ_FORCINT	0x00008AE4
TOM1_CH11_IRQ_MODE	0x00008AE8
TOM1_CH12_CTRL	0x00008B00
TOM1_CH12_SR0	0x00008B04
TOM1_CH12_SR1	0x00008B08
TOM1_CH12_CM0	0x00008B0C
TOM1_CH12_CM1	0x00008B10
TOM1_CH12_CN0	0x00008B14
TOM1_CH12_STAT	0x00008B18
TOM1_CH12_IRQ_NOTIFY	0x00008B1C
TOM1_CH12_IRQ_EN	0x00008B20
TOM1_CH12_IRQ_FORCINT	0x00008B24
TOM1_CH12_IRQ_MODE	0x00008B28
TOM1_CH13_CTRL	0x00008B40

Address name	Address number
TOM1_CH13_SR0	0x00008B44
TOM1_CH13_SR1	0x00008B48
TOM1_CH13_CM0	0x00008B4C
TOM1_CH13_CM1	0x00008B50
TOM1_CH13_CN0	0x00008B54
TOM1_CH13_STAT	0x00008B58
TOM1_CH13_IRQ_NOTIFY	0x00008B5C
TOM1_CH13_IRQ_EN	0x00008B60
TOM1_CH13_IRQ_FORCINT	0x00008B64
TOM1_CH13_IRQ_MODE	0x00008B68
TOM1_CH14_CTRL	0x00008B80
TOM1_CH14_SR0	0x00008B84
TOM1_CH14_SR1	0x00008B88
TOM1_CH14_CM0	0x00008B8C
TOM1_CH14_CM1	0x00008B90
TOM1_CH14_CN0	0x00008B94
TOM1_CH14_STAT	0x00008B98
TOM1_CH14_IRQ_NOTIFY	0x00008B9C
TOM1_CH14_IRQ_EN	0x00008BA0
TOM1_CH14_IRQ_FORCINT	0x00008BA4
TOM1_CH14_IRQ_MODE	0x00008BA8
TOM1_CH15_CTRL	0x00008BC0
TOM1_CH15_SR0	0x00008BC4
TOM1_CH15_SR1	0x00008BC8
TOM1_CH15_CM0	0x00008BCC
TOM1_CH15_CM1	0x00008BD0
TOM1_CH15_CN0	0x00008BD4
TOM1_CH15_STAT	0x00008BD8
TOM1_CH15_IRQ_NOTIFY	0x00008BDC
TOM1_CH15_IRQ_EN	0x00008BE0
TOM1_CH15_IRQ_FORCINT	0x00008BE4
TOM1_CH15_IRQ_MODE	0x00008BE8
TOM2_CH0_CTRL	0x00009000
TOM2_CH0_SR0	0x00009004
TOM2_CH0_SR1	0x00009008
TOM2_CH0_CM0	0x0000900C
TOM2_CH0_CM1	0x00009010
TOM2_CH0_CN0	0x00009014

Address name	Address number
TOM2_CH0_STAT	0x00009018
TOM2_CH0_IRQ_NOTIFY	0x0000901C
TOM2_CH0_IRQ_EN	0x00009020
TOM2_CH0_IRQ_FORCINT	0x00009024
TOM2_CH0_IRQ_MODE	0x00009028
TOM2_TGC0_GLB_CTRL	0x00009030
TOM2_TGC0_ACT_TB	0x00009034
TOM2_TGC0_FUPD_CTRL	0x00009038
TOM2_TGC0_INT_TRIG	0x0000903C
TOM2_CH1_CTRL	0x00009040
TOM2_CH1_SR0	0x00009044
TOM2_CH1_SR1	0x00009048
TOM2_CH1_CM0	0x0000904C
TOM2_CH1_CM1	0x00009050
TOM2_CH1_CN0	0x00009054
TOM2_CH1_STAT	0x00009058
TOM2_CH1_IRQ_NOTIFY	0x0000905C
TOM2_CH1_IRQ_EN	0x00009060
TOM2_CH1_IRQ_FORCINT	0x00009064
TOM2_CH1_IRQ_MODE	0x00009068
TOM2_TGC0_ENDIS_CTRL	0x00009070
TOM2_TGC0_ENDIS_STAT	0x00009074
TOM2_TGC0_OUTEN_CTRL	0x00009078
TOM2_TGC0_OUTEN_STAT	0x0000907C
TOM2_CH2_CTRL	0x00009080
TOM2_CH2_SR0	0x00009084
TOM2_CH2_SR1	0x00009088
TOM2_CH2_CM0	0x0000908C
TOM2_CH2_CM1	0x00009090
TOM2_CH2_CN0	0x00009094
TOM2_CH2_STAT	0x00009098
TOM2_CH2_IRQ_NOTIFY	0x0000909C
TOM2_CH2_IRQ_EN	0x000090A0
TOM2_CH2_IRQ_FORCINT	0x000090A4
TOM2_CH2_IRQ_MODE	0x000090A8
TOM2_CH3_CTRL	0x000090C0
TOM2_CH3_SR0	0x000090C4
TOM2_CH3_SR1	0x000090C8

Address name	Address number
TOM2_CH3_CM0	0x000090CC
TOM2_CH3_CM1	0x000090D0
TOM2_CH3_CN0	0x000090D4
TOM2_CH3_STAT	0x000090D8
TOM2_CH3_IRQ_NOTIFY	0x000090DC
TOM2_CH3_IRQ_EN	0x000090E0
TOM2_CH3_IRQ_FORCINT	0x000090E4
TOM2_CH3_IRQ_MODE	0x000090E8
TOM2_CH4_CTRL	0x00009100
TOM2_CH4_SR0	0x00009104
TOM2_CH4_SR1	0x00009108
TOM2_CH4_CM0	0x0000910C
TOM2_CH4_CM1	0x00009110
TOM2_CH4_CN0	0x00009114
TOM2_CH4_STAT	0x00009118
TOM2_CH4_IRQ_NOTIFY	0x0000911C
TOM2_CH4_IRQ_EN	0x00009120
TOM2_CH4_IRQ_FORCINT	0x00009124
TOM2_CH4_IRQ_MODE	0x00009128
TOM2_CH5_CTRL	0x00009140
TOM2_CH5_SR0	0x00009144
TOM2_CH5_SR1	0x00009148
TOM2_CH5_CM0	0x0000914C
TOM2_CH5_CM1	0x00009150
TOM2_CH5_CN0	0x00009154
TOM2_CH5_STAT	0x00009158
TOM2_CH5_IRQ_NOTIFY	0x0000915C
TOM2_CH5_IRQ_EN	0x00009160
TOM2_CH5_IRQ_FORCINT	0x00009164
TOM2_CH5_IRQ_MODE	0x00009168
TOM2_CH6_CTRL	0x00009180
TOM2_CH6_SR0	0x00009184
TOM2_CH6_SR1	0x00009188
TOM2_CH6_CM0	0x0000918C
TOM2_CH6_CM1	0x00009190
TOM2_CH6_CN0	0x00009194
TOM2_CH6_STAT	0x00009198
TOM2_CH6_IRQ_NOTIFY	0x0000919C

Address name	Address number
TOM2_CH6_IRQ_EN	0x000091A0
TOM2_CH6_IRQ_FORCINT	0x000091A4
TOM2_CH6_IRQ_MODE	0x000091A8
TOM2_CH7_CTRL	0x000091C0
TOM2_CH7_SR0	0x000091C4
TOM2_CH7_SR1	0x000091C8
TOM2_CH7_CM0	0x000091CC
TOM2_CH7_CM1	0x000091D0
TOM2_CH7_CN0	0x000091D4
TOM2_CH7_STAT	0x000091D8
TOM2_CH7_IRQ_NOTIFY	0x000091DC
TOM2_CH7_IRQ_EN	0x000091E0
TOM2_CH7_IRQ_FORCINT	0x000091E4
TOM2_CH7_IRQ_MODE	0x000091E8
TOM2_CH8_CTRL	0x00009200
TOM2_CH8_SR0	0x00009204
TOM2_CH8_SR1	0x00009208
TOM2_CH8_CM0	0x0000920C
TOM2_CH8_CM1	0x00009210
TOM2_CH8_CN0	0x00009214
TOM2_CH8_STAT	0x00009218
TOM2_CH8_IRQ_NOTIFY	0x0000921C
TOM2_CH8_IRQ_EN	0x00009220
TOM2_CH8_IRQ_FORCINT	0x00009224
TOM2_CH8_IRQ_MODE	0x00009228
TOM2_TGC1_GLB_CTRL	0x00009230
TOM2_TGC1_ACT_TB	0x00009234
TOM2_TGC1_FUPD_CTRL	0x00009238
TOM2_TGC1_INT_TRIG	0x0000923C
TOM2_CH9_CTRL	0x00009240
TOM2_CH9_SR0	0x00009244
TOM2_CH9_SR1	0x00009248
TOM2_CH9_CM0	0x0000924C
TOM2_CH9_CM1	0x00009250
TOM2_CH9_CN0	0x00009254
TOM2_CH9_STAT	0x00009258
TOM2_CH9_IRQ_NOTIFY	0x0000925C
TOM2_CH9_IRQ_EN	0x00009260

Address name	Address number
TOM2_CH9_IRQ_FORCINT	0x00009264
TOM2_CH9_IRQ_MODE	0x00009268
TOM2_TGC1_ENDIS_CTRL	0x00009270
TOM2_TGC1_ENDIS_STAT	0x00009274
TOM2_TGC1_OUTEN_CTRL	0x00009278
TOM2_TGC1_OUTEN_STAT	0x0000927C
TOM2_CH10_CTRL	0x00009280
TOM2_CH10_SR0	0x00009284
TOM2_CH10_SR1	0x00009288
TOM2_CH10_CM0	0x0000928C
TOM2_CH10_CM1	0x00009290
TOM2_CH10_CN0	0x00009294
TOM2_CH10_STAT	0x00009298
TOM2_CH10_IRQ_NOTIFY	0x0000929C
TOM2_CH10_IRQ_EN	0x000092A0
TOM2_CH10_IRQ_FORCINT	0x000092A4
TOM2_CH10_IRQ_MODE	0x000092A8
TOM2_CH11_CTRL	0x000092C0
TOM2_CH11_SR0	0x000092C4
TOM2_CH11_SR1	0x000092C8
TOM2_CH11_CM0	0x000092CC
TOM2_CH11_CM1	0x000092D0
TOM2_CH11_CN0	0x000092D4
TOM2_CH11_STAT	0x000092D8
TOM2_CH11_IRQ_NOTIFY	0x000092DC
TOM2_CH11_IRQ_EN	0x000092E0
TOM2_CH11_IRQ_FORCINT	0x000092E4
TOM2_CH11_IRQ_MODE	0x000092E8
TOM2_CH12_CTRL	0x00009300
TOM2_CH12_SR0	0x00009304
TOM2_CH12_SR1	0x00009308
TOM2_CH12_CM0	0x0000930C
TOM2_CH12_CM1	0x00009310
TOM2_CH12_CN0	0x00009314
TOM2_CH12_STAT	0x00009318
TOM2_CH12_IRQ_NOTIFY	0x0000931C
TOM2_CH12_IRQ_EN	0x00009320
TOM2_CH12_IRQ_FORCINT	0x00009324

Address name	Address number
TOM2_CH12_IRQ_MODE	0x00009328
TOM2_CH13_CTRL	0x00009340
TOM2_CH13_SR0	0x00009344
TOM2_CH13_SR1	0x00009348
TOM2_CH13_CM0	0x0000934C
TOM2_CH13_CM1	0x00009350
TOM2_CH13_CN0	0x00009354
TOM2_CH13_STAT	0x00009358
TOM2_CH13_IRQ_NOTIFY	0x0000935C
TOM2_CH13_IRQ_EN	0x00009360
TOM2_CH13_IRQ_FORCINT	0x00009364
TOM2_CH13_IRQ_MODE	0x00009368
TOM2_CH14_CTRL	0x00009380
TOM2_CH14_SR0	0x00009384
TOM2_CH14_SR1	0x00009388
TOM2_CH14_CM0	0x0000938C
TOM2_CH14_CM1	0x00009390
TOM2_CH14_CN0	0x00009394
TOM2_CH14_STAT	0x00009398
TOM2_CH14_IRQ_NOTIFY	0x0000939C
TOM2_CH14_IRQ_EN	0x000093A0
TOM2_CH14_IRQ_FORCINT	0x000093A4
TOM2_CH14_IRQ_MODE	0x000093A8
TOM2_CH15_CTRL	0x000093C0
TOM2_CH15_SR0	0x000093C4
TOM2_CH15_SR1	0x000093C8
TOM2_CH15_CM0	0x000093CC
TOM2_CH15_CM1	0x000093D0
TOM2_CH15_CN0	0x000093D4
TOM2_CH15_STAT	0x000093D8
TOM2_CH15_IRQ_NOTIFY	0x000093DC
TOM2_CH15_IRQ_EN	0x000093E0
TOM2_CH15_IRQ_FORCINT	0x000093E4
TOM2_CH15_IRQ_MODE	0x000093E8
TOM3_CH0_CTRL	0x00009800
TOM3_CH0_SR0	0x00009804
TOM3_CH0_SR1	0x00009808
TOM3_CH0_CM0	0x0000980C

Address name	Address number
TOM3_CH0_CM1	0x00009810
TOM3_CH0_CN0	0x00009814
TOM3_CH0_STAT	0x00009818
TOM3_CH0_IRQ_NOTIFY	0x0000981C
TOM3_CH0_IRQ_EN	0x00009820
TOM3_CH0_IRQ_FORCINT	0x00009824
TOM3_CH0_IRQ_MODE	0x00009828
TOM3_TGC0_GLB_CTRL	0x00009830
TOM3_TGC0_ACT_TB	0x00009834
TOM3_TGC0_FUPD_CTRL	0x00009838
TOM3_TGC0_INT_TRIG	0x0000983C
TOM3_CH1_CTRL	0x00009840
TOM3_CH1_SR0	0x00009844
TOM3_CH1_SR1	0x00009848
TOM3_CH1_CM0	0x0000984C
TOM3_CH1_CM1	0x00009850
TOM3_CH1_CN0	0x00009854
TOM3_CH1_STAT	0x00009858
TOM3_CH1_IRQ_NOTIFY	0x0000985C
TOM3_CH1_IRQ_EN	0x00009860
TOM3_CH1_IRQ_FORCINT	0x00009864
TOM3_CH1_IRQ_MODE	0x00009868
TOM3_TGC0_ENDIS_CTRL	0x00009870
TOM3_TGC0_ENDIS_STAT	0x00009874
TOM3_TGC0_OUTEN_CTRL	0x00009878
TOM3_TGC0_OUTEN_STAT	0x0000987C
TOM3_CH2_CTRL	0x00009880
TOM3_CH2_SR0	0x00009884
TOM3_CH2_SR1	0x00009888
TOM3_CH2_CM0	0x0000988C
TOM3_CH2_CM1	0x00009890
TOM3_CH2_CN0	0x00009894
TOM3_CH2_STAT	0x00009898
TOM3_CH2_IRQ_NOTIFY	0x0000989C
TOM3_CH2_IRQ_EN	0x000098A0
TOM3_CH2_IRQ_FORCINT	0x000098A4
TOM3_CH2_IRQ_MODE	0x000098A8
TOM3_CH3_CTRL	0x000098C0

Address name	Address number
TOM3_CH3_SR0	0x000098C4
TOM3_CH3_SR1	0x000098C8
TOM3_CH3_CM0	0x000098CC
TOM3_CH3_CM1	0x000098D0
TOM3_CH3_CN0	0x000098D4
TOM3_CH3_STAT	0x000098D8
TOM3_CH3_IRQ_NOTIFY	0x000098DC
TOM3_CH3_IRQ_EN	0x000098E0
TOM3_CH3_IRQ_FORCINT	0x000098E4
TOM3_CH3_IRQ_MODE	0x000098E8
TOM3_CH4_CTRL	0x00009900
TOM3_CH4_SR0	0x00009904
TOM3_CH4_SR1	0x00009908
TOM3_CH4_CM0	0x0000990C
TOM3_CH4_CM1	0x00009910
TOM3_CH4_CN0	0x00009914
TOM3_CH4_STAT	0x00009918
TOM3_CH4_IRQ_NOTIFY	0x0000991C
TOM3_CH4_IRQ_EN	0x00009920
TOM3_CH4_IRQ_FORCINT	0x00009924
TOM3_CH4_IRQ_MODE	0x00009928
TOM3_CH5_CTRL	0x00009940
TOM3_CH5_SR0	0x00009944
TOM3_CH5_SR1	0x00009948
TOM3_CH5_CM0	0x0000994C
TOM3_CH5_CM1	0x00009950
TOM3_CH5_CN0	0x00009954
TOM3_CH5_STAT	0x00009958
TOM3_CH5_IRQ_NOTIFY	0x0000995C
TOM3_CH5_IRQ_EN	0x00009960
TOM3_CH5_IRQ_FORCINT	0x00009964
TOM3_CH5_IRQ_MODE	0x00009968
TOM3_CH6_CTRL	0x00009980
TOM3_CH6_SR0	0x00009984
TOM3_CH6_SR1	0x00009988
TOM3_CH6_CM0	0x0000998C
TOM3_CH6_CM1	0x00009990
TOM3_CH6_CN0	0x00009994

Address name	Address number
TOM3_CH6_STAT	0x00009998
TOM3_CH6_IRQ_NOTIFY	0x0000999C
TOM3_CH6_IRQ_EN	0x000099A0
TOM3_CH6_IRQ_FORCINT	0x000099A4
TOM3_CH6_IRQ_MODE	0x000099A8
TOM3_CH7_CTRL	0x000099C0
TOM3_CH7_SR0	0x000099C4
TOM3_CH7_SR1	0x000099C8
TOM3_CH7_CM0	0x000099CC
TOM3_CH7_CM1	0x000099D0
TOM3_CH7_CN0	0x000099D4
TOM3_CH7_STAT	0x000099D8
TOM3_CH7_IRQ_NOTIFY	0x000099DC
TOM3_CH7_IRQ_EN	0x000099E0
TOM3_CH7_IRQ_FORCINT	0x000099E4
TOM3_CH7_IRQ_MODE	0x000099E8
TOM3_CH8_CTRL	0x00009A00
TOM3_CH8_SR0	0x00009A04
TOM3_CH8_SR1	0x00009A08
TOM3_CH8_CM0	0x00009A0C
TOM3_CH8_CM1	0x00009A10
TOM3_CH8_CN0	0x00009A14
TOM3_CH8_STAT	0x00009A18
TOM3_CH8_IRQ_NOTIFY	0x00009A1C
TOM3_CH8_IRQ_EN	0x00009A20
TOM3_CH8_IRQ_FORCINT	0x00009A24
TOM3_CH8_IRQ_MODE	0x00009A28
TOM3_TGC1_GLB_CTRL	0x00009A30
TOM3_TGC1_ACT_TB	0x00009A34
TOM3_TGC1_FUPD_CTRL	0x00009A38
TOM3_TGC1_INT_TRIG	0x00009A3C
TOM3_CH9_CTRL	0x00009A40
TOM3_CH9_SR0	0x00009A44
TOM3_CH9_SR1	0x00009A48
TOM3_CH9_CM0	0x00009A4C
TOM3_CH9_CM1	0x00009A50
TOM3_CH9_CN0	0x00009A54
TOM3_CH9_STAT	0x00009A58

Address name	Address number
TOM3_CH9_IRQ_NOTIFY	0x00009A5C
TOM3_CH9_IRQ_EN	0x00009A60
TOM3_CH9_IRQ_FORCINT	0x00009A64
TOM3_CH9_IRQ_MODE	0x00009A68
TOM3_TGC1_ENDIS_CTRL	0x00009A70
TOM3_TGC1_ENDIS_STAT	0x00009A74
TOM3_TGC1_OUTEN_CTRL	0x00009A78
TOM3_TGC1_OUTEN_STAT	0x00009A7C
TOM3_CH10_CTRL	0x00009A80
TOM3_CH10_SR0	0x00009A84
TOM3_CH10_SR1	0x00009A88
TOM3_CH10_CM0	0x00009A8C
TOM3_CH10_CM1	0x00009A90
TOM3_CH10_CN0	0x00009A94
TOM3_CH10_STAT	0x00009A98
TOM3_CH10_IRQ_NOTIFY	0x00009A9C
TOM3_CH10_IRQ_EN	0x00009AA0
TOM3_CH10_IRQ_FORCINT	0x00009AA4
TOM3_CH10_IRQ_MODE	0x00009AA8
TOM3_CH11_CTRL	0x00009AC0
TOM3_CH11_SR0	0x00009AC4
TOM3_CH11_SR1	0x00009AC8
TOM3_CH11_CM0	0x00009ACC
TOM3_CH11_CM1	0x00009AD0
TOM3_CH11_CN0	0x00009AD4
TOM3_CH11_STAT	0x00009AD8
TOM3_CH11_IRQ_NOTIFY	0x00009ADC
TOM3_CH11_IRQ_EN	0x00009AE0
TOM3_CH11_IRQ_FORCINT	0x00009AE4
TOM3_CH11_IRQ_MODE	0x00009AE8
TOM3_CH12_CTRL	0x00009B00
TOM3_CH12_SR0	0x00009B04
TOM3_CH12_SR1	0x00009B08
TOM3_CH12_CM0	0x00009B0C
TOM3_CH12_CM1	0x00009B10
TOM3_CH12_CN0	0x00009B14
TOM3_CH12_STAT	0x00009B18
TOM3_CH12_IRQ_NOTIFY	0x00009B1C

Address name	Address number
TOM3_CH12_IRQ_EN	0x00009B20
TOM3_CH12_IRQ_FORCINT	0x00009B24
TOM3_CH12_IRQ_MODE	0x00009B28
TOM3_CH13_CTRL	0x00009B40
TOM3_CH13_SR0	0x00009B44
TOM3_CH13_SR1	0x00009B48
TOM3_CH13_CM0	0x00009B4C
TOM3_CH13_CM1	0x00009B50
TOM3_CH13_CN0	0x00009B54
TOM3_CH13_STAT	0x00009B58
TOM3_CH13_IRQ_NOTIFY	0x00009B5C
TOM3_CH13_IRQ_EN	0x00009B60
TOM3_CH13_IRQ_FORCINT	0x00009B64
TOM3_CH13_IRQ_MODE	0x00009B68
TOM3_CH14_CTRL	0x00009B80
TOM3_CH14_SR0	0x00009B84
TOM3_CH14_SR1	0x00009B88
TOM3_CH14_CM0	0x00009B8C
TOM3_CH14_CM1	0x00009B90
TOM3_CH14_CN0	0x00009B94
TOM3_CH14_STAT	0x00009B98
TOM3_CH14_IRQ_NOTIFY	0x00009B9C
TOM3_CH14_IRQ_EN	0x00009BA0
TOM3_CH14_IRQ_FORCINT	0x00009BA4
TOM3_CH14_IRQ_MODE	0x00009BA8
TOM3_CH15_CTRL	0x00009BC0
TOM3_CH15_SR0	0x00009BC4
TOM3_CH15_SR1	0x00009BC8
TOM3_CH15_CM0	0x00009BCC
TOM3_CH15_CM1	0x00009BD0
TOM3_CH15_CN0	0x00009BD4
TOM3_CH15_STAT	0x00009BD8
TOM3_CH15_IRQ_NOTIFY	0x00009BDC
TOM3_CH15_IRQ_EN	0x00009BE0
TOM3_CH15_IRQ_FORCINT	0x00009BE4
TOM3_CH15_IRQ_MODE	0x00009BE8
TOM4_CH0_CTRL	0x0000A000
TOM4_CH0_SR0	0x0000A004

Address name	Address number
TOM4_CH0_SR1	0x0000A008
TOM4_CH0_CM0	0x0000A00C
TOM4_CH0_CM1	0x0000A010
TOM4_CH0_CN0	0x0000A014
TOM4_CH0_STAT	0x0000A018
TOM4_CH0_IRQ_NOTIFY	0x0000A01C
TOM4_CH0_IRQ_EN	0x0000A020
TOM4_CH0_IRQ_FORCINT	0x0000A024
TOM4_CH0_IRQ_MODE	0x0000A028
TOM4_TGC0_GLB_CTRL	0x0000A030
TOM4_TGC0_ACT_TB	0x0000A034
TOM4_TGC0_FUPD_CTRL	0x0000A038
TOM4_TGC0_INT_TRIG	0x0000A03C
TOM4_CH1_CTRL	0x0000A040
TOM4_CH1_SR0	0x0000A044
TOM4_CH1_SR1	0x0000A048
TOM4_CH1_CM0	0x0000A04C
TOM4_CH1_CM1	0x0000A050
TOM4_CH1_CN0	0x0000A054
TOM4_CH1_STAT	0x0000A058
TOM4_CH1_IRQ_NOTIFY	0x0000A05C
TOM4_CH1_IRQ_EN	0x0000A060
TOM4_CH1_IRQ_FORCINT	0x0000A064
TOM4_CH1_IRQ_MODE	0x0000A068
TOM4_TGC0_ENDIS_CTRL	0x0000A070
TOM4_TGC0_ENDIS_STAT	0x0000A074
TOM4_TGC0_OUTEN_CTRL	0x0000A078
TOM4_TGC0_OUTEN_STAT	0x0000A07C
TOM4_CH2_CTRL	0x0000A080
TOM4_CH2_SR0	0x0000A084
TOM4_CH2_SR1	0x0000A088
TOM4_CH2_CM0	0x0000A08C
TOM4_CH2_CM1	0x0000A090
TOM4_CH2_CN0	0x0000A094
TOM4_CH2_STAT	0x0000A098
TOM4_CH2_IRQ_NOTIFY	0x0000A09C
TOM4_CH2_IRQ_EN	0x0000A0A0
TOM4_CH2_IRQ_FORCINT	0x0000A0A4

Address name	Address number
TOM4_CH2_IRQ_MODE	0x0000A0A8
TOM4_CH3_CTRL	0x0000A0C0
TOM4_CH3_SR0	0x0000A0C4
TOM4_CH3_SR1	0x0000A0C8
TOM4_CH3_CM0	0x0000A0CC
TOM4_CH3_CM1	0x0000A0D0
TOM4_CH3_CN0	0x0000A0D4
TOM4_CH3_STAT	0x0000A0D8
TOM4_CH3_IRQ_NOTIFY	0x0000A0DC
TOM4_CH3_IRQ_EN	0x0000A0E0
TOM4_CH3_IRQ_FORCINT	0x0000A0E4
TOM4_CH3_IRQ_MODE	0x0000A0E8
TOM4_CH4_CTRL	0x0000A100
TOM4_CH4_SR0	0x0000A104
TOM4_CH4_SR1	0x0000A108
TOM4_CH4_CM0	0x0000A10C
TOM4_CH4_CM1	0x0000A110
TOM4_CH4_CN0	0x0000A114
TOM4_CH4_STAT	0x0000A118
TOM4_CH4_IRQ_NOTIFY	0x0000A11C
TOM4_CH4_IRQ_EN	0x0000A120
TOM4_CH4_IRQ_FORCINT	0x0000A124
TOM4_CH4_IRQ_MODE	0x0000A128
TOM4_CH5_CTRL	0x0000A140
TOM4_CH5_SR0	0x0000A144
TOM4_CH5_SR1	0x0000A148
TOM4_CH5_CM0	0x0000A14C
TOM4_CH5_CM1	0x0000A150
TOM4_CH5_CN0	0x0000A154
TOM4_CH5_STAT	0x0000A158
TOM4_CH5_IRQ_NOTIFY	0x0000A15C
TOM4_CH5_IRQ_EN	0x0000A160
TOM4_CH5_IRQ_FORCINT	0x0000A164
TOM4_CH5_IRQ_MODE	0x0000A168
TOM4_CH6_CTRL	0x0000A180
TOM4_CH6_SR0	0x0000A184
TOM4_CH6_SR1	0x0000A188
TOM4_CH6_CM0	0x0000A18C

Address name	Address number
TOM4_CH6_CM1	0x0000A190
TOM4_CH6_CN0	0x0000A194
TOM4_CH6_STAT	0x0000A198
TOM4_CH6_IRQ_NOTIFY	0x0000A19C
TOM4_CH6_IRQ_EN	0x0000A1A0
TOM4_CH6_IRQ_FORCINT	0x0000A1A4
TOM4_CH6_IRQ_MODE	0x0000A1A8
TOM4_CH7_CTRL	0x0000A1C0
TOM4_CH7_SR0	0x0000A1C4
TOM4_CH7_SR1	0x0000A1C8
TOM4_CH7_CM0	0x0000A1CC
TOM4_CH7_CM1	0x0000A1D0
TOM4_CH7_CN0	0x0000A1D4
TOM4_CH7_STAT	0x0000A1D8
TOM4_CH7_IRQ_NOTIFY	0x0000A1DC
TOM4_CH7_IRQ_EN	0x0000A1E0
TOM4_CH7_IRQ_FORCINT	0x0000A1E4
TOM4_CH7_IRQ_MODE	0x0000A1E8
TOM4_CH8_CTRL	0x0000A200
TOM4_CH8_SR0	0x0000A204
TOM4_CH8_SR1	0x0000A208
TOM4_CH8_CM0	0x0000A20C
TOM4_CH8_CM1	0x0000A210
TOM4_CH8_CN0	0x0000A214
TOM4_CH8_STAT	0x0000A218
TOM4_CH8_IRQ_NOTIFY	0x0000A21C
TOM4_CH8_IRQ_EN	0x0000A220
TOM4_CH8_IRQ_FORCINT	0x0000A224
TOM4_CH8_IRQ_MODE	0x0000A228
TOM4_TGC1_GLB_CTRL	0x0000A230
TOM4_TGC1_ACT_TB	0x0000A234
TOM4_TGC1_FUPD_CTRL	0x0000A238
TOM4_TGC1_INT_TRIG	0x0000A23C
TOM4_CH9_CTRL	0x0000A240
TOM4_CH9_SR0	0x0000A244
TOM4_CH9_SR1	0x0000A248
TOM4_CH9_CM0	0x0000A24C
TOM4_CH9_CM1	0x0000A250

Address name	Address number
TOM4_CH9_CN0	0x0000A254
TOM4_CH9_STAT	0x0000A258
TOM4_CH9_IRQ_NOTIFY	0x0000A25C
TOM4_CH9_IRQ_EN	0x0000A260
TOM4_CH9_IRQ_FORCINT	0x0000A264
TOM4_CH9_IRQ_MODE	0x0000A268
TOM4_TGC1_ENDIS_CTRL	0x0000A270
TOM4_TGC1_ENDIS_STAT	0x0000A274
TOM4_TGC1_OUTEN_CTRL	0x0000A278
TOM4_TGC1_OUTEN_STAT	0x0000A27C
TOM4_CH10_CTRL	0x0000A280
TOM4_CH10_SR0	0x0000A284
TOM4_CH10_SR1	0x0000A288
TOM4_CH10_CM0	0x0000A28C
TOM4_CH10_CM1	0x0000A290
TOM4_CH10_CN0	0x0000A294
TOM4_CH10_STAT	0x0000A298
TOM4_CH10_IRQ_NOTIFY	0x0000A29C
TOM4_CH10_IRQ_EN	0x0000A2A0
TOM4_CH10_IRQ_FORCINT	0x0000A2A4
TOM4_CH10_IRQ_MODE	0x0000A2A8
TOM4_CH11_CTRL	0x0000A2C0
TOM4_CH11_SR0	0x0000A2C4
TOM4_CH11_SR1	0x0000A2C8
TOM4_CH11_CM0	0x0000A2CC
TOM4_CH11_CM1	0x0000A2D0
TOM4_CH11_CN0	0x0000A2D4
TOM4_CH11_STAT	0x0000A2D8
TOM4_CH11_IRQ_NOTIFY	0x0000A2DC
TOM4_CH11_IRQ_EN	0x0000A2E0
TOM4_CH11_IRQ_FORCINT	0x0000A2E4
TOM4_CH11_IRQ_MODE	0x0000A2E8
TOM4_CH12_CTRL	0x0000A300
TOM4_CH12_SR0	0x0000A304
TOM4_CH12_SR1	0x0000A308
TOM4_CH12_CM0	0x0000A30C
TOM4_CH12_CM1	0x0000A310
TOM4_CH12_CN0	0x0000A314

Address name	Address number
TOM4_CH12_STAT	0x0000A318
TOM4_CH12_IRQ_NOTIFY	0x0000A31C
TOM4_CH12_IRQ_EN	0x0000A320
TOM4_CH12_IRQ_FORCINT	0x0000A324
TOM4_CH12_IRQ_MODE	0x0000A328
TOM4_CH13_CTRL	0x0000A340
TOM4_CH13_SR0	0x0000A344
TOM4_CH13_SR1	0x0000A348
TOM4_CH13_CM0	0x0000A34C
TOM4_CH13_CM1	0x0000A350
TOM4_CH13_CN0	0x0000A354
TOM4_CH13_STAT	0x0000A358
TOM4_CH13_IRQ_NOTIFY	0x0000A35C
TOM4_CH13_IRQ_EN	0x0000A360
TOM4_CH13_IRQ_FORCINT	0x0000A364
TOM4_CH13_IRQ_MODE	0x0000A368
TOM4_CH14_CTRL	0x0000A380
TOM4_CH14_SR0	0x0000A384
TOM4_CH14_SR1	0x0000A388
TOM4_CH14_CM0	0x0000A38C
TOM4_CH14_CM1	0x0000A390
TOM4_CH14_CN0	0x0000A394
TOM4_CH14_STAT	0x0000A398
TOM4_CH14_IRQ_NOTIFY	0x0000A39C
TOM4_CH14_IRQ_EN	0x0000A3A0
TOM4_CH14_IRQ_FORCINT	0x0000A3A4
TOM4_CH14_IRQ_MODE	0x0000A3A8
TOM4_CH15_CTRL	0x0000A3C0
TOM4_CH15_SR0	0x0000A3C4
TOM4_CH15_SR1	0x0000A3C8
TOM4_CH15_CM0	0x0000A3CC
TOM4_CH15_CM1	0x0000A3D0
TOM4_CH15_CN0	0x0000A3D4
TOM4_CH15_STAT	0x0000A3D8
TOM4_CH15_IRQ_NOTIFY	0x0000A3DC
TOM4_CH15_IRQ_EN	0x0000A3E0
TOM4_CH15_IRQ_FORCINT	0x0000A3E4
TOM4_CH15_IRQ_MODE	0x0000A3E8

Address name	Address number
ATOM0_CH0_RDADDR	0x0000D000
ATOM0_CH0_CTRL	0x0000D004
ATOM0_CH0_SR0	0x0000D008
ATOM0_CH0_SR1	0x0000D00C
ATOM0_CH0_CM0	0x0000D010
ATOM0_CH0_CM1	0x0000D014
ATOM0_CH0_CN0	0x0000D018
ATOM0_CH0_STAT	0x0000D01C
ATOM0_CH0_IRQ_NOTIFY	0x0000D020
ATOM0_CH0_IRQ_EN	0x0000D024
ATOM0_CH0_IRQ_FORCINT	0x0000D028
ATOM0_CH0_IRQ_MODE	0x0000D02C
ATOM0_AGC_GLB_CTRL	0x0000D040
ATOM0_AGC_ENDIS_CTRL	0x0000D044
ATOM0_AGC_ENDIS_STAT	0x0000D048
ATOM0_AGC_ACT_TB	0x0000D04C
ATOM0_AGC_OUTEN_CTRL	0x0000D050
ATOM0_AGC_OUTEN_STAT	0x0000D054
ATOM0_AGC_FUPD_CTRL	0x0000D058
ATOM0_AGC_INT_TRIG	0x0000D05C
ATOM0_CH1_RDADDR	0x0000D080
ATOM0_CH1_CTRL	0x0000D084
ATOM0_CH1_SR0	0x0000D088
ATOM0_CH1_SR1	0x0000D08C
ATOM0_CH1_CM0	0x0000D090
ATOM0_CH1_CM1	0x0000D094
ATOM0_CH1_CN0	0x0000D098
ATOM0_CH1_STAT	0x0000D09C
ATOM0_CH1_IRQ_NOTIFY	0x0000D0A0
ATOM0_CH1_IRQ_EN	0x0000D0A4
ATOM0_CH1_IRQ_FORCINT	0x0000D0A8
ATOM0_CH1_IRQ_MODE	0x0000D0AC
ATOM0_CH2_RDADDR	0x0000D100
ATOM0_CH2_CTRL	0x0000D104
ATOM0_CH2_SR0	0x0000D108
ATOM0_CH2_SR1	0x0000D10C
ATOM0_CH2_CM0	0x0000D110
ATOM0_CH2_CM1	0x0000D114

Address name	Address number
ATOM0_CH2_CN0	0x0000D118
ATOM0_CH2_STAT	0x0000D11C
ATOM0_CH2_IRQ_NOTIFY	0x0000D120
ATOM0_CH2_IRQ_EN	0x0000D124
ATOM0_CH2_IRQ_FORCINT	0x0000D128
ATOM0_CH2_IRQ_MODE	0x0000D12C
ATOM0_CH3_RDADDR	0x0000D180
ATOM0_CH3_CTRL	0x0000D184
ATOM0_CH3_SR0	0x0000D188
ATOM0_CH3_SR1	0x0000D18C
ATOM0_CH3_CM0	0x0000D190
ATOM0_CH3_CM1	0x0000D194
ATOM0_CH3_CN0	0x0000D198
ATOM0_CH3_STAT	0x0000D19C
ATOM0_CH3_IRQ_NOTIFY	0x0000D1A0
ATOM0_CH3_IRQ_EN	0x0000D1A4
ATOM0_CH3_IRQ_FORCINT	0x0000D1A8
ATOM0_CH3_IRQ_MODE	0x0000D1AC
ATOM0_CH4_RDADDR	0x0000D200
ATOM0_CH4_CTRL	0x0000D204
ATOM0_CH4_SR0	0x0000D208
ATOM0_CH4_SR1	0x0000D20C
ATOM0_CH4_CM0	0x0000D210
ATOM0_CH4_CM1	0x0000D214
ATOM0_CH4_CN0	0x0000D218
ATOM0_CH4_STAT	0x0000D21C
ATOM0_CH4_IRQ_NOTIFY	0x0000D220
ATOM0_CH4_IRQ_EN	0x0000D224
ATOM0_CH4_IRQ_FORCINT	0x0000D228
ATOM0_CH4_IRQ_MODE	0x0000D22C
ATOM0_CH5_RDADDR	0x0000D280
ATOM0_CH5_CTRL	0x0000D284
ATOM0_CH5_SR0	0x0000D288
ATOM0_CH5_SR1	0x0000D28C
ATOM0_CH5_CM0	0x0000D290
ATOM0_CH5_CM1	0x0000D294
ATOM0_CH5_CN0	0x0000D298
ATOM0_CH5_STAT	0x0000D29C

Address name	Address number
ATOM0_CH5_IRQ_NOTIFY	0x0000D2A0
ATOM0_CH5_IRQ_EN	0x0000D2A4
ATOM0_CH5_IRQ_FORCINT	0x0000D2A8
ATOM0_CH5_IRQ_MODE	0x0000D2AC
ATOM0_CH6_RDADDR	0x0000D300
ATOM0_CH6_CTRL	0x0000D304
ATOM0_CH6_SR0	0x0000D308
ATOM0_CH6_SR1	0x0000D30C
ATOM0_CH6_CM0	0x0000D310
ATOM0_CH6_CM1	0x0000D314
ATOM0_CH6_CN0	0x0000D318
ATOM0_CH6_STAT	0x0000D31C
ATOM0_CH6_IRQ_NOTIFY	0x0000D320
ATOM0_CH6_IRQ_EN	0x0000D324
ATOM0_CH6_IRQ_FORCINT	0x0000D328
ATOM0_CH6_IRQ_MODE	0x0000D32C
ATOM0_CH7_RDADDR	0x0000D380
ATOM0_CH7_CTRL	0x0000D384
ATOM0_CH7_SR0	0x0000D388
ATOM0_CH7_SR1	0x0000D38C
ATOM0_CH7_CM0	0x0000D390
ATOM0_CH7_CM1	0x0000D394
ATOM0_CH7_CN0	0x0000D398
ATOM0_CH7_STAT	0x0000D39C
ATOM0_CH7_IRQ_NOTIFY	0x0000D3A0
ATOM0_CH7_IRQ_EN	0x0000D3A4
ATOM0_CH7_IRQ_FORCINT	0x0000D3A8
ATOM0_CH7_IRQ_MODE	0x0000D3AC
ATOM1_CH0_RDADDR	0x0000D800
ATOM1_CH0_CTRL	0x0000D804
ATOM1_CH0_SR0	0x0000D808
ATOM1_CH0_SR1	0x0000D80C
ATOM1_CH0_CM0	0x0000D810
ATOM1_CH0_CM1	0x0000D814
ATOM1_CH0_CN0	0x0000D818
ATOM1_CH0_STAT	0x0000D81C
ATOM1_CH0_IRQ_NOTIFY	0x0000D820
ATOM1_CH0_IRQ_EN	0x0000D824

Address name	Address number
ATOM1_CH0_IRQ_FORCINT	0x0000D828
ATOM1_CH0_IRQ_MODE	0x0000D82C
ATOM1_AGC_GLB_CTRL	0x0000D840
ATOM1_AGC_ENDIS_CTRL	0x0000D844
ATOM1_AGC_ENDIS_STAT	0x0000D848
ATOM1_AGC_ACT_TB	0x0000D84C
ATOM1_AGC_OUTEN_CTRL	0x0000D850
ATOM1_AGC_OUTEN_STAT	0x0000D854
ATOM1_AGC_FUPD_CTRL	0x0000D858
ATOM1_AGC_INT_TRIG	0x0000D85C
ATOM1_CH1_RDADDR	0x0000D880
ATOM1_CH1_CTRL	0x0000D884
ATOM1_CH1_SR0	0x0000D888
ATOM1_CH1_SR1	0x0000D88C
ATOM1_CH1_CM0	0x0000D890
ATOM1_CH1_CM1	0x0000D894
ATOM1_CH1_CN0	0x0000D898
ATOM1_CH1_STAT	0x0000D89C
ATOM1_CH1_IRQ_NOTIFY	0x0000D8A0
ATOM1_CH1_IRQ_EN	0x0000D8A4
ATOM1_CH1_IRQ_FORCINT	0x0000D8A8
ATOM1_CH1_IRQ_MODE	0x0000D8AC
ATOM1_CH2_RDADDR	0x0000D900
ATOM1_CH2_CTRL	0x0000D904
ATOM1_CH2_SR0	0x0000D908
ATOM1_CH2_SR1	0x0000D90C
ATOM1_CH2_CM0	0x0000D910
ATOM1_CH2_CM1	0x0000D914
ATOM1_CH2_CN0	0x0000D918
ATOM1_CH2_STAT	0x0000D91C
ATOM1_CH2_IRQ_NOTIFY	0x0000D920
ATOM1_CH2_IRQ_EN	0x0000D924
ATOM1_CH2_IRQ_FORCINT	0x0000D928
ATOM1_CH2_IRQ_MODE	0x0000D92C
ATOM1_CH3_RDADDR	0x0000D980
ATOM1_CH3_CTRL	0x0000D984
ATOM1_CH3_SR0	0x0000D988
ATOM1_CH3_SR1	0x0000D98C

Address name	Address number
ATOM1_CH3_CM0	0x0000D990
ATOM1_CH3_CM1	0x0000D994
ATOM1_CH3_CN0	0x0000D998
ATOM1_CH3_STAT	0x0000D99C
ATOM1_CH3_IRQ_NOTIFY	0x0000D9A0
ATOM1_CH3_IRQ_EN	0x0000D9A4
ATOM1_CH3_IRQ_FORCINT	0x0000D9A8
ATOM1_CH3_IRQ_MODE	0x0000D9AC
ATOM1_CH4_RDADDR	0x0000DA00
ATOM1_CH4_CTRL	0x0000DA04
ATOM1_CH4_SR0	0x0000DA08
ATOM1_CH4_SR1	0x0000DA0C
ATOM1_CH4_CM0	0x0000DA10
ATOM1_CH4_CM1	0x0000DA14
ATOM1_CH4_CN0	0x0000DA18
ATOM1_CH4_STAT	0x0000DA1C
ATOM1_CH4_IRQ_NOTIFY	0x0000DA20
ATOM1_CH4_IRQ_EN	0x0000DA24
ATOM1_CH4_IRQ_FORCINT	0x0000DA28
ATOM1_CH4_IRQ_MODE	0x0000DA2C
ATOM1_CH5_RDADDR	0x0000DA80
ATOM1_CH5_CTRL	0x0000DA84
ATOM1_CH5_SR0	0x0000DA88
ATOM1_CH5_SR1	0x0000DA8C
ATOM1_CH5_CM0	0x0000DA90
ATOM1_CH5_CM1	0x0000DA94
ATOM1_CH5_CN0	0x0000DA98
ATOM1_CH5_STAT	0x0000DA9C
ATOM1_CH5_IRQ_NOTIFY	0x0000DAA0
ATOM1_CH5_IRQ_EN	0x0000DAA4
ATOM1_CH5_IRQ_FORCINT	0x0000DAA8
ATOM1_CH5_IRQ_MODE	0x0000DAAC
ATOM1_CH6_RDADDR	0x0000DB00
ATOM1_CH6_CTRL	0x0000DB04
ATOM1_CH6_SR0	0x0000DB08
ATOM1_CH6_SR1	0x0000DB0C
ATOM1_CH6_CM0	0x0000DB10
ATOM1_CH6_CM1	0x0000DB14

Address name	Address number
ATOM1_CH6_CN0	0x0000DB18
ATOM1_CH6_STAT	0x0000DB1C
ATOM1_CH6_IRQ_NOTIFY	0x0000DB20
ATOM1_CH6_IRQ_EN	0x0000DB24
ATOM1_CH6_IRQ_FORCINT	0x0000DB28
ATOM1_CH6_IRQ_MODE	0x0000DB2C
ATOM1_CH7_RDADDR	0x0000DB80
ATOM1_CH7_CTRL	0x0000DB84
ATOM1_CH7_SR0	0x0000DB88
ATOM1_CH7_SR1	0x0000DB8C
ATOM1_CH7_CM0	0x0000DB90
ATOM1_CH7_CM1	0x0000DB94
ATOM1_CH7_CN0	0x0000DB98
ATOM1_CH7_STAT	0x0000DB9C
ATOM1_CH7_IRQ_NOTIFY	0x0000DBA0
ATOM1_CH7_IRQ_EN	0x0000DBA4
ATOM1_CH7_IRQ_FORCINT	0x0000DBA8
ATOM1_CH7_IRQ_MODE	0x0000DBAC
ATOM2_CH0_RDADDR	0x0000E000
ATOM2_CH0_CTRL	0x0000E004
ATOM2_CH0_SR0	0x0000E008
ATOM2_CH0_SR1	0x0000E00C
ATOM2_CH0_CM0	0x0000E010
ATOM2_CH0_CM1	0x0000E014
ATOM2_CH0_CN0	0x0000E018
ATOM2_CH0_STAT	0x0000E01C
ATOM2_CH0_IRQ_NOTIFY	0x0000E020
ATOM2_CH0_IRQ_EN	0x0000E024
ATOM2_CH0_IRQ_FORCINT	0x0000E028
ATOM2_CH0_IRQ_MODE	0x0000E02C
ATOM2_AGC_GLB_CTRL	0x0000E040
ATOM2_AGC_ENDIS_CTRL	0x0000E044
ATOM2_AGC_ENDIS_STAT	0x0000E048
ATOM2_AGC_ACT_TB	0x0000E04C
ATOM2_AGC_OUTEN_CTRL	0x0000E050
ATOM2_AGC_OUTEN_STAT	0x0000E054
ATOM2_AGC_FUPD_CTRL	0x0000E058
ATOM2_AGC_INT_TRIG	0x0000E05C

Address name	Address number
ATOM2_CH1_RDADDR	0x0000E080
ATOM2_CH1_CTRL	0x0000E084
ATOM2_CH1_SR0	0x0000E088
ATOM2_CH1_SR1	0x0000E08C
ATOM2_CH1_CM0	0x0000E090
ATOM2_CH1_CM1	0x0000E094
ATOM2_CH1_CN0	0x0000E098
ATOM2_CH1_STAT	0x0000E09C
ATOM2_CH1_IRQ_NOTIFY	0x0000E0A0
ATOM2_CH1_IRQ_EN	0x0000E0A4
ATOM2_CH1_IRQ_FORCINT	0x0000E0A8
ATOM2_CH1_IRQ_MODE	0x0000E0AC
ATOM2_CH2_RDADDR	0x0000E100
ATOM2_CH2_CTRL	0x0000E104
ATOM2_CH2_SR0	0x0000E108
ATOM2_CH2_SR1	0x0000E10C
ATOM2_CH2_CM0	0x0000E110
ATOM2_CH2_CM1	0x0000E114
ATOM2_CH2_CN0	0x0000E118
ATOM2_CH2_STAT	0x0000E11C
ATOM2_CH2_IRQ_NOTIFY	0x0000E120
ATOM2_CH2_IRQ_EN	0x0000E124
ATOM2_CH2_IRQ_FORCINT	0x0000E128
ATOM2_CH2_IRQ_MODE	0x0000E12C
ATOM2_CH3_RDADDR	0x0000E180
ATOM2_CH3_CTRL	0x0000E184
ATOM2_CH3_SR0	0x0000E188
ATOM2_CH3_SR1	0x0000E18C
ATOM2_CH3_CM0	0x0000E190
ATOM2_CH3_CM1	0x0000E194
ATOM2_CH3_CN0	0x0000E198
ATOM2_CH3_STAT	0x0000E19C
ATOM2_CH3_IRQ_NOTIFY	0x0000E1A0
ATOM2_CH3_IRQ_EN	0x0000E1A4
ATOM2_CH3_IRQ_FORCINT	0x0000E1A8
ATOM2_CH3_IRQ_MODE	0x0000E1AC
ATOM2_CH4_RDADDR	0x0000E200
ATOM2_CH4_CTRL	0x0000E204

Address name	Address number
ATOM2_CH4_SR0	0x0000E208
ATOM2_CH4_SR1	0x0000E20C
ATOM2_CH4_CM0	0x0000E210
ATOM2_CH4_CM1	0x0000E214
ATOM2_CH4_CN0	0x0000E218
ATOM2_CH4_STAT	0x0000E21C
ATOM2_CH4_IRQ_NOTIFY	0x0000E220
ATOM2_CH4_IRQ_EN	0x0000E224
ATOM2_CH4_IRQ_FORCINT	0x0000E228
ATOM2_CH4_IRQ_MODE	0x0000E22C
ATOM2_CH5_RDADDR	0x0000E280
ATOM2_CH5_CTRL	0x0000E284
ATOM2_CH5_SR0	0x0000E288
ATOM2_CH5_SR1	0x0000E28C
ATOM2_CH5_CM0	0x0000E290
ATOM2_CH5_CM1	0x0000E294
ATOM2_CH5_CN0	0x0000E298
ATOM2_CH5_STAT	0x0000E29C
ATOM2_CH5_IRQ_NOTIFY	0x0000E2A0
ATOM2_CH5_IRQ_EN	0x0000E2A4
ATOM2_CH5_IRQ_FORCINT	0x0000E2A8
ATOM2_CH5_IRQ_MODE	0x0000E2AC
ATOM2_CH6_RDADDR	0x0000E300
ATOM2_CH6_CTRL	0x0000E304
ATOM2_CH6_SR0	0x0000E308
ATOM2_CH6_SR1	0x0000E30C
ATOM2_CH6_CM0	0x0000E310
ATOM2_CH6_CM1	0x0000E314
ATOM2_CH6_CN0	0x0000E318
ATOM2_CH6_STAT	0x0000E31C
ATOM2_CH6_IRQ_NOTIFY	0x0000E320
ATOM2_CH6_IRQ_EN	0x0000E324
ATOM2_CH6_IRQ_FORCINT	0x0000E328
ATOM2_CH6_IRQ_MODE	0x0000E32C
ATOM2_CH7_RDADDR	0x0000E380
ATOM2_CH7_CTRL	0x0000E384
ATOM2_CH7_SR0	0x0000E388
ATOM2_CH7_SR1	0x0000E38C

Address name	Address number
ATOM2_CH7_CM0	0x0000E390
ATOM2_CH7_CM1	0x0000E394
ATOM2_CH7_CN0	0x0000E398
ATOM2_CH7_STAT	0x0000E39C
ATOM2_CH7_IRQ_NOTIFY	0x0000E3A0
ATOM2_CH7_IRQ_EN	0x0000E3A4
ATOM2_CH7_IRQ_FORCINT	0x0000E3A8
ATOM2_CH7_IRQ_MODE	0x0000E3AC
ATOM3_CH0_RDADDR	0x0000E800
ATOM3_CH0_CTRL	0x0000E804
ATOM3_CH0_SR0	0x0000E808
ATOM3_CH0_SR1	0x0000E80C
ATOM3_CH0_CM0	0x0000E810
ATOM3_CH0_CM1	0x0000E814
ATOM3_CH0_CN0	0x0000E818
ATOM3_CH0_STAT	0x0000E81C
ATOM3_CH0_IRQ_NOTIFY	0x0000E820
ATOM3_CH0_IRQ_EN	0x0000E824
ATOM3_CH0_IRQ_FORCINT	0x0000E828
ATOM3_CH0_IRQ_MODE	0x0000E82C
ATOM3_AGC_GLB_CTRL	0x0000E840
ATOM3_AGC_ENDIS_CTRL	0x0000E844
ATOM3_AGC_ENDIS_STAT	0x0000E848
ATOM3_AGC_ACT_TB	0x0000E84C
ATOM3_AGC_OUTEN_CTRL	0x0000E850
ATOM3_AGC_OUTEN_STAT	0x0000E854
ATOM3_AGC_FUPD_CTRL	0x0000E858
ATOM3_AGC_INT_TRIG	0x0000E85C
ATOM3_CH1_RDADDR	0x0000E880
ATOM3_CH1_CTRL	0x0000E884
ATOM3_CH1_SR0	0x0000E888
ATOM3_CH1_SR1	0x0000E88C
ATOM3_CH1_CM0	0x0000E890
ATOM3_CH1_CM1	0x0000E894
ATOM3_CH1_CN0	0x0000E898
ATOM3_CH1_STAT	0x0000E89C
ATOM3_CH1_IRQ_NOTIFY	0x0000E8A0
ATOM3_CH1_IRQ_EN	0x0000E8A4

Address name	Address number
ATOM3_CH1_IRQ_FORCINT	0x0000E8A8
ATOM3_CH1_IRQ_MODE	0x0000E8AC
ATOM3_CH2_RDADDR	0x0000E900
ATOM3_CH2_CTRL	0x0000E904
ATOM3_CH2_SR0	0x0000E908
ATOM3_CH2_SR1	0x0000E90C
ATOM3_CH2_CM0	0x0000E910
ATOM3_CH2_CM1	0x0000E914
ATOM3_CH2_CN0	0x0000E918
ATOM3_CH2_STAT	0x0000E91C
ATOM3_CH2_IRQ_NOTIFY	0x0000E920
ATOM3_CH2_IRQ_EN	0x0000E924
ATOM3_CH2_IRQ_FORCINT	0x0000E928
ATOM3_CH2_IRQ_MODE	0x0000E92C
ATOM3_CH3_RDADDR	0x0000E980
ATOM3_CH3_CTRL	0x0000E984
ATOM3_CH3_SR0	0x0000E988
ATOM3_CH3_SR1	0x0000E98C
ATOM3_CH3_CM0	0x0000E990
ATOM3_CH3_CM1	0x0000E994
ATOM3_CH3_CN0	0x0000E998
ATOM3_CH3_STAT	0x0000E99C
ATOM3_CH3_IRQ_NOTIFY	0x0000E9A0
ATOM3_CH3_IRQ_EN	0x0000E9A4
ATOM3_CH3_IRQ_FORCINT	0x0000E9A8
ATOM3_CH3_IRQ_MODE	0x0000E9AC
ATOM3_CH4_RDADDR	0x0000EA00
ATOM3_CH4_CTRL	0x0000EA04
ATOM3_CH4_SR0	0x0000EA08
ATOM3_CH4_SR1	0x0000EA0C
ATOM3_CH4_CM0	0x0000EA10
ATOM3_CH4_CM1	0x0000EA14
ATOM3_CH4_CN0	0x0000EA18
ATOM3_CH4_STAT	0x0000EA1C
ATOM3_CH4_IRQ_NOTIFY	0x0000EA20
ATOM3_CH4_IRQ_EN	0x0000EA24
ATOM3_CH4_IRQ_FORCINT	0x0000EA28
ATOM3_CH4_IRQ_MODE	0x0000EA2C

Address name	Address number
ATOM3_CH5_RDADDR	0x0000EA80
ATOM3_CH5_CTRL	0x0000EA84
ATOM3_CH5_SR0	0x0000EA88
ATOM3_CH5_SR1	0x0000EA8C
ATOM3_CH5_CM0	0x0000EA90
ATOM3_CH5_CM1	0x0000EA94
ATOM3_CH5_CN0	0x0000EA98
ATOM3_CH5_STAT	0x0000EA9C
ATOM3_CH5_IRQ_NOTIFY	0x0000EAA0
ATOM3_CH5_IRQ_EN	0x0000EAA4
ATOM3_CH5_IRQ_FORCINT	0x0000EAA8
ATOM3_CH5_IRQ_MODE	0x0000EAAC
ATOM3_CH6_RDADDR	0x0000EB00
ATOM3_CH6_CTRL	0x0000EB04
ATOM3_CH6_SR0	0x0000EB08
ATOM3_CH6_SR1	0x0000EB0C
ATOM3_CH6_CM0	0x0000EB10
ATOM3_CH6_CM1	0x0000EB14
ATOM3_CH6_CN0	0x0000EB18
ATOM3_CH6_STAT	0x0000EB1C
ATOM3_CH6_IRQ_NOTIFY	0x0000EB20
ATOM3_CH6_IRQ_EN	0x0000EB24
ATOM3_CH6_IRQ_FORCINT	0x0000EB28
ATOM3_CH6_IRQ_MODE	0x0000EB2C
ATOM3_CH7_RDADDR	0x0000EB80
ATOM3_CH7_CTRL	0x0000EB84
ATOM3_CH7_SR0	0x0000EB88
ATOM3_CH7_SR1	0x0000EB8C
ATOM3_CH7_CM0	0x0000EB90
ATOM3_CH7_CM1	0x0000EB94
ATOM3_CH7_CN0	0x0000EB98
ATOM3_CH7_STAT	0x0000EB9C
ATOM3_CH7_IRQ_NOTIFY	0x0000EBA0
ATOM3_CH7_IRQ_EN	0x0000EBA4
ATOM3_CH7_IRQ_FORCINT	0x0000EBA8
ATOM3_CH7_IRQ_MODE	0x0000EBAC
ATOM4_CH0_RDADDR	0x0000F000
ATOM4_CH0_CTRL	0x0000F004

Address name	Address number
ATOM4_CH0_SR0	0x0000F008
ATOM4_CH0_SR1	0x0000F00C
ATOM4_CH0_CM0	0x0000F010
ATOM4_CH0_CM1	0x0000F014
ATOM4_CH0_CN0	0x0000F018
ATOM4_CH0_STAT	0x0000F01C
ATOM4_CH0_IRQ_NOTIFY	0x0000F020
ATOM4_CH0_IRQ_EN	0x0000F024
ATOM4_CH0_IRQ_FORCINT	0x0000F028
ATOM4_CH0_IRQ_MODE	0x0000F02C
ATOM4_AGC_GLB_CTRL	0x0000F040
ATOM4_AGC_ENDIS_CTRL	0x0000F044
ATOM4_AGC_ENDIS_STAT	0x0000F048
ATOM4_AGC_ACT_TB	0x0000F04C
ATOM4_AGC_OUTEN_CTRL	0x0000F050
ATOM4_AGC_OUTEN_STAT	0x0000F054
ATOM4_AGC_FUPD_CTRL	0x0000F058
ATOM4_AGC_INT_TRIG	0x0000F05C
ATOM4_CH1_RDADDR	0x0000F080
ATOM4_CH1_CTRL	0x0000F084
ATOM4_CH1_SR0	0x0000F088
ATOM4_CH1_SR1	0x0000F08C
ATOM4_CH1_CM0	0x0000F090
ATOM4_CH1_CM1	0x0000F094
ATOM4_CH1_CN0	0x0000F098
ATOM4_CH1_STAT	0x0000F09C
ATOM4_CH1_IRQ_NOTIFY	0x0000F0A0
ATOM4_CH1_IRQ_EN	0x0000F0A4
ATOM4_CH1_IRQ_FORCINT	0x0000F0A8
ATOM4_CH1_IRQ_MODE	0x0000F0AC
ATOM4_CH2_RDADDR	0x0000F100
ATOM4_CH2_CTRL	0x0000F104
ATOM4_CH2_SR0	0x0000F108
ATOM4_CH2_SR1	0x0000F10C
ATOM4_CH2_CM0	0x0000F110
ATOM4_CH2_CM1	0x0000F114
ATOM4_CH2_CN0	0x0000F118
ATOM4_CH2_STAT	0x0000F11C

Address name	Address number
ATOM4_CH2_IRQ_NOTIFY	0x0000F120
ATOM4_CH2_IRQ_EN	0x0000F124
ATOM4_CH2_IRQ_FORCINT	0x0000F128
ATOM4_CH2_IRQ_MODE	0x0000F12C
ATOM4_CH3_RDADDR	0x0000F180
ATOM4_CH3_CTRL	0x0000F184
ATOM4_CH3_SR0	0x0000F188
ATOM4_CH3_SR1	0x0000F18C
ATOM4_CH3_CM0	0x0000F190
ATOM4_CH3_CM1	0x0000F194
ATOM4_CH3_CN0	0x0000F198
ATOM4_CH3_STAT	0x0000F19C
ATOM4_CH3_IRQ_NOTIFY	0x0000F1A0
ATOM4_CH3_IRQ_EN	0x0000F1A4
ATOM4_CH3_IRQ_FORCINT	0x0000F1A8
ATOM4_CH3_IRQ_MODE	0x0000F1AC
ATOM4_CH4_RDADDR	0x0000F200
ATOM4_CH4_CTRL	0x0000F204
ATOM4_CH4_SR0	0x0000F208
ATOM4_CH4_SR1	0x0000F20C
ATOM4_CH4_CM0	0x0000F210
ATOM4_CH4_CM1	0x0000F214
ATOM4_CH4_CN0	0x0000F218
ATOM4_CH4_STAT	0x0000F21C
ATOM4_CH4_IRQ_NOTIFY	0x0000F220
ATOM4_CH4_IRQ_EN	0x0000F224
ATOM4_CH4_IRQ_FORCINT	0x0000F228
ATOM4_CH4_IRQ_MODE	0x0000F22C
ATOM4_CH5_RDADDR	0x0000F280
ATOM4_CH5_CTRL	0x0000F284
ATOM4_CH5_SR0	0x0000F288
ATOM4_CH5_SR1	0x0000F28C
ATOM4_CH5_CM0	0x0000F290
ATOM4_CH5_CM1	0x0000F294
ATOM4_CH5_CN0	0x0000F298
ATOM4_CH5_STAT	0x0000F29C
ATOM4_CH5_IRQ_NOTIFY	0x0000F2A0
ATOM4_CH5_IRQ_EN	0x0000F2A4

Address name	Address number
ATOM4_CH5_IRQ_FORCINT	0x0000F2A8
ATOM4_CH5_IRQ_MODE	0x0000F2AC
ATOM4_CH6_RDADDR	0x0000F300
ATOM4_CH6_CTRL	0x0000F304
ATOM4_CH6_SR0	0x0000F308
ATOM4_CH6_SR1	0x0000F30C
ATOM4_CH6_CM0	0x0000F310
ATOM4_CH6_CM1	0x0000F314
ATOM4_CH6_CN0	0x0000F318
ATOM4_CH6_STAT	0x0000F31C
ATOM4_CH6_IRQ_NOTIFY	0x0000F320
ATOM4_CH6_IRQ_EN	0x0000F324
ATOM4_CH6_IRQ_FORCINT	0x0000F328
ATOM4_CH6_IRQ_MODE	0x0000F32C
ATOM4_CH7_RDADDR	0x0000F380
ATOM4_CH7_CTRL	0x0000F384
ATOM4_CH7_SR0	0x0000F388
ATOM4_CH7_SR1	0x0000F38C
ATOM4_CH7_CM0	0x0000F390
ATOM4_CH7_CM1	0x0000F394
ATOM4_CH7_CN0	0x0000F398
ATOM4_CH7_STAT	0x0000F39C
ATOM4_CH7_IRQ_NOTIFY	0x0000F3A0
ATOM4_CH7_IRQ_EN	0x0000F3A4
ATOM4_CH7_IRQ_FORCINT	0x0000F3A8
ATOM4_CH7_IRQ_MODE	0x0000F3AC
ATOM5_CH0_RDADDR	0x0000F800
ATOM5_CH0_CTRL	0x0000F804
ATOM5_CH0_SR0	0x0000F808
ATOM5_CH0_SR1	0x0000F80C
ATOM5_CH0_CM0	0x0000F810
ATOM5_CH0_CM1	0x0000F814
ATOM5_CH0_CN0	0x0000F818
ATOM5_CH0_STAT	0x0000F81C
ATOM5_CH0_IRQ_NOTIFY	0x0000F820
ATOM5_CH0_IRQ_EN	0x0000F824
ATOM5_CH0_IRQ_FORCINT	0x0000F828
ATOM5_CH0_IRQ_MODE	0x0000F82C

Address name	Address number
ATOM5_AGC_GLB_CTRL	0x0000F840
ATOM5_AGC_ENDIS_CTRL	0x0000F844
ATOM5_AGC_ENDIS_STAT	0x0000F848
ATOM5_AGC_ACT_TB	0x0000F84C
ATOM5_AGC_OUTEN_CTRL	0x0000F850
ATOM5_AGC_OUTEN_STAT	0x0000F854
ATOM5_AGC_FUPD_CTRL	0x0000F858
ATOM5_AGC_INT_TRIG	0x0000F85C
ATOM5_CH1_RDADDR	0x0000F880
ATOM5_CH1_CTRL	0x0000F884
ATOM5_CH1_SR0	0x0000F888
ATOM5_CH1_SR1	0x0000F88C
ATOM5_CH1_CM0	0x0000F890
ATOM5_CH1_CM1	0x0000F894
ATOM5_CH1_CN0	0x0000F898
ATOM5_CH1_STAT	0x0000F89C
ATOM5_CH1_IRQ_NOTIFY	0x0000F8A0
ATOM5_CH1_IRQ_EN	0x0000F8A4
ATOM5_CH1_IRQ_FORCINT	0x0000F8A8
ATOM5_CH1_IRQ_MODE	0x0000F8AC
ATOM5_CH2_RDADDR	0x0000F900
ATOM5_CH2_CTRL	0x0000F904
ATOM5_CH2_SR0	0x0000F908
ATOM5_CH2_SR1	0x0000F90C
ATOM5_CH2_CM0	0x0000F910
ATOM5_CH2_CM1	0x0000F914
ATOM5_CH2_CN0	0x0000F918
ATOM5_CH2_STAT	0x0000F91C
ATOM5_CH2_IRQ_NOTIFY	0x0000F920
ATOM5_CH2_IRQ_EN	0x0000F924
ATOM5_CH2_IRQ_FORCINT	0x0000F928
ATOM5_CH2_IRQ_MODE	0x0000F92C
ATOM5_CH3_RDADDR	0x0000F980
ATOM5_CH3_CTRL	0x0000F984
ATOM5_CH3_SR0	0x0000F988
ATOM5_CH3_SR1	0x0000F98C
ATOM5_CH3_CM0	0x0000F990
ATOM5_CH3_CM1	0x0000F994

Address name	Address number
ATOM5_CH3_CN0	0x0000F998
ATOM5_CH3_STAT	0x0000F99C
ATOM5_CH3_IRQ_NOTIFY	0x0000F9A0
ATOM5_CH3_IRQ_EN	0x0000F9A4
ATOM5_CH3_IRQ_FORCINT	0x0000F9A8
ATOM5_CH3_IRQ_MODE	0x0000F9AC
ATOM5_CH4_RDADDR	0x0000FA00
ATOM5_CH4_CTRL	0x0000FA04
ATOM5_CH4_SR0	0x0000FA08
ATOM5_CH4_SR1	0x0000FA0C
ATOM5_CH4_CM0	0x0000FA10
ATOM5_CH4_CM1	0x0000FA14
ATOM5_CH4_CN0	0x0000FA18
ATOM5_CH4_STAT	0x0000FA1C
ATOM5_CH4_IRQ_NOTIFY	0x0000FA20
ATOM5_CH4_IRQ_EN	0x0000FA24
ATOM5_CH4_IRQ_FORCINT	0x0000FA28
ATOM5_CH4_IRQ_MODE	0x0000FA2C
ATOM5_CH5_RDADDR	0x0000FA80
ATOM5_CH5_CTRL	0x0000FA84
ATOM5_CH5_SR0	0x0000FA88
ATOM5_CH5_SR1	0x0000FA8C
ATOM5_CH5_CM0	0x0000FA90
ATOM5_CH5_CM1	0x0000FA94
ATOM5_CH5_CN0	0x0000FA98
ATOM5_CH5_STAT	0x0000FA9C
ATOM5_CH5_IRQ_NOTIFY	0x0000FAA0
ATOM5_CH5_IRQ_EN	0x0000FAA4
ATOM5_CH5_IRQ_FORCINT	0x0000FAA8
ATOM5_CH5_IRQ_MODE	0x0000FAAC
ATOM5_CH6_RDADDR	0x0000FB00
ATOM5_CH6_CTRL	0x0000FB04
ATOM5_CH6_SR0	0x0000FB08
ATOM5_CH6_SR1	0x0000FB0C
ATOM5_CH6_CM0	0x0000FB10
ATOM5_CH6_CM1	0x0000FB14
ATOM5_CH6_CN0	0x0000FB18
ATOM5_CH6_STAT	0x0000FB1C

Address name	Address number
ATOM5_CH6_IRQ_NOTIFY	0x0000FB20
ATOM5_CH6_IRQ_EN	0x0000FB24
ATOM5_CH6_IRQ_FORCINT	0x0000FB28
ATOM5_CH6_IRQ_MODE	0x0000FB2C
ATOM5_CH7_RDADDR	0x0000FB80
ATOM5_CH7_CTRL	0x0000FB84
ATOM5_CH7_SR0	0x0000FB88
ATOM5_CH7_SR1	0x0000FB8C
ATOM5_CH7_CM0	0x0000FB90
ATOM5_CH7_CM1	0x0000FB94
ATOM5_CH7_CN0	0x0000FB98
ATOM5_CH7_STAT	0x0000FB9C
ATOM5_CH7_IRQ_NOTIFY	0x0000FBA0
ATOM5_CH7_IRQ_EN	0x0000FBA4
ATOM5_CH7_IRQ_FORCINT	0x0000FBA8
ATOM5_CH7_IRQ_MODE	0x0000FBAC
ATOM6_CH0_RDADDR	0x00010000
ATOM6_CH0_CTRL	0x00010004
ATOM6_CH0_SR0	0x00010008
ATOM6_CH0_SR1	0x0001000C
ATOM6_CH0_CM0	0x00010010
ATOM6_CH0_CM1	0x00010014
ATOM6_CH0_CN0	0x00010018
ATOM6_CH0_STAT	0x0001001C
ATOM6_CH0_IRQ_NOTIFY	0x00010020
ATOM6_CH0_IRQ_EN	0x00010024
ATOM6_CH0_IRQ_FORCINT	0x00010028
ATOM6_CH0_IRQ_MODE	0x0001002C
ATOM6_AGC_GLB_CTRL	0x00010040
ATOM6_AGC_ENDIS_CTRL	0x00010044
ATOM6_AGC_ENDIS_STAT	0x00010048
ATOM6_AGC_ACT_TB	0x0001004C
ATOM6_AGC_OUTEN_CTRL	0x00010050
ATOM6_AGC_OUTEN_STAT	0x00010054
ATOM6_AGC_FUPD_CTRL	0x00010058
ATOM6_AGC_INT_TRIG	0x0001005C
ATOM6_CH1_RDADDR	0x00010080
ATOM6_CH1_CTRL	0x00010084

Address name	Address number
ATOM6_CH1_SR0	0x00010088
ATOM6_CH1_SR1	0x0001008C
ATOM6_CH1_CM0	0x00010090
ATOM6_CH1_CM1	0x00010094
ATOM6_CH1_CN0	0x00010098
ATOM6_CH1_STAT	0x0001009C
ATOM6_CH1_IRQ_NOTIFY	0x000100A0
ATOM6_CH1_IRQ_EN	0x000100A4
ATOM6_CH1_IRQ_FORCINT	0x000100A8
ATOM6_CH1_IRQ_MODE	0x000100AC
ATOM6_CH2_RDADDR	0x00010100
ATOM6_CH2_CTRL	0x00010104
ATOM6_CH2_SR0	0x00010108
ATOM6_CH2_SR1	0x0001010C
ATOM6_CH2_CM0	0x00010110
ATOM6_CH2_CM1	0x00010114
ATOM6_CH2_CN0	0x00010118
ATOM6_CH2_STAT	0x0001011C
ATOM6_CH2_IRQ_NOTIFY	0x00010120
ATOM6_CH2_IRQ_EN	0x00010124
ATOM6_CH2_IRQ_FORCINT	0x00010128
ATOM6_CH2_IRQ_MODE	0x0001012C
ATOM6_CH3_RDADDR	0x00010180
ATOM6_CH3_CTRL	0x00010184
ATOM6_CH3_SR0	0x00010188
ATOM6_CH3_SR1	0x0001018C
ATOM6_CH3_CM0	0x00010190
ATOM6_CH3_CM1	0x00010194
ATOM6_CH3_CN0	0x00010198
ATOM6_CH3_STAT	0x0001019C
ATOM6_CH3_IRQ_NOTIFY	0x000101A0
ATOM6_CH3_IRQ_EN	0x000101A4
ATOM6_CH3_IRQ_FORCINT	0x000101A8
ATOM6_CH3_IRQ_MODE	0x000101AC
ATOM6_CH4_RDADDR	0x00010200
ATOM6_CH4_CTRL	0x00010204
ATOM6_CH4_SR0	0x00010208
ATOM6_CH4_SR1	0x0001020C

Address name	Address number
ATOM6_CH4_CM0	0x00010210
ATOM6_CH4_CM1	0x00010214
ATOM6_CH4_CN0	0x00010218
ATOM6_CH4_STAT	0x0001021C
ATOM6_CH4_IRQ_NOTIFY	0x00010220
ATOM6_CH4_IRQ_EN	0x00010224
ATOM6_CH4_IRQ_FORCINT	0x00010228
ATOM6_CH4_IRQ_MODE	0x0001022C
ATOM6_CH5_RDADDR	0x00010280
ATOM6_CH5_CTRL	0x00010284
ATOM6_CH5_SR0	0x00010288
ATOM6_CH5_SR1	0x0001028C
ATOM6_CH5_CM0	0x00010290
ATOM6_CH5_CM1	0x00010294
ATOM6_CH5_CN0	0x00010298
ATOM6_CH5_STAT	0x0001029C
ATOM6_CH5_IRQ_NOTIFY	0x000102A0
ATOM6_CH5_IRQ_EN	0x000102A4
ATOM6_CH5_IRQ_FORCINT	0x000102A8
ATOM6_CH5_IRQ_MODE	0x000102AC
ATOM6_CH6_RDADDR	0x00010300
ATOM6_CH6_CTRL	0x00010304
ATOM6_CH6_SR0	0x00010308
ATOM6_CH6_SR1	0x0001030C
ATOM6_CH6_CM0	0x00010310
ATOM6_CH6_CM1	0x00010314
ATOM6_CH6_CN0	0x00010318
ATOM6_CH6_STAT	0x0001031C
ATOM6_CH6_IRQ_NOTIFY	0x00010320
ATOM6_CH6_IRQ_EN	0x00010324
ATOM6_CH6_IRQ_FORCINT	0x00010328
ATOM6_CH6_IRQ_MODE	0x0001032C
ATOM6_CH7_RDADDR	0x00010380
ATOM6_CH7_CTRL	0x00010384
ATOM6_CH7_SR0	0x00010388
ATOM6_CH7_SR1	0x0001038C
ATOM6_CH7_CM0	0x00010390
ATOM6_CH7_CM1	0x00010394

Address name	Address number
ATOM6_CH7_CN0	0x00010398
ATOM6_CH7_STAT	0x0001039C
ATOM6_CH7_IRQ_NOTIFY	0x000103A0
ATOM6_CH7_IRQ_EN	0x000103A4
ATOM6_CH7_IRQ_FORCINT	0x000103A8
ATOM6_CH7_IRQ_MODE	0x000103AC
ATOM7_CH0_RDADDR	0x00010800
ATOM7_CH0_CTRL	0x00010804
ATOM7_CH0_SR0	0x00010808
ATOM7_CH0_SR1	0x0001080C
ATOM7_CH0_CM0	0x00010810
ATOM7_CH0_CM1	0x00010814
ATOM7_CH0_CN0	0x00010818
ATOM7_CH0_STAT	0x0001081C
ATOM7_CH0_IRQ_NOTIFY	0x00010820
ATOM7_CH0_IRQ_EN	0x00010824
ATOM7_CH0_IRQ_FORCINT	0x00010828
ATOM7_CH0_IRQ_MODE	0x0001082C
ATOM7_AGC_GLB_CTRL	0x00010840
ATOM7_AGC_ENDIS_CTRL	0x00010844
ATOM7_AGC_ENDIS_STAT	0x00010848
ATOM7_AGC_ACT_TB	0x0001084C
ATOM7_AGC_OUTEN_CTRL	0x00010850
ATOM7_AGC_OUTEN_STAT	0x00010854
ATOM7_AGC_FUPD_CTRL	0x00010858
ATOM7_AGC_INT_TRIG	0x0001085C
ATOM7_CH1_RDADDR	0x00010880
ATOM7_CH1_CTRL	0x00010884
ATOM7_CH1_SR0	0x00010888
ATOM7_CH1_SR1	0x0001088C
ATOM7_CH1_CM0	0x00010890
ATOM7_CH1_CM1	0x00010894
ATOM7_CH1_CN0	0x00010898
ATOM7_CH1_STAT	0x0001089C
ATOM7_CH1_IRQ_NOTIFY	0x000108A0
ATOM7_CH1_IRQ_EN	0x000108A4
ATOM7_CH1_IRQ_FORCINT	0x000108A8
ATOM7_CH1_IRQ_MODE	0x000108AC

Address name	Address number
ATOM7_CH2_RDADDR	0x00010900
ATOM7_CH2_CTRL	0x00010904
ATOM7_CH2_SR0	0x00010908
ATOM7_CH2_SR1	0x0001090C
ATOM7_CH2_CM0	0x00010910
ATOM7_CH2_CM1	0x00010914
ATOM7_CH2_CN0	0x00010918
ATOM7_CH2_STAT	0x0001091C
ATOM7_CH2_IRQ_NOTIFY	0x00010920
ATOM7_CH2_IRQ_EN	0x00010924
ATOM7_CH2_IRQ_FORCINT	0x00010928
ATOM7_CH2_IRQ_MODE	0x0001092C
ATOM7_CH3_RDADDR	0x00010980
ATOM7_CH3_CTRL	0x00010984
ATOM7_CH3_SR0	0x00010988
ATOM7_CH3_SR1	0x0001098C
ATOM7_CH3_CM0	0x00010990
ATOM7_CH3_CM1	0x00010994
ATOM7_CH3_CN0	0x00010998
ATOM7_CH3_STAT	0x0001099C
ATOM7_CH3_IRQ_NOTIFY	0x000109A0
ATOM7_CH3_IRQ_EN	0x000109A4
ATOM7_CH3_IRQ_FORCINT	0x000109A8
ATOM7_CH3_IRQ_MODE	0x000109AC
ATOM7_CH4_RDADDR	0x00010A00
ATOM7_CH4_CTRL	0x00010A04
ATOM7_CH4_SR0	0x00010A08
ATOM7_CH4_SR1	0x00010A0C
ATOM7_CH4_CM0	0x00010A10
ATOM7_CH4_CM1	0x00010A14
ATOM7_CH4_CN0	0x00010A18
ATOM7_CH4_STAT	0x00010A1C
ATOM7_CH4_IRQ_NOTIFY	0x00010A20
ATOM7_CH4_IRQ_EN	0x00010A24
ATOM7_CH4_IRQ_FORCINT	0x00010A28
ATOM7_CH4_IRQ_MODE	0x00010A2C
ATOM7_CH5_RDADDR	0x00010A80
ATOM7_CH5_CTRL	0x00010A84

Address name	Address number
ATOM7_CH5_SR0	0x00010A88
ATOM7_CH5_SR1	0x00010A8C
ATOM7_CH5_CM0	0x00010A90
ATOM7_CH5_CM1	0x00010A94
ATOM7_CH5_CN0	0x00010A98
ATOM7_CH5_STAT	0x00010A9C
ATOM7_CH5_IRQ_NOTIFY	0x00010AA0
ATOM7_CH5_IRQ_EN	0x00010AA4
ATOM7_CH5_IRQ_FORCINT	0x00010AA8
ATOM7_CH5_IRQ_MODE	0x00010AAC
ATOM7_CH6_RDADDR	0x00010B00
ATOM7_CH6_CTRL	0x00010B04
ATOM7_CH6_SR0	0x00010B08
ATOM7_CH6_SR1	0x00010B0C
ATOM7_CH6_CM0	0x00010B10
ATOM7_CH6_CM1	0x00010B14
ATOM7_CH6_CN0	0x00010B18
ATOM7_CH6_STAT	0x00010B1C
ATOM7_CH6_IRQ_NOTIFY	0x00010B20
ATOM7_CH6_IRQ_EN	0x00010B24
ATOM7_CH6_IRQ_FORCINT	0x00010B28
ATOM7_CH6_IRQ_MODE	0x00010B2C
ATOM7_CH7_RDADDR	0x00010B80
ATOM7_CH7_CTRL	0x00010B84
ATOM7_CH7_SR0	0x00010B88
ATOM7_CH7_SR1	0x00010B8C
ATOM7_CH7_CM0	0x00010B90
ATOM7_CH7_CM1	0x00010B94
ATOM7_CH7_CN0	0x00010B98
ATOM7_CH7_STAT	0x00010B9C
ATOM7_CH7_IRQ_NOTIFY	0x00010BA0
ATOM7_CH7_IRQ_EN	0x00010BA4
ATOM7_CH7_IRQ_FORCINT	0x00010BA8
ATOM7_CH7_IRQ_MODE	0x00010BAC
ATOM8_CH0_RDADDR	0x00011000
ATOM8_CH0_CTRL	0x00011004
ATOM8_CH0_SR0	0x00011008
ATOM8_CH0_SR1	0x0001100C

Address name	Address number
ATOM8_CH0_CM0	0x00011010
ATOM8_CH0_CM1	0x00011014
ATOM8_CH0_CN0	0x00011018
ATOM8_CH0_STAT	0x0001101C
ATOM8_CH0_IRQ_NOTIFY	0x00011020
ATOM8_CH0_IRQ_EN	0x00011024
ATOM8_CH0_IRQ_FORCINT	0x00011028
ATOM8_CH0_IRQ_MODE	0x0001102C
ATOM8_AGC_GLB_CTRL	0x00011040
ATOM8_AGC_ENDIS_CTRL	0x00011044
ATOM8_AGC_ENDIS_STAT	0x00011048
ATOM8_AGC_ACT_TB	0x0001104C
ATOM8_AGC_OUTEN_CTRL	0x00011050
ATOM8_AGC_OUTEN_STAT	0x00011054
ATOM8_AGC_FUPD_CTRL	0x00011058
ATOM8_AGC_INT_TRIG	0x0001105C
ATOM8_CH1_RDADDR	0x00011080
ATOM8_CH1_CTRL	0x00011084
ATOM8_CH1_SR0	0x00011088
ATOM8_CH1_SR1	0x0001108C
ATOM8_CH1_CM0	0x00011090
ATOM8_CH1_CM1	0x00011094
ATOM8_CH1_CN0	0x00011098
ATOM8_CH1_STAT	0x0001109C
ATOM8_CH1_IRQ_NOTIFY	0x000110A0
ATOM8_CH1_IRQ_EN	0x000110A4
ATOM8_CH1_IRQ_FORCINT	0x000110A8
ATOM8_CH1_IRQ_MODE	0x000110AC
ATOM8_CH2_RDADDR	0x00011100
ATOM8_CH2_CTRL	0x00011104
ATOM8_CH2_SR0	0x00011108
ATOM8_CH2_SR1	0x0001110C
ATOM8_CH2_CM0	0x00011110
ATOM8_CH2_CM1	0x00011114
ATOM8_CH2_CN0	0x00011118
ATOM8_CH2_STAT	0x0001111C
ATOM8_CH2_IRQ_NOTIFY	0x00011120
ATOM8_CH2_IRQ_EN	0x00011124

Address name	Address number
ATOM8_CH2_IRQ_FORCINT	0x00011128
ATOM8_CH2_IRQ_MODE	0x0001112C
ATOM8_CH3_RDADDR	0x00011180
ATOM8_CH3_CTRL	0x00011184
ATOM8_CH3_SR0	0x00011188
ATOM8_CH3_SR1	0x0001118C
ATOM8_CH3_CM0	0x00011190
ATOM8_CH3_CM1	0x00011194
ATOM8_CH3_CN0	0x00011198
ATOM8_CH3_STAT	0x0001119C
ATOM8_CH3_IRQ_NOTIFY	0x000111A0
ATOM8_CH3_IRQ_EN	0x000111A4
ATOM8_CH3_IRQ_FORCINT	0x000111A8
ATOM8_CH3_IRQ_MODE	0x000111AC
ATOM8_CH4_RDADDR	0x00011200
ATOM8_CH4_CTRL	0x00011204
ATOM8_CH4_SR0	0x00011208
ATOM8_CH4_SR1	0x0001120C
ATOM8_CH4_CM0	0x00011210
ATOM8_CH4_CM1	0x00011214
ATOM8_CH4_CN0	0x00011218
ATOM8_CH4_STAT	0x0001121C
ATOM8_CH4_IRQ_NOTIFY	0x00011220
ATOM8_CH4_IRQ_EN	0x00011224
ATOM8_CH4_IRQ_FORCINT	0x00011228
ATOM8_CH4_IRQ_MODE	0x0001122C
ATOM8_CH5_RDADDR	0x00011280
ATOM8_CH5_CTRL	0x00011284
ATOM8_CH5_SR0	0x00011288
ATOM8_CH5_SR1	0x0001128C
ATOM8_CH5_CM0	0x00011290
ATOM8_CH5_CM1	0x00011294
ATOM8_CH5_CN0	0x00011298
ATOM8_CH5_STAT	0x0001129C
ATOM8_CH5_IRQ_NOTIFY	0x000112A0
ATOM8_CH5_IRQ_EN	0x000112A4
ATOM8_CH5_IRQ_FORCINT	0x000112A8
ATOM8_CH5_IRQ_MODE	0x000112AC

Address name	Address number
ATOM8_CH6_RDADDR	0x00011300
ATOM8_CH6_CTRL	0x00011304
ATOM8_CH6_SR0	0x00011308
ATOM8_CH6_SR1	0x0001130C
ATOM8_CH6_CM0	0x00011310
ATOM8_CH6_CM1	0x00011314
ATOM8_CH6_CN0	0x00011318
ATOM8_CH6_STAT	0x0001131C
ATOM8_CH6_IRQ_NOTIFY	0x00011320
ATOM8_CH6_IRQ_EN	0x00011324
ATOM8_CH6_IRQ_FORCINT	0x00011328
ATOM8_CH6_IRQ_MODE	0x0001132C
ATOM8_CH7_RDADDR	0x00011380
ATOM8_CH7_CTRL	0x00011384
ATOM8_CH7_SR0	0x00011388
ATOM8_CH7_SR1	0x0001138C
ATOM8_CH7_CM0	0x00011390
ATOM8_CH7_CM1	0x00011394
ATOM8_CH7_CN0	0x00011398
ATOM8_CH7_STAT	0x0001139C
ATOM8_CH7_IRQ_NOTIFY	0x000113A0
ATOM8_CH7_IRQ_EN	0x000113A4
ATOM8_CH7_IRQ_FORCINT	0x000113A8
ATOM8_CH7_IRQ_MODE	0x000113AC
F2A0_CH0_ARU_RD_FIFO	0x00018000
F2A0_CH1_ARU_RD_FIFO	0x00018004
F2A0_CH2_ARU_RD_FIFO	0x00018008
F2A0_CH3_ARU_RD_FIFO	0x0001800C
F2A0_CH4_ARU_RD_FIFO	0x00018010
F2A0_CH5_ARU_RD_FIFO	0x00018014
F2A0_CH6_ARU_RD_FIFO	0x00018018
F2A0_CH7_ARU_RD_FIFO	0x0001801C
F2A0_CH0_STR_CFG	0x00018020
F2A0_CH1_STR_CFG	0x00018024
F2A0_CH2_STR_CFG	0x00018028
F2A0_CH3_STR_CFG	0x0001802C
F2A0_CH4_STR_CFG	0x00018030
F2A0_CH5_STR_CFG	0x00018034

Address name	Address number
F2A0_CH6_STR_CFG	0x00018038
F2A0_CH7_STR_CFG	0x0001803C
F2A0_ENABLE	0x00018040
AFD0_CH0_BUF_ACC	0x00018080
AFD0_CH1_BUF_ACC	0x00018090
AFD0_CH2_BUF_ACC	0x000180A0
AFD0_CH3_BUF_ACC	0x000180B0
AFD0_CH4_BUF_ACC	0x000180C0
AFD0_CH5_BUF_ACC	0x000180D0
AFD0_CH6_BUF_ACC	0x000180E0
AFD0_CH7_BUF_ACC	0x000180F0
FIFO0_CH0_CTRL	0x00018400
FIFO0_CH0_END_ADDR	0x00018404
FIFO0_CH0_START_ADDR	0x00018408
FIFO0_CH0_UPPER_WM	0x0001840C
FIFO0_CH0_LOWER_WM	0x00018410
FIFO0_CH0_STATUS	0x00018414
FIFO0_CH0_FILL_LEVEL	0x00018418
FIFO0_CH0_WR_PTR	0x0001841C
FIFO0_CH0_RD_PTR	0x00018420
FIFO0_CH0_IRQ_NOTIFY	0x00018424
FIFO0_CH0_IRQ_EN	0x00018428
FIFO0_CH0_IRQ_FORCINT	0x0001842C
FIFO0_CH0_IRQ_MODE	0x00018430
FIFO0_CH0_EIRQ_EN	0x00018434
FIFO0_CH1_CTRL	0x00018440
FIFO0_CH1_END_ADDR	0x00018444
FIFO0_CH1_START_ADDR	0x00018448
FIFO0_CH1_UPPER_WM	0x0001844C
FIFO0_CH1_LOWER_WM	0x00018450
FIFO0_CH1_STATUS	0x00018454
FIFO0_CH1_FILL_LEVEL	0x00018458
FIFO0_CH1_WR_PTR	0x0001845C
FIFO0_CH1_RD_PTR	0x00018460
FIFO0_CH1_IRQ_NOTIFY	0x00018464
FIFO0_CH1_IRQ_EN	0x00018468
FIFO0_CH1_IRQ_FORCINT	0x0001846C
FIFO0_CH1_IRQ_MODE	0x00018470

Address name	Address number
FIFO0_CH1_EIRQ_EN	0x00018474
FIFO0_CH2_CTRL	0x00018480
FIFO0_CH2_END_ADDR	0x00018484
FIFO0_CH2_START_ADDR	0x00018488
FIFO0_CH2_UPPER_WM	0x0001848C
FIFO0_CH2_LOWER_WM	0x00018490
FIFO0_CH2_STATUS	0x00018494
FIFO0_CH2_FILL_LEVEL	0x00018498
FIFO0_CH2_WR_PTR	0x0001849C
FIFO0_CH2_RD_PTR	0x000184A0
FIFO0_CH2_IRQ_NOTIFY	0x000184A4
FIFO0_CH2_IRQ_EN	0x000184A8
FIFO0_CH2_IRQ_FORCINT	0x000184AC
FIFO0_CH2_IRQ_MODE	0x000184B0
FIFO0_CH2_EIRQ_EN	0x000184B4
FIFO0_CH3_CTRL	0x000184C0
FIFO0_CH3_END_ADDR	0x000184C4
FIFO0_CH3_START_ADDR	0x000184C8
FIFO0_CH3_UPPER_WM	0x000184CC
FIFO0_CH3_LOWER_WM	0x000184D0
FIFO0_CH3_STATUS	0x000184D4
FIFO0_CH3_FILL_LEVEL	0x000184D8
FIFO0_CH3_WR_PTR	0x000184DC
FIFO0_CH3_RD_PTR	0x000184E0
FIFO0_CH3_IRQ_NOTIFY	0x000184E4
FIFO0_CH3_IRQ_EN	0x000184E8
FIFO0_CH3_IRQ_FORCINT	0x000184EC
FIFO0_CH3_IRQ_MODE	0x000184F0
FIFO0_CH3_EIRQ_EN	0x000184F4
FIFO0_CH4_CTRL	0x00018500
FIFO0_CH4_END_ADDR	0x00018504
FIFO0_CH4_START_ADDR	0x00018508
FIFO0_CH4_UPPER_WM	0x0001850C
FIFO0_CH4_LOWER_WM	0x00018510
FIFO0_CH4_STATUS	0x00018514
FIFO0_CH4_FILL_LEVEL	0x00018518
FIFO0_CH4_WR_PTR	0x0001851C
FIFO0_CH4_RD_PTR	0x00018520

Address name	Address number
FIFO0_CH4_IRQ_NOTIFY	0x00018524
FIFO0_CH4_IRQ_EN	0x00018528
FIFO0_CH4_IRQ_FORCINT	0x0001852C
FIFO0_CH4_IRQ_MODE	0x00018530
FIFO0_CH4_EIRQ_EN	0x00018534
FIFO0_CH5_CTRL	0x00018540
FIFO0_CH5_END_ADDR	0x00018544
FIFO0_CH5_START_ADDR	0x00018548
FIFO0_CH5_UPPER_WM	0x0001854C
FIFO0_CH5_LOWER_WM	0x00018550
FIFO0_CH5_STATUS	0x00018554
FIFO0_CH5_FILL_LEVEL	0x00018558
FIFO0_CH5_WR_PTR	0x0001855C
FIFO0_CH5_RD_PTR	0x00018560
FIFO0_CH5_IRQ_NOTIFY	0x00018564
FIFO0_CH5_IRQ_EN	0x00018568
FIFO0_CH5_IRQ_FORCINT	0x0001856C
FIFO0_CH5_IRQ_MODE	0x00018570
FIFO0_CH5_EIRQ_EN	0x00018574
FIFO0_CH6_CTRL	0x00018580
FIFO0_CH6_END_ADDR	0x00018584
FIFO0_CH6_START_ADDR	0x00018588
FIFO0_CH6_UPPER_WM	0x0001858C
FIFO0_CH6_LOWER_WM	0x00018590
FIFO0_CH6_STATUS	0x00018594
FIFO0_CH6_FILL_LEVEL	0x00018598
FIFO0_CH6_WR_PTR	0x0001859C
FIFO0_CH6_RD_PTR	0x000185A0
FIFO0_CH6_IRQ_NOTIFY	0x000185A4
FIFO0_CH6_IRQ_EN	0x000185A8
FIFO0_CH6_IRQ_FORCINT	0x000185AC
FIFO0_CH6_IRQ_MODE	0x000185B0
FIFO0_CH6_EIRQ_EN	0x000185B4
FIFO0_CH7_CTRL	0x000185C0
FIFO0_CH7_END_ADDR	0x000185C4
FIFO0_CH7_START_ADDR	0x000185C8
FIFO0_CH7_UPPER_WM	0x000185CC
FIFO0_CH7_LOWER_WM	0x000185D0

Address name	Address number
FIFO0_CH7_STATUS	0x000185D4
FIFO0_CH7_FILL_LEVEL	0x000185D8
FIFO0_CH7_WR_PTR	0x000185DC
FIFO0_CH7_RD_PTR	0x000185E0
FIFO0_CH7_IRQ_NOTIFY	0x000185E4
FIFO0_CH7_IRQ_EN	0x000185E8
FIFO0_CH7_IRQ_FORCINT	0x000185EC
FIFO0_CH7_IRQ_MODE	0x000185F0
FIFO0_CH7_EIRQ_EN	0x000185F4
FIFO0_MEMORY	0x00019000
FIFO0_MEMORY_END	0x00019FFC
F2A1_CH0_ARU_RD_FIFO	0x0001C000
F2A1_CH1_ARU_RD_FIFO	0x0001C004
F2A1_CH2_ARU_RD_FIFO	0x0001C008
F2A1_CH3_ARU_RD_FIFO	0x0001C00C
F2A1_CH4_ARU_RD_FIFO	0x0001C010
F2A1_CH5_ARU_RD_FIFO	0x0001C014
F2A1_CH6_ARU_RD_FIFO	0x0001C018
F2A1_CH7_ARU_RD_FIFO	0x0001C01C
F2A1_CH0_STR_CFG	0x0001C020
F2A1_CH1_STR_CFG	0x0001C024
F2A1_CH2_STR_CFG	0x0001C028
F2A1_CH3_STR_CFG	0x0001C02C
F2A1_CH4_STR_CFG	0x0001C030
F2A1_CH5_STR_CFG	0x0001C034
F2A1_CH6_STR_CFG	0x0001C038
F2A1_CH7_STR_CFG	0x0001C03C
F2A1_ENABLE	0x0001C040
AFD1_CH0_BUF_ACC	0x0001C080
AFD1_CH1_BUF_ACC	0x0001C090
AFD1_CH2_BUF_ACC	0x0001C0A0
AFD1_CH3_BUF_ACC	0x0001C0B0
AFD1_CH4_BUF_ACC	0x0001C0C0
AFD1_CH5_BUF_ACC	0x0001C0D0
AFD1_CH6_BUF_ACC	0x0001C0E0
AFD1_CH7_BUF_ACC	0x0001C0F0
FIFO1_CH0_CTRL	0x0001C400
FIFO1_CH0_END_ADDR	0x0001C404

Address name	Address number
FIFO1_CH0_START_ADDR	0x0001C408
FIFO1_CH0_UPPER_WM	0x0001C40C
FIFO1_CH0_LOWER_WM	0x0001C410
FIFO1_CH0_STATUS	0x0001C414
FIFO1_CH0_FILL_LEVEL	0x0001C418
FIFO1_CH0_WR_PTR	0x0001C41C
FIFO1_CH0_RD_PTR	0x0001C420
FIFO1_CH0_IRQ_NOTIFY	0x0001C424
FIFO1_CH0_IRQ_EN	0x0001C428
FIFO1_CH0_IRQ_FORCINT	0x0001C42C
FIFO1_CH0_IRQ_MODE	0x0001C430
FIFO1_CH0_EIRQ_EN	0x0001C434
FIFO1_CH1_CTRL	0x0001C440
FIFO1_CH1_END_ADDR	0x0001C444
FIFO1_CH1_START_ADDR	0x0001C448
FIFO1_CH1_UPPER_WM	0x0001C44C
FIFO1_CH1_LOWER_WM	0x0001C450
FIFO1_CH1_STATUS	0x0001C454
FIFO1_CH1_FILL_LEVEL	0x0001C458
FIFO1_CH1_WR_PTR	0x0001C45C
FIFO1_CH1_RD_PTR	0x0001C460
FIFO1_CH1_IRQ_NOTIFY	0x0001C464
FIFO1_CH1_IRQ_EN	0x0001C468
FIFO1_CH1_IRQ_FORCINT	0x0001C46C
FIFO1_CH1_IRQ_MODE	0x0001C470
FIFO1_CH1_EIRQ_EN	0x0001C474
FIFO1_CH2_CTRL	0x0001C480
FIFO1_CH2_END_ADDR	0x0001C484
FIFO1_CH2_START_ADDR	0x0001C488
FIFO1_CH2_UPPER_WM	0x0001C48C
FIFO1_CH2_LOWER_WM	0x0001C490
FIFO1_CH2_STATUS	0x0001C494
FIFO1_CH2_FILL_LEVEL	0x0001C498
FIFO1_CH2_WR_PTR	0x0001C49C
FIFO1_CH2_RD_PTR	0x0001C4A0
FIFO1_CH2_IRQ_NOTIFY	0x0001C4A4
FIFO1_CH2_IRQ_EN	0x0001C4A8
FIFO1_CH2_IRQ_FORCINT	0x0001C4AC

Address name	Address number
FIFO1_CH2_IRQ_MODE	0x0001C4B0
FIFO1_CH2_EIRQ_EN	0x0001C4B4
FIFO1_CH3_CTRL	0x0001C4C0
FIFO1_CH3_END_ADDR	0x0001C4C4
FIFO1_CH3_START_ADDR	0x0001C4C8
FIFO1_CH3_UPPER_WM	0x0001C4CC
FIFO1_CH3_LOWER_WM	0x0001C4D0
FIFO1_CH3_STATUS	0x0001C4D4
FIFO1_CH3_FILL_LEVEL	0x0001C4D8
FIFO1_CH3_WR_PTR	0x0001C4DC
FIFO1_CH3_RD_PTR	0x0001C4E0
FIFO1_CH3_IRQ_NOTIFY	0x0001C4E4
FIFO1_CH3_IRQ_EN	0x0001C4E8
FIFO1_CH3_IRQ_FORCINT	0x0001C4EC
FIFO1_CH3_IRQ_MODE	0x0001C4F0
FIFO1_CH3_EIRQ_EN	0x0001C4F4
FIFO1_CH4_CTRL	0x0001C500
FIFO1_CH4_END_ADDR	0x0001C504
FIFO1_CH4_START_ADDR	0x0001C508
FIFO1_CH4_UPPER_WM	0x0001C50C
FIFO1_CH4_LOWER_WM	0x0001C510
FIFO1_CH4_STATUS	0x0001C514
FIFO1_CH4_FILL_LEVEL	0x0001C518
FIFO1_CH4_WR_PTR	0x0001C51C
FIFO1_CH4_RD_PTR	0x0001C520
FIFO1_CH4_IRQ_NOTIFY	0x0001C524
FIFO1_CH4_IRQ_EN	0x0001C528
FIFO1_CH4_IRQ_FORCINT	0x0001C52C
FIFO1_CH4_IRQ_MODE	0x0001C530
FIFO1_CH4_EIRQ_EN	0x0001C534
FIFO1_CH5_CTRL	0x0001C540
FIFO1_CH5_END_ADDR	0x0001C544
FIFO1_CH5_START_ADDR	0x0001C548
FIFO1_CH5_UPPER_WM	0x0001C54C
FIFO1_CH5_LOWER_WM	0x0001C550
FIFO1_CH5_STATUS	0x0001C554
FIFO1_CH5_FILL_LEVEL	0x0001C558
FIFO1_CH5_WR_PTR	0x0001C55C

Address name	Address number
FIFO1_CH5_RD_PTR	0x0001C560
FIFO1_CH5_IRQ_NOTIFY	0x0001C564
FIFO1_CH5_IRQ_EN	0x0001C568
FIFO1_CH5_IRQ_FORCINT	0x0001C56C
FIFO1_CH5_IRQ_MODE	0x0001C570
FIFO1_CH5_EIRQ_EN	0x0001C574
FIFO1_CH6_CTRL	0x0001C580
FIFO1_CH6_END_ADDR	0x0001C584
FIFO1_CH6_START_ADDR	0x0001C588
FIFO1_CH6_UPPER_WM	0x0001C58C
FIFO1_CH6_LOWER_WM	0x0001C590
FIFO1_CH6_STATUS	0x0001C594
FIFO1_CH6_FILL_LEVEL	0x0001C598
FIFO1_CH6_WR_PTR	0x0001C59C
FIFO1_CH6_RD_PTR	0x0001C5A0
FIFO1_CH6_IRQ_NOTIFY	0x0001C5A4
FIFO1_CH6_IRQ_EN	0x0001C5A8
FIFO1_CH6_IRQ_FORCINT	0x0001C5AC
FIFO1_CH6_IRQ_MODE	0x0001C5B0
FIFO1_CH6_EIRQ_EN	0x0001C5B4
FIFO1_CH7_CTRL	0x0001C5C0
FIFO1_CH7_END_ADDR	0x0001C5C4
FIFO1_CH7_START_ADDR	0x0001C5C8
FIFO1_CH7_UPPER_WM	0x0001C5CC
FIFO1_CH7_LOWER_WM	0x0001C5D0
FIFO1_CH7_STATUS	0x0001C5D4
FIFO1_CH7_FILL_LEVEL	0x0001C5D8
FIFO1_CH7_WR_PTR	0x0001C5DC
FIFO1_CH7_RD_PTR	0x0001C5E0
FIFO1_CH7_IRQ_NOTIFY	0x0001C5E4
FIFO1_CH7_IRQ_EN	0x0001C5E8
FIFO1_CH7_IRQ_FORCINT	0x0001C5EC
FIFO1_CH7_IRQ_MODE	0x0001C5F0
FIFO1_CH7_EIRQ_EN	0x0001C5F4
FIFO1_MEMORY	0x0001D000
FIFO1_MEMORY_END	0x0001DFFC
DPLL_CTRL_0	0x00028000
DPLL_CTRL_1	0x00028004

Address name	Address number
DPLL_CTRL_2	0x00028008
DPLL_CTRL_3	0x0002800C
DPLL_CTRL_4	0x00028010
DPLL_CTRL_5	0x00028014
DPLL_ACT_STA	0x00028018
DPLL_OSW	0x0002801C
DPLL_AOSV_2	0x00028020
DPLL_APT	0x00028024
DPLL_APS	0x00028028
DPLL_APT_2C	0x0002802C
DPLL_APS_1C3	0x00028030
DPLL_NUTC	0x00028034
DPLL_NUSC	0x00028038
DPLL_NTI_CNT	0x0002803C
DPLL_IRQ_NOTIFY	0x00028040
DPLL_IRQ_EN	0x00028044
DPLL_IRQ_FORCINT	0x00028048
DPLL_IRQ_MODE	0x0002804C
DPLL_EIRQ_EN	0x00028050
DPLL_INC_CNT1	0x000280B0
DPLL_INC_CNT2	0x000280B4
DPLL_APT_SYNC	0x000280B8
DPLL_APS_SYNC	0x000280BC
DPLL_TBU_TS0_T	0x000280C0
DPLL_TBU_TS0_S	0x000280C4
DPLL_ADD_IN_LD1	0x000280C8
DPLL_ADD_IN_LD2	0x000280CC
DPLL_STATUS	0x000280FC
DPLL_ID_PMTR_0	0x00028100
DPLL_ID_PMTR_1	0x00028104
DPLL_ID_PMTR_2	0x00028108
DPLL_ID_PMTR_3	0x0002810C
DPLL_ID_PMTR_4	0x00028110
DPLL_ID_PMTR_5	0x00028114
DPLL_ID_PMTR_6	0x00028118
DPLL_ID_PMTR_7	0x0002811C
DPLL_ID_PMTR_8	0x00028120
DPLL_ID_PMTR_9	0x00028124

Address name	Address number
DPLL_ID_PMTR_10	0x00028128
DPLL_ID_PMTR_11	0x0002812C
DPLL_ID_PMTR_12	0x00028130
DPLL_ID_PMTR_13	0x00028134
DPLL_ID_PMTR_14	0x00028138
DPLL_ID_PMTR_15	0x0002813C
DPLL_ID_PMTR_16	0x00028140
DPLL_ID_PMTR_17	0x00028144
DPLL_ID_PMTR_18	0x00028148
DPLL_ID_PMTR_19	0x0002814C
DPLL_ID_PMTR_20	0x00028150
DPLL_ID_PMTR_21	0x00028154
DPLL_ID_PMTR_22	0x00028158
DPLL_ID_PMTR_23	0x0002815C
DPLL_ID_PMTR_24	0x00028160
DPLL_ID_PMTR_25	0x00028164
DPLL_ID_PMTR_26	0x00028168
DPLL_ID_PMTR_27	0x0002816C
DPLL_ID_PMTR_28	0x00028170
DPLL_ID_PMTR_29	0x00028174
DPLL_ID_PMTR_30	0x00028178
DPLL_ID_PMTR_31	0x0002817C
DPLL_CTRL_0_SHADOW_TRIGGER	0x000281E0
DPLL_CTRL_0_SHADOW_STATE	0x000281E4
DPLL_CTRL_1_SHADOW_TRIGGER	0x000281E8
DPLL_CTRL_1_SHADOW_STATE	0x000281EC
DPLL_RAM_INI	0x000281FC
DPLL_PSA0	0x00028200
DPLL_PSA1	0x00028204
DPLL_PSA2	0x00028208
DPLL_PSA3	0x0002820C
DPLL_PSA4	0x00028210
DPLL_PSA5	0x00028214
DPLL_PSA6	0x00028218
DPLL_PSA7	0x0002821C
DPLL_PSA8	0x00028220
DPLL_PSA9	0x00028224
DPLL_PSA10	0x00028228

Address name	Address number
DPLL_PSA11	0x0002822C
DPLL_PSA12	0x00028230
DPLL_PSA13	0x00028234
DPLL_PSA14	0x00028238
DPLL_PSA15	0x0002823C
DPLL_PSA16	0x00028240
DPLL_PSA17	0x00028244
DPLL_PSA18	0x00028248
DPLL_PSA19	0x0002824C
DPLL_PSA20	0x00028250
DPLL_PSA21	0x00028254
DPLL_PSA22	0x00028258
DPLL_PSA23	0x0002825C
DPLL_PSA24	0x00028260
DPLL_PSA25	0x00028264
DPLL_PSA26	0x00028268
DPLL_PSA27	0x0002826C
DPLL_PSA28	0x00028270
DPLL_PSA29	0x00028274
DPLL_PSA30	0x00028278
DPLL_PSA31	0x0002827C
DPLL_DLA0	0x00028280
DPLL_DLA1	0x00028284
DPLL_DLA2	0x00028288
DPLL_DLA3	0x0002828C
DPLL_DLA4	0x00028290
DPLL_DLA5	0x00028294
DPLL_DLA6	0x00028298
DPLL_DLA7	0x0002829C
DPLL_DLA8	0x000282A0
DPLL_DLA9	0x000282A4
DPLL_DLA10	0x000282A8
DPLL_DLA11	0x000282AC
DPLL_DLA12	0x000282B0
DPLL_DLA13	0x000282B4
DPLL_DLA14	0x000282B8
DPLL_DLA15	0x000282BC
DPLL_DLA16	0x000282C0

Address name	Address number
DPLL_DLA17	0x000282C4
DPLL_DLA18	0x000282C8
DPLL_DLA19	0x000282CC
DPLL_DLA20	0x000282D0
DPLL_DLA21	0x000282D4
DPLL_DLA22	0x000282D8
DPLL_DLA23	0x000282DC
DPLL_DLA24	0x000282E0
DPLL_DLA25	0x000282E4
DPLL_DLA26	0x000282E8
DPLL_DLA27	0x000282EC
DPLL_DLA28	0x000282F0
DPLL_DLA29	0x000282F4
DPLL_DLA30	0x000282F8
DPLL_DLA31	0x000282FC
DPLL_NA0	0x00028300
DPLL_NA1	0x00028304
DPLL_NA2	0x00028308
DPLL_NA3	0x0002830C
DPLL_NA4	0x00028310
DPLL_NA5	0x00028314
DPLL_NA6	0x00028318
DPLL_NA7	0x0002831C
DPLL_NA8	0x00028320
DPLL_NA9	0x00028324
DPLL_NA10	0x00028328
DPLL_NA11	0x0002832C
DPLL_NA12	0x00028330
DPLL_NA13	0x00028334
DPLL_NA14	0x00028338
DPLL_NA15	0x0002833C
DPLL_NA16	0x00028340
DPLL_NA17	0x00028344
DPLL_NA18	0x00028348
DPLL_NA19	0x0002834C
DPLL_NA20	0x00028350
DPLL_NA21	0x00028354
DPLL_NA22	0x00028358

Address name	Address number
DPLL_NA23	0x0002835C
DPLL_NA24	0x00028360
DPLL_NA25	0x00028364
DPLL_NA26	0x00028368
DPLL_NA27	0x0002836C
DPLL_NA28	0x00028370
DPLL_NA29	0x00028374
DPLL_NA30	0x00028378
DPLL_NA31	0x0002837C
DPLL_DTA0	0x00028380
DPLL_DTA1	0x00028384
DPLL_DTA2	0x00028388
DPLL_DTA3	0x0002838C
DPLL_DTA4	0x00028390
DPLL_DTA5	0x00028394
DPLL_DTA6	0x00028398
DPLL_DTA7	0x0002839C
DPLL_DTA8	0x000283A0
DPLL_DTA9	0x000283A4
DPLL_DTA10	0x000283A8
DPLL_DTA11	0x000283AC
DPLL_DTA12	0x000283B0
DPLL_DTA13	0x000283B4
DPLL_DTA14	0x000283B8
DPLL_DTA15	0x000283BC
DPLL_DTA16	0x000283C0
DPLL_DTA17	0x000283C4
DPLL_DTA18	0x000283C8
DPLL_DTA19	0x000283CC
DPLL_DTA20	0x000283D0
DPLL_DTA21	0x000283D4
DPLL_DTA22	0x000283D8
DPLL_DTA23	0x000283DC
DPLL_DTA24	0x000283E0
DPLL_DTA25	0x000283E4
DPLL_DTA26	0x000283E8
DPLL_DTA27	0x000283EC
DPLL_DTA28	0x000283F0

Address name	Address number
DPLL_DTA29	0x000283F4
DPLL_DTA30	0x000283F8
DPLL_DTA31	0x000283FC
DPLL_TS_T	0x00028400
DPLL_TS_T_OLD	0x00028404
DPLL_FTV_T	0x00028408
DPLL_dummy_0	0x0002840C
DPLL_TS_S	0x00028410
DPLL_TS_S_OLD	0x00028414
DPLL_FTV_S	0x00028418
DPLL_dummy_1	0x0002841C
DPLL_THMI	0x00028420
DPLL_THMA	0x00028424
DPLL_THVAL	0x00028428
DPLL_dummy_2	0x0002842C
DPLL_TOV	0x00028430
DPLL_TOV_S	0x00028434
DPLL_ADD_IN_CAL1	0x00028438
DPLL_ADD_IN_CAL2	0x0002843C
DPLL_MPVAL1	0x00028440
DPLL_MPVAL2	0x00028444
DPLL_NMB_T_TAR	0x00028448
DPLL_NMB_T_TAR_OLD	0x0002844C
DPLL_NMB_S_TAR	0x00028450
DPLL_NMB_S_TAR_OLD	0x00028454
DPLL_dummy_3	0x00028458
DPLL_dummy_4	0x0002845C
DPLL_RCDT_TX	0x00028460
DPLL_RCDT_SX	0x00028464
DPLL_RCDT_TX_NOM	0x00028468
DPLL_RCDT_SX_NOM	0x0002846C
DPLL_RDT_T_ACT	0x00028470
DPLL_RDT_S_ACT	0x00028474
DPLL_DT_T_ACT	0x00028478
DPLL_DT_S_ACT	0x0002847C
DPLL_EDT_T	0x00028480
DPLL_MEDT_T	0x00028484
DPLL_EDT_S	0x00028488

Address name	Address number
DPLL_MEDT_S	0x0002848C
DPLL_CDT_TX	0x00028490
DPLL_CDT_SX	0x00028494
DPLL_CDT_TX_NOM	0x00028498
DPLL_CDT_SX_NOM	0x0002849C
DPLL_TLR	0x000284A0
DPLL_SLR	0x000284A4
DPLL_dummy_5_0	0x000284A8
DPLL_dummy_5_1	0x000284AC
DPLL_dummy_5_2	0x000284B0
DPLL_dummy_5_3	0x000284B4
DPLL_dummy_5_4	0x000284B8
DPLL_dummy_5_5	0x000284BC
DPLL_dummy_5_6	0x000284C0
DPLL_dummy_5_7	0x000284C4
DPLL_dummy_5_8	0x000284C8
DPLL_dummy_5_9	0x000284CC
DPLL_dummy_5_10	0x000284D0
DPLL_dummy_5_11	0x000284D4
DPLL_dummy_5_12	0x000284D8
DPLL_dummy_5_13	0x000284DC
DPLL_dummy_5_14	0x000284E0
DPLL_dummy_5_15	0x000284E4
DPLL_dummy_5_16	0x000284E8
DPLL_dummy_5_17	0x000284EC
DPLL_dummy_5_18	0x000284F0
DPLL_dummy_5_19	0x000284F4
DPLL_dummy_5_20	0x000284F8
DPLL_dummy_5_21	0x000284FC
DPLL_PDT_0	0x00028500
DPLL_PDT_1	0x00028504
DPLL_PDT_2	0x00028508
DPLL_PDT_3	0x0002850C
DPLL_PDT_4	0x00028510
DPLL_PDT_5	0x00028514
DPLL_PDT_6	0x00028518
DPLL_PDT_7	0x0002851C
DPLL_PDT_8	0x00028520

Address name	Address number
DPLL_PDT_9	0x00028524
DPLL_PDT_10	0x00028528
DPLL_PDT_11	0x0002852C
DPLL_PDT_12	0x00028530
DPLL_PDT_13	0x00028534
DPLL_PDT_14	0x00028538
DPLL_PDT_15	0x0002853C
DPLL_PDT_16	0x00028540
DPLL_PDT_17	0x00028544
DPLL_PDT_18	0x00028548
DPLL_PDT_19	0x0002854C
DPLL_PDT_20	0x00028550
DPLL_PDT_21	0x00028554
DPLL_PDT_22	0x00028558
DPLL_PDT_23	0x0002855C
DPLL_PDT_24	0x00028560
DPLL_PDT_25	0x00028564
DPLL_PDT_26	0x00028568
DPLL_PDT_27	0x0002856C
DPLL_PDT_28	0x00028570
DPLL_PDT_29	0x00028574
DPLL_PDT_30	0x00028578
DPLL_PDT_31	0x0002857C
DPLL_dummy_6_0	0x00028580
DPLL_dummy_6_1	0x00028584
DPLL_dummy_6_2	0x00028588
DPLL_dummy_6_3	0x0002858C
DPLL_dummy_6_4	0x00028590
DPLL_dummy_6_5	0x00028594
DPLL_dummy_6_6	0x00028598
DPLL_dummy_6_7	0x0002859C
DPLL_dummy_6_8	0x000285A0
DPLL_dummy_6_9	0x000285A4
DPLL_dummy_6_10	0x000285A8
DPLL_dummy_6_11	0x000285AC
DPLL_dummy_6_12	0x000285B0
DPLL_dummy_6_13	0x000285B4
DPLL_dummy_6_14	0x000285B8

Address name	Address number
DPLL_dummy_6_15	0x000285BC
DPLL_MLS1	0x000285C0
DPLL_MLS2	0x000285C4
DPLL_CNT_NUM_1	0x000285C8
DPLL_CNT_NUM_2	0x000285CC
DPLL_PVT	0x000285D0
DPLL_dummy_7_0	0x000285D4
DPLL_dummy_7_1	0x000285D8
DPLL_dummy_7_2	0x000285DC
DPLL_PSTC	0x000285E0
DPLL_PSSC	0x000285E4
DPLL_PSTM	0x000285E8
DPLL_PSTM_OLD	0x000285EC
DPLL_PSSM	0x000285F0
DPLL_PSSM_OLD	0x000285F4
DPLL_NMB_T	0x000285F8
DPLL_NMB_S	0x000285FC
DPLL_RDT_S0	0x00028600
DPLL_RDT_S1	0x00028604
DPLL_RDT_S2	0x00028608
DPLL_RDT_S3	0x0002860C
DPLL_RDT_S4	0x00028610
DPLL_RDT_S5	0x00028614
DPLL_RDT_S6	0x00028618
DPLL_RDT_S7	0x0002861C
DPLL_RDT_S8	0x00028620
DPLL_RDT_S9	0x00028624
DPLL_RDT_S10	0x00028628
DPLL_RDT_S11	0x0002862C
DPLL_RDT_S12	0x00028630
DPLL_RDT_S13	0x00028634
DPLL_RDT_S14	0x00028638
DPLL_RDT_S15	0x0002863C
DPLL_RDT_S16	0x00028640
DPLL_RDT_S17	0x00028644
DPLL_RDT_S18	0x00028648
DPLL_RDT_S19	0x0002864C
DPLL_RDT_S20	0x00028650

Address name	Address number
DPLL_RDT_S21	0x00028654
DPLL_RDT_S22	0x00028658
DPLL_RDT_S23	0x0002865C
DPLL_RDT_S24	0x00028660
DPLL_RDT_S25	0x00028664
DPLL_RDT_S26	0x00028668
DPLL_RDT_S27	0x0002866C
DPLL_RDT_S28	0x00028670
DPLL_RDT_S29	0x00028674
DPLL_RDT_S30	0x00028678
DPLL_RDT_S31	0x0002867C
DPLL_RDT_S32	0x00028680
DPLL_RDT_S33	0x00028684
DPLL_RDT_S34	0x00028688
DPLL_RDT_S35	0x0002868C
DPLL_RDT_S36	0x00028690
DPLL_RDT_S37	0x00028694
DPLL_RDT_S38	0x00028698
DPLL_RDT_S39	0x0002869C
DPLL_RDT_S40	0x000286A0
DPLL_RDT_S41	0x000286A4
DPLL_RDT_S42	0x000286A8
DPLL_RDT_S43	0x000286AC
DPLL_RDT_S44	0x000286B0
DPLL_RDT_S45	0x000286B4
DPLL_RDT_S46	0x000286B8
DPLL_RDT_S47	0x000286BC
DPLL_RDT_S48	0x000286C0
DPLL_RDT_S49	0x000286C4
DPLL_RDT_S50	0x000286C8
DPLL_RDT_S51	0x000286CC
DPLL_RDT_S52	0x000286D0
DPLL_RDT_S53	0x000286D4
DPLL_RDT_S54	0x000286D8
DPLL_RDT_S55	0x000286DC
DPLL_RDT_S56	0x000286E0
DPLL_RDT_S57	0x000286E4
DPLL_RDT_S58	0x000286E8

Address name	Address number
DPLL_RDT_S59	0x000286EC
DPLL_RDT_S60	0x000286F0
DPLL_RDT_S61	0x000286F4
DPLL_RDT_S62	0x000286F8
DPLL_RDT_S63	0x000286FC
DPLL_TSF_S0	0x00028700
DPLL_TSF_S1	0x00028704
DPLL_TSF_S2	0x00028708
DPLL_TSF_S3	0x0002870C
DPLL_TSF_S4	0x00028710
DPLL_TSF_S5	0x00028714
DPLL_TSF_S6	0x00028718
DPLL_TSF_S7	0x0002871C
DPLL_TSF_S8	0x00028720
DPLL_TSF_S9	0x00028724
DPLL_TSF_S10	0x00028728
DPLL_TSF_S11	0x0002872C
DPLL_TSF_S12	0x00028730
DPLL_TSF_S13	0x00028734
DPLL_TSF_S14	0x00028738
DPLL_TSF_S15	0x0002873C
DPLL_TSF_S16	0x00028740
DPLL_TSF_S17	0x00028744
DPLL_TSF_S18	0x00028748
DPLL_TSF_S19	0x0002874C
DPLL_TSF_S20	0x00028750
DPLL_TSF_S21	0x00028754
DPLL_TSF_S22	0x00028758
DPLL_TSF_S23	0x0002875C
DPLL_TSF_S24	0x00028760
DPLL_TSF_S25	0x00028764
DPLL_TSF_S26	0x00028768
DPLL_TSF_S27	0x0002876C
DPLL_TSF_S28	0x00028770
DPLL_TSF_S29	0x00028774
DPLL_TSF_S30	0x00028778
DPLL_TSF_S31	0x0002877C
DPLL_TSF_S32	0x00028780

Address name	Address number
DPLL_TSF_S33	0x00028784
DPLL_TSF_S34	0x00028788
DPLL_TSF_S35	0x0002878C
DPLL_TSF_S36	0x00028790
DPLL_TSF_S37	0x00028794
DPLL_TSF_S38	0x00028798
DPLL_TSF_S39	0x0002879C
DPLL_TSF_S40	0x000287A0
DPLL_TSF_S41	0x000287A4
DPLL_TSF_S42	0x000287A8
DPLL_TSF_S43	0x000287AC
DPLL_TSF_S44	0x000287B0
DPLL_TSF_S45	0x000287B4
DPLL_TSF_S46	0x000287B8
DPLL_TSF_S47	0x000287BC
DPLL_TSF_S48	0x000287C0
DPLL_TSF_S49	0x000287C4
DPLL_TSF_S50	0x000287C8
DPLL_TSF_S51	0x000287CC
DPLL_TSF_S52	0x000287D0
DPLL_TSF_S53	0x000287D4
DPLL_TSF_S54	0x000287D8
DPLL_TSF_S55	0x000287DC
DPLL_TSF_S56	0x000287E0
DPLL_TSF_S57	0x000287E4
DPLL_TSF_S58	0x000287E8
DPLL_TSF_S59	0x000287EC
DPLL_TSF_S60	0x000287F0
DPLL_TSF_S61	0x000287F4
DPLL_TSF_S62	0x000287F8
DPLL_TSF_S63	0x000287FC
DPLL_ADT_S0	0x00028800
DPLL_ADT_S1	0x00028804
DPLL_ADT_S2	0x00028808
DPLL_ADT_S3	0x0002880C
DPLL_ADT_S4	0x00028810
DPLL_ADT_S5	0x00028814
DPLL_ADT_S6	0x00028818

Address name	Address number
DPLL_ADT_S7	0x0002881C
DPLL_ADT_S8	0x00028820
DPLL_ADT_S9	0x00028824
DPLL_ADT_S10	0x00028828
DPLL_ADT_S11	0x0002882C
DPLL_ADT_S12	0x00028830
DPLL_ADT_S13	0x00028834
DPLL_ADT_S14	0x00028838
DPLL_ADT_S15	0x0002883C
DPLL_ADT_S16	0x00028840
DPLL_ADT_S17	0x00028844
DPLL_ADT_S18	0x00028848
DPLL_ADT_S19	0x0002884C
DPLL_ADT_S20	0x00028850
DPLL_ADT_S21	0x00028854
DPLL_ADT_S22	0x00028858
DPLL_ADT_S23	0x0002885C
DPLL_ADT_S24	0x00028860
DPLL_ADT_S25	0x00028864
DPLL_ADT_S26	0x00028868
DPLL_ADT_S27	0x0002886C
DPLL_ADT_S28	0x00028870
DPLL_ADT_S29	0x00028874
DPLL_ADT_S30	0x00028878
DPLL_ADT_S31	0x0002887C
DPLL_ADT_S32	0x00028880
DPLL_ADT_S33	0x00028884
DPLL_ADT_S34	0x00028888
DPLL_ADT_S35	0x0002888C
DPLL_ADT_S36	0x00028890
DPLL_ADT_S37	0x00028894
DPLL_ADT_S38	0x00028898
DPLL_ADT_S39	0x0002889C
DPLL_ADT_S40	0x000288A0
DPLL_ADT_S41	0x000288A4
DPLL_ADT_S42	0x000288A8
DPLL_ADT_S43	0x000288AC
DPLL_ADT_S44	0x000288B0

Address name	Address number
DPLL_ADT_S45	0x000288B4
DPLL_ADT_S46	0x000288B8
DPLL_ADT_S47	0x000288BC
DPLL_ADT_S48	0x000288C0
DPLL_ADT_S49	0x000288C4
DPLL_ADT_S50	0x000288C8
DPLL_ADT_S51	0x000288CC
DPLL_ADT_S52	0x000288D0
DPLL_ADT_S53	0x000288D4
DPLL_ADT_S54	0x000288D8
DPLL_ADT_S55	0x000288DC
DPLL_ADT_S56	0x000288E0
DPLL_ADT_S57	0x000288E4
DPLL_ADT_S58	0x000288E8
DPLL_ADT_S59	0x000288EC
DPLL_ADT_S60	0x000288F0
DPLL_ADT_S61	0x000288F4
DPLL_ADT_S62	0x000288F8
DPLL_ADT_S63	0x000288FC
DPLL_DT_S0	0x00028900
DPLL_DT_S1	0x00028904
DPLL_DT_S2	0x00028908
DPLL_DT_S3	0x0002890C
DPLL_DT_S4	0x00028910
DPLL_DT_S5	0x00028914
DPLL_DT_S6	0x00028918
DPLL_DT_S7	0x0002891C
DPLL_DT_S8	0x00028920
DPLL_DT_S9	0x00028924
DPLL_DT_S10	0x00028928
DPLL_DT_S11	0x0002892C
DPLL_DT_S12	0x00028930
DPLL_DT_S13	0x00028934
DPLL_DT_S14	0x00028938
DPLL_DT_S15	0x0002893C
DPLL_DT_S16	0x00028940
DPLL_DT_S17	0x00028944
DPLL_DT_S18	0x00028948

Address name	Address number
DPLL_DT_S19	0x0002894C
DPLL_DT_S20	0x00028950
DPLL_DT_S21	0x00028954
DPLL_DT_S22	0x00028958
DPLL_DT_S23	0x0002895C
DPLL_DT_S24	0x00028960
DPLL_DT_S25	0x00028964
DPLL_DT_S26	0x00028968
DPLL_DT_S27	0x0002896C
DPLL_DT_S28	0x00028970
DPLL_DT_S29	0x00028974
DPLL_DT_S30	0x00028978
DPLL_DT_S31	0x0002897C
DPLL_DT_S32	0x00028980
DPLL_DT_S33	0x00028984
DPLL_DT_S34	0x00028988
DPLL_DT_S35	0x0002898C
DPLL_DT_S36	0x00028990
DPLL_DT_S37	0x00028994
DPLL_DT_S38	0x00028998
DPLL_DT_S39	0x0002899C
DPLL_DT_S40	0x000289A0
DPLL_DT_S41	0x000289A4
DPLL_DT_S42	0x000289A8
DPLL_DT_S43	0x000289AC
DPLL_DT_S44	0x000289B0
DPLL_DT_S45	0x000289B4
DPLL_DT_S46	0x000289B8
DPLL_DT_S47	0x000289BC
DPLL_DT_S48	0x000289C0
DPLL_DT_S49	0x000289C4
DPLL_DT_S50	0x000289C8
DPLL_DT_S51	0x000289CC
DPLL_DT_S52	0x000289D0
DPLL_DT_S53	0x000289D4
DPLL_DT_S54	0x000289D8
DPLL_DT_S55	0x000289DC
DPLL_DT_S56	0x000289E0

Address name	Address number
DPLL_DT_S57	0x000289E4
DPLL_DT_S58	0x000289E8
DPLL_DT_S59	0x000289EC
DPLL_DT_S60	0x000289F0
DPLL_DT_S61	0x000289F4
DPLL_DT_S62	0x000289F8
DPLL_DT_S63	0x000289FC
DPLL_TSAC0	0x00028E00
DPLL_TSAC1	0x00028E04
DPLL_TSAC2	0x00028E08
DPLL_TSAC3	0x00028E0C
DPLL_TSAC4	0x00028E10
DPLL_TSAC5	0x00028E14
DPLL_TSAC6	0x00028E18
DPLL_TSAC7	0x00028E1C
DPLL_TSAC8	0x00028E20
DPLL_TSAC9	0x00028E24
DPLL_TSAC10	0x00028E28
DPLL_TSAC11	0x00028E2C
DPLL_TSAC12	0x00028E30
DPLL_TSAC13	0x00028E34
DPLL_TSAC14	0x00028E38
DPLL_TSAC15	0x00028E3C
DPLL_TSAC16	0x00028E40
DPLL_TSAC17	0x00028E44
DPLL_TSAC18	0x00028E48
DPLL_TSAC19	0x00028E4C
DPLL_TSAC20	0x00028E50
DPLL_TSAC21	0x00028E54
DPLL_TSAC22	0x00028E58
DPLL_TSAC23	0x00028E5C
DPLL_TSAC24	0x00028E60
DPLL_TSAC25	0x00028E64
DPLL_TSAC26	0x00028E68
DPLL_TSAC27	0x00028E6C
DPLL_TSAC28	0x00028E70
DPLL_TSAC29	0x00028E74
DPLL_TSAC30	0x00028E78

Address name	Address number
DPLL_TSAC31	0x00028E7C
DPLL_PSAC0	0x00028E80
DPLL_PSAC1	0x00028E84
DPLL_PSAC2	0x00028E88
DPLL_PSAC3	0x00028E8C
DPLL_PSAC4	0x00028E90
DPLL_PSAC5	0x00028E94
DPLL_PSAC6	0x00028E98
DPLL_PSAC7	0x00028E9C
DPLL_PSAC8	0x00028EA0
DPLL_PSAC9	0x00028EA4
DPLL_PSAC10	0x00028EA8
DPLL_PSAC11	0x00028EAC
DPLL_PSAC12	0x00028EB0
DPLL_PSAC13	0x00028EB4
DPLL_PSAC14	0x00028EB8
DPLL_PSAC15	0x00028EBC
DPLL_PSAC16	0x00028EC0
DPLL_PSAC17	0x00028EC4
DPLL_PSAC18	0x00028EC8
DPLL_PSAC19	0x00028ECC
DPLL_PSAC20	0x00028ED0
DPLL_PSAC21	0x00028ED4
DPLL_PSAC22	0x00028ED8
DPLL_PSAC23	0x00028EDC
DPLL_PSAC24	0x00028EE0
DPLL_PSAC25	0x00028EE4
DPLL_PSAC26	0x00028EE8
DPLL_PSAC27	0x00028EEC
DPLL_PSAC28	0x00028EF0
DPLL_PSAC29	0x00028EF4
DPLL_PSAC30	0x00028EF8
DPLL_PSAC31	0x00028EFC
DPLL_ACB_0	0x00028F00
DPLL_ACB_1	0x00028F04
DPLL_ACB_2	0x00028F08
DPLL_ACB_3	0x00028F0C
DPLL_ACB_4	0x00028F10

Address name	Address number
DPLL_ACB_5	0x00028F14
DPLL_ACB_6	0x00028F18
DPLL_ACB_7	0x00028F1C
DPLL_RR2	0x0002C000
DPLL_RR2_END	0x0002FFFC
MCS0_CH0_R0	0x00030000
MCS0_CH0_R1	0x00030004
MCS0_CH0_R2	0x00030008
MCS0_CH0_R3	0x0003000C
MCS0_CH0_R4	0x00030010
MCS0_CH0_R5	0x00030014
MCS0_CH0_R6	0x00030018
MCS0_CH0_R7	0x0003001C
MCS0_CH0_CTRL	0x00030020
MCS0_CH0_ACB	0x00030024
MCS0_CTRG	0x00030028
MCS0_STRG	0x0003002C
MCS0_CH0_MHB	0x0003003C
MCS0_CH0_PC	0x00030040
MCS0_CH0_IRQ_NOTIFY	0x00030044
MCS0_CH0_IRQ_EN	0x00030048
MCS0_CH0_IRQ_FORCINT	0x0003004C
MCS0_CH0_IRQ_MODE	0x00030050
MCS0_CH0_EIRQ_EN	0x00030054
MCS0_CAT	0x0003006C
MCS0_CWT	0x00030070
MCS0_CTRL	0x00030074
MCS0_RST	0x00030078
MCS0_ERR	0x0003007C
MCS0_CH1_R0	0x00030080
MCS0_CH1_R1	0x00030084
MCS0_CH1_R2	0x00030088
MCS0_CH1_R3	0x0003008C
MCS0_CH1_R4	0x00030090
MCS0_CH1_R5	0x00030094
MCS0_CH1_R6	0x00030098
MCS0_CH1_R7	0x0003009C
MCS0_CH1_CTRL	0x000300A0

Address name	Address number
MCS0_CH1_ACB	0x000300A4
MCS0_CH1_MHB	0x000300BC
MCS0_CH1_PC	0x000300C0
MCS0_CH1_IRQ_NOTIFY	0x000300C4
MCS0_CH1_IRQ_EN	0x000300C8
MCS0_CH1_IRQ_FORCINT	0x000300CC
MCS0_CH1_IRQ_MODE	0x000300D0
MCS0_CH1_EIRQ_EN	0x000300D4
MCS0_CH2_R0	0x00030100
MCS0_CH2_R1	0x00030104
MCS0_CH2_R2	0x00030108
MCS0_CH2_R3	0x0003010C
MCS0_CH2_R4	0x00030110
MCS0_CH2_R5	0x00030114
MCS0_CH2_R6	0x00030118
MCS0_CH2_R7	0x0003011C
MCS0_CH2_CTRL	0x00030120
MCS0_CH2_ACB	0x00030124
MCS0_CH2_MHB	0x0003013C
MCS0_CH2_PC	0x00030140
MCS0_CH2_IRQ_NOTIFY	0x00030144
MCS0_CH2_IRQ_EN	0x00030148
MCS0_CH2_IRQ_FORCINT	0x0003014C
MCS0_CH2_IRQ_MODE	0x00030150
MCS0_CH2_EIRQ_EN	0x00030154
MCS0_CH3_R0	0x00030180
MCS0_CH3_R1	0x00030184
MCS0_CH3_R2	0x00030188
MCS0_CH3_R3	0x0003018C
MCS0_CH3_R4	0x00030190
MCS0_CH3_R5	0x00030194
MCS0_CH3_R6	0x00030198
MCS0_CH3_R7	0x0003019C
MCS0_CH3_CTRL	0x000301A0
MCS0_CH3_ACB	0x000301A4
MCS0_CH3_MHB	0x000301BC
MCS0_CH3_PC	0x000301C0
MCS0_CH3_IRQ_NOTIFY	0x000301C4

Address name	Address number
MCS0_CH3_IRQ_EN	0x000301C8
MCS0_CH3_IRQ_FORCINT	0x000301CC
MCS0_CH3_IRQ_MODE	0x000301D0
MCS0_CH3_EIRQ_EN	0x000301D4
MCS0_CH4_R0	0x00030200
MCS0_CH4_R1	0x00030204
MCS0_CH4_R2	0x00030208
MCS0_CH4_R3	0x0003020C
MCS0_CH4_R4	0x00030210
MCS0_CH4_R5	0x00030214
MCS0_CH4_R6	0x00030218
MCS0_CH4_R7	0x0003021C
MCS0_CH4_CTRL	0x00030220
MCS0_CH4_ACB	0x00030224
MCS0_CH4_MHB	0x0003023C
MCS0_CH4_PC	0x00030240
MCS0_CH4_IRQ_NOTIFY	0x00030244
MCS0_CH4_IRQ_EN	0x00030248
MCS0_CH4_IRQ_FORCINT	0x0003024C
MCS0_CH4_IRQ_MODE	0x00030250
MCS0_CH4_EIRQ_EN	0x00030254
MCS0_CH5_R0	0x00030280
MCS0_CH5_R1	0x00030284
MCS0_CH5_R2	0x00030288
MCS0_CH5_R3	0x0003028C
MCS0_CH5_R4	0x00030290
MCS0_CH5_R5	0x00030294
MCS0_CH5_R6	0x00030298
MCS0_CH5_R7	0x0003029C
MCS0_CH5_CTRL	0x000302A0
MCS0_CH5_ACB	0x000302A4
MCS0_CH5_MHB	0x000302BC
MCS0_CH5_PC	0x000302C0
MCS0_CH5_IRQ_NOTIFY	0x000302C4
MCS0_CH5_IRQ_EN	0x000302C8
MCS0_CH5_IRQ_FORCINT	0x000302CC
MCS0_CH5_IRQ_MODE	0x000302D0
MCS0_CH5_EIRQ_EN	0x000302D4

Address name	Address number
MCS0_CH6_R0	0x00030300
MCS0_CH6_R1	0x00030304
MCS0_CH6_R2	0x00030308
MCS0_CH6_R3	0x0003030C
MCS0_CH6_R4	0x00030310
MCS0_CH6_R5	0x00030314
MCS0_CH6_R6	0x00030318
MCS0_CH6_R7	0x0003031C
MCS0_CH6_CTRL	0x00030320
MCS0_CH6_ACB	0x00030324
MCS0_CH6_MHB	0x0003033C
MCS0_CH6_PC	0x00030340
MCS0_CH6_IRQ_NOTIFY	0x00030344
MCS0_CH6_IRQ_EN	0x00030348
MCS0_CH6_IRQ_FORCINT	0x0003034C
MCS0_CH6_IRQ_MODE	0x00030350
MCS0_CH6_EIRQ_EN	0x00030354
MCS0_CH7_R0	0x00030380
MCS0_CH7_R1	0x00030384
MCS0_CH7_R2	0x00030388
MCS0_CH7_R3	0x0003038C
MCS0_CH7_R4	0x00030390
MCS0_CH7_R5	0x00030394
MCS0_CH7_R6	0x00030398
MCS0_CH7_R7	0x0003039C
MCS0_CH7_CTRL	0x000303A0
MCS0_CH7_ACB	0x000303A4
MCS0_CH7_MHB	0x000303BC
MCS0_CH7_PC	0x000303C0
MCS0_CH7_IRQ_NOTIFY	0x000303C4
MCS0_CH7_IRQ_EN	0x000303C8
MCS0_CH7_IRQ_FORCINT	0x000303CC
MCS0_CH7_IRQ_MODE	0x000303D0
MCS0_CH7_EIRQ_EN	0x000303D4
MCS0_CH8_R0	0x00030400
MCS0_CH8_R1	0x00030404
MCS0_CH8_R2	0x00030408
MCS0_CH8_R3	0x0003040C

Address name	Address number
MCS0_CH8_R4	0x00030410
MCS0_CH8_R5	0x00030414
MCS0_CH8_R6	0x00030418
MCS0_CH8_R7	0x0003041C
MCS0_CH8_CTRL	0x00030420
MCS0_CH8_ACB	0x00030424
MCS0_CH8_MHB	0x0003043C
MCS0_CH8_PC	0x00030440
MCS0_CH8_IRQ_NOTIFY	0x00030444
MCS0_CH8_IRQ_EN	0x00030448
MCS0_CH8_IRQ_FORCINT	0x0003044C
MCS0_CH8_IRQ_MODE	0x00030450
MCS0_CH8_EIRQ_EN	0x00030454
MCS1_CH0_R0	0x00031000
MCS1_CH0_R1	0x00031004
MCS1_CH0_R2	0x00031008
MCS1_CH0_R3	0x0003100C
MCS1_CH0_R4	0x00031010
MCS1_CH0_R5	0x00031014
MCS1_CH0_R6	0x00031018
MCS1_CH0_R7	0x0003101C
MCS1_CH0_CTRL	0x00031020
MCS1_CH0_ACB	0x00031024
MCS1_CTRG	0x00031028
MCS1_STRG	0x0003102C
MCS1_CH0_MHB	0x0003103C
MCS1_CH0_PC	0x00031040
MCS1_CH0_IRQ_NOTIFY	0x00031044
MCS1_CH0_IRQ_EN	0x00031048
MCS1_CH0_IRQ_FORCINT	0x0003104C
MCS1_CH0_IRQ_MODE	0x00031050
MCS1_CH0_EIRQ_EN	0x00031054
MCS1_CAT	0x0003106C
MCS1_CWT	0x00031070
MCS1_CTRL	0x00031074
MCS1_RST	0x00031078
MCS1_ERR	0x0003107C
MCS1_CH1_R0	0x00031080

Address name	Address number
MCS1_CH1_R1	0x00031084
MCS1_CH1_R2	0x00031088
MCS1_CH1_R3	0x0003108C
MCS1_CH1_R4	0x00031090
MCS1_CH1_R5	0x00031094
MCS1_CH1_R6	0x00031098
MCS1_CH1_R7	0x0003109C
MCS1_CH1_CTRL	0x000310A0
MCS1_CH1_ACB	0x000310A4
MCS1_CH1_MHB	0x000310BC
MCS1_CH1_PC	0x000310C0
MCS1_CH1_IRQ_NOTIFY	0x000310C4
MCS1_CH1_IRQ_EN	0x000310C8
MCS1_CH1_IRQ_FORCINT	0x000310CC
MCS1_CH1_IRQ_MODE	0x000310D0
MCS1_CH1_EIRQ_EN	0x000310D4
MCS1_CH2_R0	0x00031100
MCS1_CH2_R1	0x00031104
MCS1_CH2_R2	0x00031108
MCS1_CH2_R3	0x0003110C
MCS1_CH2_R4	0x00031110
MCS1_CH2_R5	0x00031114
MCS1_CH2_R6	0x00031118
MCS1_CH2_R7	0x0003111C
MCS1_CH2_CTRL	0x00031120
MCS1_CH2_ACB	0x00031124
MCS1_CH2_MHB	0x0003113C
MCS1_CH2_PC	0x00031140
MCS1_CH2_IRQ_NOTIFY	0x00031144
MCS1_CH2_IRQ_EN	0x00031148
MCS1_CH2_IRQ_FORCINT	0x0003114C
MCS1_CH2_IRQ_MODE	0x00031150
MCS1_CH2_EIRQ_EN	0x00031154
MCS1_CH3_R0	0x00031180
MCS1_CH3_R1	0x00031184
MCS1_CH3_R2	0x00031188
MCS1_CH3_R3	0x0003118C
MCS1_CH3_R4	0x00031190

Address name	Address number
MCS1_CH3_R5	0x00031194
MCS1_CH3_R6	0x00031198
MCS1_CH3_R7	0x0003119C
MCS1_CH3_CTRL	0x000311A0
MCS1_CH3_ACB	0x000311A4
MCS1_CH3_MHB	0x000311BC
MCS1_CH3_PC	0x000311C0
MCS1_CH3_IRQ_NOTIFY	0x000311C4
MCS1_CH3_IRQ_EN	0x000311C8
MCS1_CH3_IRQ_FORCINT	0x000311CC
MCS1_CH3_IRQ_MODE	0x000311D0
MCS1_CH3_EIRQ_EN	0x000311D4
MCS1_CH4_R0	0x00031200
MCS1_CH4_R1	0x00031204
MCS1_CH4_R2	0x00031208
MCS1_CH4_R3	0x0003120C
MCS1_CH4_R4	0x00031210
MCS1_CH4_R5	0x00031214
MCS1_CH4_R6	0x00031218
MCS1_CH4_R7	0x0003121C
MCS1_CH4_CTRL	0x00031220
MCS1_CH4_ACB	0x00031224
MCS1_CH4_MHB	0x0003123C
MCS1_CH4_PC	0x00031240
MCS1_CH4_IRQ_NOTIFY	0x00031244
MCS1_CH4_IRQ_EN	0x00031248
MCS1_CH4_IRQ_FORCINT	0x0003124C
MCS1_CH4_IRQ_MODE	0x00031250
MCS1_CH4_EIRQ_EN	0x00031254
MCS1_CH5_R0	0x00031280
MCS1_CH5_R1	0x00031284
MCS1_CH5_R2	0x00031288
MCS1_CH5_R3	0x0003128C
MCS1_CH5_R4	0x00031290
MCS1_CH5_R5	0x00031294
MCS1_CH5_R6	0x00031298
MCS1_CH5_R7	0x0003129C
MCS1_CH5_CTRL	0x000312A0

Address name	Address number
MCS1_CH5_ACB	0x000312A4
MCS1_CH5_MHB	0x000312BC
MCS1_CH5_PC	0x000312C0
MCS1_CH5_IRQ_NOTIFY	0x000312C4
MCS1_CH5_IRQ_EN	0x000312C8
MCS1_CH5_IRQ_FORCINT	0x000312CC
MCS1_CH5_IRQ_MODE	0x000312D0
MCS1_CH5_EIRQ_EN	0x000312D4
MCS1_CH6_R0	0x00031300
MCS1_CH6_R1	0x00031304
MCS1_CH6_R2	0x00031308
MCS1_CH6_R3	0x0003130C
MCS1_CH6_R4	0x00031310
MCS1_CH6_R5	0x00031314
MCS1_CH6_R6	0x00031318
MCS1_CH6_R7	0x0003131C
MCS1_CH6_CTRL	0x00031320
MCS1_CH6_ACB	0x00031324
MCS1_CH6_MHB	0x0003133C
MCS1_CH6_PC	0x00031340
MCS1_CH6_IRQ_NOTIFY	0x00031344
MCS1_CH6_IRQ_EN	0x00031348
MCS1_CH6_IRQ_FORCINT	0x0003134C
MCS1_CH6_IRQ_MODE	0x00031350
MCS1_CH6_EIRQ_EN	0x00031354
MCS1_CH7_R0	0x00031380
MCS1_CH7_R1	0x00031384
MCS1_CH7_R2	0x00031388
MCS1_CH7_R3	0x0003138C
MCS1_CH7_R4	0x00031390
MCS1_CH7_R5	0x00031394
MCS1_CH7_R6	0x00031398
MCS1_CH7_R7	0x0003139C
MCS1_CH7_CTRL	0x000313A0
MCS1_CH7_ACB	0x000313A4
MCS1_CH7_MHB	0x000313BC
MCS1_CH7_PC	0x000313C0
MCS1_CH7_IRQ_NOTIFY	0x000313C4

Address name	Address number
MCS1_CH7_IRQ_EN	0x000313C8
MCS1_CH7_IRQ_FORCINT	0x000313CC
MCS1_CH7_IRQ_MODE	0x000313D0
MCS1_CH7_EIRQ_EN	0x000313D4
MCS1_CH8_R0	0x00031400
MCS1_CH8_R1	0x00031404
MCS1_CH8_R2	0x00031408
MCS1_CH8_R3	0x0003140C
MCS1_CH8_R4	0x00031410
MCS1_CH8_R5	0x00031414
MCS1_CH8_R6	0x00031418
MCS1_CH8_R7	0x0003141C
MCS1_CH8_CTRL	0x00031420
MCS1_CH8_ACB	0x00031424
MCS1_CH8_MHB	0x0003143C
MCS1_CH8_PC	0x00031440
MCS1_CH8_IRQ_NOTIFY	0x00031444
MCS1_CH8_IRQ_EN	0x00031448
MCS1_CH8_IRQ_FORCINT	0x0003144C
MCS1_CH8_IRQ_MODE	0x00031450
MCS1_CH8_EIRQ_EN	0x00031454
MCS2_CH0_R0	0x00032000
MCS2_CH0_R1	0x00032004
MCS2_CH0_R2	0x00032008
MCS2_CH0_R3	0x0003200C
MCS2_CH0_R4	0x00032010
MCS2_CH0_R5	0x00032014
MCS2_CH0_R6	0x00032018
MCS2_CH0_R7	0x0003201C
MCS2_CH0_CTRL	0x00032020
MCS2_CH0_ACB	0x00032024
MCS2_CTRG	0x00032028
MCS2_STRG	0x0003202C
MCS2_CH0_MHB	0x0003203C
MCS2_CH0_PC	0x00032040
MCS2_CH0_IRQ_NOTIFY	0x00032044
MCS2_CH0_IRQ_EN	0x00032048
MCS2_CH0_IRQ_FORCINT	0x0003204C

Address name	Address number
MCS2_CH0_IRQ_MODE	0x00032050
MCS2_CH0_EIRQ_EN	0x00032054
MCS2_CAT	0x0003206C
MCS2_CWT	0x00032070
MCS2_CTRL	0x00032074
MCS2_RST	0x00032078
MCS2_ERR	0x0003207C
MCS2_CH1_R0	0x00032080
MCS2_CH1_R1	0x00032084
MCS2_CH1_R2	0x00032088
MCS2_CH1_R3	0x0003208C
MCS2_CH1_R4	0x00032090
MCS2_CH1_R5	0x00032094
MCS2_CH1_R6	0x00032098
MCS2_CH1_R7	0x0003209C
MCS2_CH1_CTRL	0x000320A0
MCS2_CH1_ACB	0x000320A4
MCS2_CH1_MHB	0x000320BC
MCS2_CH1_PC	0x000320C0
MCS2_CH1_IRQ_NOTIFY	0x000320C4
MCS2_CH1_IRQ_EN	0x000320C8
MCS2_CH1_IRQ_FORCINT	0x000320CC
MCS2_CH1_IRQ_MODE	0x000320D0
MCS2_CH1_EIRQ_EN	0x000320D4
MCS2_CH2_R0	0x00032100
MCS2_CH2_R1	0x00032104
MCS2_CH2_R2	0x00032108
MCS2_CH2_R3	0x0003210C
MCS2_CH2_R4	0x00032110
MCS2_CH2_R5	0x00032114
MCS2_CH2_R6	0x00032118
MCS2_CH2_R7	0x0003211C
MCS2_CH2_CTRL	0x00032120
MCS2_CH2_ACB	0x00032124
MCS2_CH2_MHB	0x0003213C
MCS2_CH2_PC	0x00032140
MCS2_CH2_IRQ_NOTIFY	0x00032144
MCS2_CH2_IRQ_EN	0x00032148

Address name	Address number
MCS2_CH2_IRQ_FORCINT	0x0003214C
MCS2_CH2_IRQ_MODE	0x00032150
MCS2_CH2_EIRQ_EN	0x00032154
MCS2_CH3_R0	0x00032180
MCS2_CH3_R1	0x00032184
MCS2_CH3_R2	0x00032188
MCS2_CH3_R3	0x0003218C
MCS2_CH3_R4	0x00032190
MCS2_CH3_R5	0x00032194
MCS2_CH3_R6	0x00032198
MCS2_CH3_R7	0x0003219C
MCS2_CH3_CTRL	0x000321A0
MCS2_CH3_ACB	0x000321A4
MCS2_CH3_MHB	0x000321BC
MCS2_CH3_PC	0x000321C0
MCS2_CH3_IRQ_NOTIFY	0x000321C4
MCS2_CH3_IRQ_EN	0x000321C8
MCS2_CH3_IRQ_FORCINT	0x000321CC
MCS2_CH3_IRQ_MODE	0x000321D0
MCS2_CH3_EIRQ_EN	0x000321D4
MCS2_CH4_R0	0x00032200
MCS2_CH4_R1	0x00032204
MCS2_CH4_R2	0x00032208
MCS2_CH4_R3	0x0003220C
MCS2_CH4_R4	0x00032210
MCS2_CH4_R5	0x00032214
MCS2_CH4_R6	0x00032218
MCS2_CH4_R7	0x0003221C
MCS2_CH4_CTRL	0x00032220
MCS2_CH4_ACB	0x00032224
MCS2_CH4_MHB	0x0003223C
MCS2_CH4_PC	0x00032240
MCS2_CH4_IRQ_NOTIFY	0x00032244
MCS2_CH4_IRQ_EN	0x00032248
MCS2_CH4_IRQ_FORCINT	0x0003224C
MCS2_CH4_IRQ_MODE	0x00032250
MCS2_CH4_EIRQ_EN	0x00032254
MCS2_CH5_R0	0x00032280

Address name	Address number
MCS2_CH5_R1	0x00032284
MCS2_CH5_R2	0x00032288
MCS2_CH5_R3	0x0003228C
MCS2_CH5_R4	0x00032290
MCS2_CH5_R5	0x00032294
MCS2_CH5_R6	0x00032298
MCS2_CH5_R7	0x0003229C
MCS2_CH5_CTRL	0x000322A0
MCS2_CH5_ACB	0x000322A4
MCS2_CH5_MHB	0x000322BC
MCS2_CH5_PC	0x000322C0
MCS2_CH5_IRQ_NOTIFY	0x000322C4
MCS2_CH5_IRQ_EN	0x000322C8
MCS2_CH5_IRQ_FORCINT	0x000322CC
MCS2_CH5_IRQ_MODE	0x000322D0
MCS2_CH5_EIRQ_EN	0x000322D4
MCS2_CH6_R0	0x00032300
MCS2_CH6_R1	0x00032304
MCS2_CH6_R2	0x00032308
MCS2_CH6_R3	0x0003230C
MCS2_CH6_R4	0x00032310
MCS2_CH6_R5	0x00032314
MCS2_CH6_R6	0x00032318
MCS2_CH6_R7	0x0003231C
MCS2_CH6_CTRL	0x00032320
MCS2_CH6_ACB	0x00032324
MCS2_CH6_MHB	0x0003233C
MCS2_CH6_PC	0x00032340
MCS2_CH6_IRQ_NOTIFY	0x00032344
MCS2_CH6_IRQ_EN	0x00032348
MCS2_CH6_IRQ_FORCINT	0x0003234C
MCS2_CH6_IRQ_MODE	0x00032350
MCS2_CH6_EIRQ_EN	0x00032354
MCS2_CH7_R0	0x00032380
MCS2_CH7_R1	0x00032384
MCS2_CH7_R2	0x00032388
MCS2_CH7_R3	0x0003238C
MCS2_CH7_R4	0x00032390

Address name	Address number
MCS2_CH7_R5	0x00032394
MCS2_CH7_R6	0x00032398
MCS2_CH7_R7	0x0003239C
MCS2_CH7_CTRL	0x000323A0
MCS2_CH7_ACB	0x000323A4
MCS2_CH7_MHB	0x000323BC
MCS2_CH7_PC	0x000323C0
MCS2_CH7_IRQ_NOTIFY	0x000323C4
MCS2_CH7_IRQ_EN	0x000323C8
MCS2_CH7_IRQ_FORCINT	0x000323CC
MCS2_CH7_IRQ_MODE	0x000323D0
MCS2_CH7_EIRQ_EN	0x000323D4
MCS2_CH8_R0	0x00032400
MCS2_CH8_R1	0x00032404
MCS2_CH8_R2	0x00032408
MCS2_CH8_R3	0x0003240C
MCS2_CH8_R4	0x00032410
MCS2_CH8_R5	0x00032414
MCS2_CH8_R6	0x00032418
MCS2_CH8_R7	0x0003241C
MCS2_CH8_CTRL	0x00032420
MCS2_CH8_ACB	0x00032424
MCS2_CH8_MHB	0x0003243C
MCS2_CH8_PC	0x00032440
MCS2_CH8_IRQ_NOTIFY	0x00032444
MCS2_CH8_IRQ_EN	0x00032448
MCS2_CH8_IRQ_FORCINT	0x0003244C
MCS2_CH8_IRQ_MODE	0x00032450
MCS2_CH8_EIRQ_EN	0x00032454
MCS3_CH0_R0	0x00033000
MCS3_CH0_R1	0x00033004
MCS3_CH0_R2	0x00033008
MCS3_CH0_R3	0x0003300C
MCS3_CH0_R4	0x00033010
MCS3_CH0_R5	0x00033014
MCS3_CH0_R6	0x00033018
MCS3_CH0_R7	0x0003301C
MCS3_CH0_CTRL	0x00033020

Address name	Address number
MCS3_CH0_ACB	0x00033024
MCS3_CTRG	0x00033028
MCS3_STRG	0x0003302C
MCS3_CH0_MHB	0x0003303C
MCS3_CH0_PC	0x00033040
MCS3_CH0_IRQ_NOTIFY	0x00033044
MCS3_CH0_IRQ_EN	0x00033048
MCS3_CH0_IRQ_FORCINT	0x0003304C
MCS3_CH0_IRQ_MODE	0x00033050
MCS3_CH0_EIRQ_EN	0x00033054
MCS3_CAT	0x0003306C
MCS3_CWT	0x00033070
MCS3_CTRL	0x00033074
MCS3_RST	0x00033078
MCS3_ERR	0x0003307C
MCS3_CH1_R0	0x00033080
MCS3_CH1_R1	0x00033084
MCS3_CH1_R2	0x00033088
MCS3_CH1_R3	0x0003308C
MCS3_CH1_R4	0x00033090
MCS3_CH1_R5	0x00033094
MCS3_CH1_R6	0x00033098
MCS3_CH1_R7	0x0003309C
MCS3_CH1_CTRL	0x000330A0
MCS3_CH1_ACB	0x000330A4
MCS3_CH1_MHB	0x000330BC
MCS3_CH1_PC	0x000330C0
MCS3_CH1_IRQ_NOTIFY	0x000330C4
MCS3_CH1_IRQ_EN	0x000330C8
MCS3_CH1_IRQ_FORCINT	0x000330CC
MCS3_CH1_IRQ_MODE	0x000330D0
MCS3_CH1_EIRQ_EN	0x000330D4
MCS3_CH2_R0	0x00033100
MCS3_CH2_R1	0x00033104
MCS3_CH2_R2	0x00033108
MCS3_CH2_R3	0x0003310C
MCS3_CH2_R4	0x00033110
MCS3_CH2_R5	0x00033114

Address name	Address number
MCS3_CH2_R6	0x00033118
MCS3_CH2_R7	0x0003311C
MCS3_CH2_CTRL	0x00033120
MCS3_CH2_ACB	0x00033124
MCS3_CH2_MHB	0x0003313C
MCS3_CH2_PC	0x00033140
MCS3_CH2_IRQ_NOTIFY	0x00033144
MCS3_CH2_IRQ_EN	0x00033148
MCS3_CH2_IRQ_FORCINT	0x0003314C
MCS3_CH2_IRQ_MODE	0x00033150
MCS3_CH2_EIRQ_EN	0x00033154
MCS3_CH3_R0	0x00033180
MCS3_CH3_R1	0x00033184
MCS3_CH3_R2	0x00033188
MCS3_CH3_R3	0x0003318C
MCS3_CH3_R4	0x00033190
MCS3_CH3_R5	0x00033194
MCS3_CH3_R6	0x00033198
MCS3_CH3_R7	0x0003319C
MCS3_CH3_CTRL	0x000331A0
MCS3_CH3_ACB	0x000331A4
MCS3_CH3_MHB	0x000331BC
MCS3_CH3_PC	0x000331C0
MCS3_CH3_IRQ_NOTIFY	0x000331C4
MCS3_CH3_IRQ_EN	0x000331C8
MCS3_CH3_IRQ_FORCINT	0x000331CC
MCS3_CH3_IRQ_MODE	0x000331D0
MCS3_CH3_EIRQ_EN	0x000331D4
MCS3_CH4_R0	0x00033200
MCS3_CH4_R1	0x00033204
MCS3_CH4_R2	0x00033208
MCS3_CH4_R3	0x0003320C
MCS3_CH4_R4	0x00033210
MCS3_CH4_R5	0x00033214
MCS3_CH4_R6	0x00033218
MCS3_CH4_R7	0x0003321C
MCS3_CH4_CTRL	0x00033220
MCS3_CH4_ACB	0x00033224

Address name	Address number
MCS3_CH4_MHB	0x0003323C
MCS3_CH4_PC	0x00033240
MCS3_CH4_IRQ_NOTIFY	0x00033244
MCS3_CH4_IRQ_EN	0x00033248
MCS3_CH4_IRQ_FORCINT	0x0003324C
MCS3_CH4_IRQ_MODE	0x00033250
MCS3_CH4_EIRQ_EN	0x00033254
MCS3_CH5_R0	0x00033280
MCS3_CH5_R1	0x00033284
MCS3_CH5_R2	0x00033288
MCS3_CH5_R3	0x0003328C
MCS3_CH5_R4	0x00033290
MCS3_CH5_R5	0x00033294
MCS3_CH5_R6	0x00033298
MCS3_CH5_R7	0x0003329C
MCS3_CH5_CTRL	0x000332A0
MCS3_CH5_ACB	0x000332A4
MCS3_CH5_MHB	0x000332BC
MCS3_CH5_PC	0x000332C0
MCS3_CH5_IRQ_NOTIFY	0x000332C4
MCS3_CH5_IRQ_EN	0x000332C8
MCS3_CH5_IRQ_FORCINT	0x000332CC
MCS3_CH5_IRQ_MODE	0x000332D0
MCS3_CH5_EIRQ_EN	0x000332D4
MCS3_CH6_R0	0x00033300
MCS3_CH6_R1	0x00033304
MCS3_CH6_R2	0x00033308
MCS3_CH6_R3	0x0003330C
MCS3_CH6_R4	0x00033310
MCS3_CH6_R5	0x00033314
MCS3_CH6_R6	0x00033318
MCS3_CH6_R7	0x0003331C
MCS3_CH6_CTRL	0x00033320
MCS3_CH6_ACB	0x00033324
MCS3_CH6_MHB	0x0003333C
MCS3_CH6_PC	0x00033340
MCS3_CH6_IRQ_NOTIFY	0x00033344
MCS3_CH6_IRQ_EN	0x00033348

Address name	Address number
MCS3_CH6_IRQ_FORCINT	0x0003334C
MCS3_CH6_IRQ_MODE	0x00033350
MCS3_CH6_EIRQ_EN	0x00033354
MCS3_CH7_R0	0x00033380
MCS3_CH7_R1	0x00033384
MCS3_CH7_R2	0x00033388
MCS3_CH7_R3	0x0003338C
MCS3_CH7_R4	0x00033390
MCS3_CH7_R5	0x00033394
MCS3_CH7_R6	0x00033398
MCS3_CH7_R7	0x0003339C
MCS3_CH7_CTRL	0x000333A0
MCS3_CH7_ACB	0x000333A4
MCS3_CH7_MHB	0x000333BC
MCS3_CH7_PC	0x000333C0
MCS3_CH7_IRQ_NOTIFY	0x000333C4
MCS3_CH7_IRQ_EN	0x000333C8
MCS3_CH7_IRQ_FORCINT	0x000333CC
MCS3_CH7_IRQ_MODE	0x000333D0
MCS3_CH7_EIRQ_EN	0x000333D4
MCS3_CH8_R0	0x00033400
MCS3_CH8_R1	0x00033404
MCS3_CH8_R2	0x00033408
MCS3_CH8_R3	0x0003340C
MCS3_CH8_R4	0x00033410
MCS3_CH8_R5	0x00033414
MCS3_CH8_R6	0x00033418
MCS3_CH8_R7	0x0003341C
MCS3_CH8_CTRL	0x00033420
MCS3_CH8_ACB	0x00033424
MCS3_CH8_MHB	0x0003343C
MCS3_CH8_PC	0x00033440
MCS3_CH8_IRQ_NOTIFY	0x00033444
MCS3_CH8_IRQ_EN	0x00033448
MCS3_CH8_IRQ_FORCINT	0x0003344C
MCS3_CH8_IRQ_MODE	0x00033450
MCS3_CH8_EIRQ_EN	0x00033454
MCS4_CH0_R0	0x00034000

Address name	Address number
MCS4_CH0_R1	0x00034004
MCS4_CH0_R2	0x00034008
MCS4_CH0_R3	0x0003400C
MCS4_CH0_R4	0x00034010
MCS4_CH0_R5	0x00034014
MCS4_CH0_R6	0x00034018
MCS4_CH0_R7	0x0003401C
MCS4_CH0_CTRL	0x00034020
MCS4_CH0_ACB	0x00034024
MCS4_CTRG	0x00034028
MCS4_STRG	0x0003402C
MCS4_CH0_MHB	0x0003403C
MCS4_CH0_PC	0x00034040
MCS4_CH0_IRQ_NOTIFY	0x00034044
MCS4_CH0_IRQ_EN	0x00034048
MCS4_CH0_IRQ_FORCINT	0x0003404C
MCS4_CH0_IRQ_MODE	0x00034050
MCS4_CH0_EIRQ_EN	0x00034054
MCS4_CAT	0x0003406C
MCS4_CWT	0x00034070
MCS4_CTRL	0x00034074
MCS4_RST	0x00034078
MCS4_ERR	0x0003407C
MCS4_CH1_R0	0x00034080
MCS4_CH1_R1	0x00034084
MCS4_CH1_R2	0x00034088
MCS4_CH1_R3	0x0003408C
MCS4_CH1_R4	0x00034090
MCS4_CH1_R5	0x00034094
MCS4_CH1_R6	0x00034098
MCS4_CH1_R7	0x0003409C
MCS4_CH1_CTRL	0x000340A0
MCS4_CH1_ACB	0x000340A4
MCS4_CH1_MHB	0x000340BC
MCS4_CH1_PC	0x000340C0
MCS4_CH1_IRQ_NOTIFY	0x000340C4
MCS4_CH1_IRQ_EN	0x000340C8
MCS4_CH1_IRQ_FORCINT	0x000340CC

Address name	Address number
MCS4_CH1_IRQ_MODE	0x000340D0
MCS4_CH1_EIRQ_EN	0x000340D4
MCS4_CH2_R0	0x00034100
MCS4_CH2_R1	0x00034104
MCS4_CH2_R2	0x00034108
MCS4_CH2_R3	0x0003410C
MCS4_CH2_R4	0x00034110
MCS4_CH2_R5	0x00034114
MCS4_CH2_R6	0x00034118
MCS4_CH2_R7	0x0003411C
MCS4_CH2_CTRL	0x00034120
MCS4_CH2_ACB	0x00034124
MCS4_CH2_MHB	0x0003413C
MCS4_CH2_PC	0x00034140
MCS4_CH2_IRQ_NOTIFY	0x00034144
MCS4_CH2_IRQ_EN	0x00034148
MCS4_CH2_IRQ_FORCINT	0x0003414C
MCS4_CH2_IRQ_MODE	0x00034150
MCS4_CH2_EIRQ_EN	0x00034154
MCS4_CH3_R0	0x00034180
MCS4_CH3_R1	0x00034184
MCS4_CH3_R2	0x00034188
MCS4_CH3_R3	0x0003418C
MCS4_CH3_R4	0x00034190
MCS4_CH3_R5	0x00034194
MCS4_CH3_R6	0x00034198
MCS4_CH3_R7	0x0003419C
MCS4_CH3_CTRL	0x000341A0
MCS4_CH3_ACB	0x000341A4
MCS4_CH3_MHB	0x000341BC
MCS4_CH3_PC	0x000341C0
MCS4_CH3_IRQ_NOTIFY	0x000341C4
MCS4_CH3_IRQ_EN	0x000341C8
MCS4_CH3_IRQ_FORCINT	0x000341CC
MCS4_CH3_IRQ_MODE	0x000341D0
MCS4_CH3_EIRQ_EN	0x000341D4
MCS4_CH4_R0	0x00034200
MCS4_CH4_R1	0x00034204

Address name	Address number
MCS4_CH4_R2	0x00034208
MCS4_CH4_R3	0x0003420C
MCS4_CH4_R4	0x00034210
MCS4_CH4_R5	0x00034214
MCS4_CH4_R6	0x00034218
MCS4_CH4_R7	0x0003421C
MCS4_CH4_CTRL	0x00034220
MCS4_CH4_ACB	0x00034224
MCS4_CH4_MHB	0x0003423C
MCS4_CH4_PC	0x00034240
MCS4_CH4_IRQ_NOTIFY	0x00034244
MCS4_CH4_IRQ_EN	0x00034248
MCS4_CH4_IRQ_FORCINT	0x0003424C
MCS4_CH4_IRQ_MODE	0x00034250
MCS4_CH4_EIRQ_EN	0x00034254
MCS4_CH5_R0	0x00034280
MCS4_CH5_R1	0x00034284
MCS4_CH5_R2	0x00034288
MCS4_CH5_R3	0x0003428C
MCS4_CH5_R4	0x00034290
MCS4_CH5_R5	0x00034294
MCS4_CH5_R6	0x00034298
MCS4_CH5_R7	0x0003429C
MCS4_CH5_CTRL	0x000342A0
MCS4_CH5_ACB	0x000342A4
MCS4_CH5_MHB	0x000342BC
MCS4_CH5_PC	0x000342C0
MCS4_CH5_IRQ_NOTIFY	0x000342C4
MCS4_CH5_IRQ_EN	0x000342C8
MCS4_CH5_IRQ_FORCINT	0x000342CC
MCS4_CH5_IRQ_MODE	0x000342D0
MCS4_CH5_EIRQ_EN	0x000342D4
MCS4_CH6_R0	0x00034300
MCS4_CH6_R1	0x00034304
MCS4_CH6_R2	0x00034308
MCS4_CH6_R3	0x0003430C
MCS4_CH6_R4	0x00034310
MCS4_CH6_R5	0x00034314

Address name	Address number
MCS4_CH6_R6	0x00034318
MCS4_CH6_R7	0x0003431C
MCS4_CH6_CTRL	0x00034320
MCS4_CH6_ACB	0x00034324
MCS4_CH6_MHB	0x0003433C
MCS4_CH6_PC	0x00034340
MCS4_CH6_IRQ_NOTIFY	0x00034344
MCS4_CH6_IRQ_EN	0x00034348
MCS4_CH6_IRQ_FORCINT	0x0003434C
MCS4_CH6_IRQ_MODE	0x00034350
MCS4_CH6_EIRQ_EN	0x00034354
MCS4_CH7_R0	0x00034380
MCS4_CH7_R1	0x00034384
MCS4_CH7_R2	0x00034388
MCS4_CH7_R3	0x0003438C
MCS4_CH7_R4	0x00034390
MCS4_CH7_R5	0x00034394
MCS4_CH7_R6	0x00034398
MCS4_CH7_R7	0x0003439C
MCS4_CH7_CTRL	0x000343A0
MCS4_CH7_ACB	0x000343A4
MCS4_CH7_MHB	0x000343BC
MCS4_CH7_PC	0x000343C0
MCS4_CH7_IRQ_NOTIFY	0x000343C4
MCS4_CH7_IRQ_EN	0x000343C8
MCS4_CH7_IRQ_FORCINT	0x000343CC
MCS4_CH7_IRQ_MODE	0x000343D0
MCS4_CH7_EIRQ_EN	0x000343D4
MCS4_CH8_R0	0x00034400
MCS4_CH8_R1	0x00034404
MCS4_CH8_R2	0x00034408
MCS4_CH8_R3	0x0003440C
MCS4_CH8_R4	0x00034410
MCS4_CH8_R5	0x00034414
MCS4_CH8_R6	0x00034418
MCS4_CH8_R7	0x0003441C
MCS4_CH8_CTRL	0x00034420
MCS4_CH8_ACB	0x00034424

Address name	Address number
MCS4_CH8_MHB	0x0003443C
MCS4_CH8_PC	0x00034440
MCS4_CH8_IRQ_NOTIFY	0x00034444
MCS4_CH8_IRQ_EN	0x00034448
MCS4_CH8_IRQ_FORCINT	0x0003444C
MCS4_CH8_IRQ_MODE	0x00034450
MCS4_CH8_EIRQ_EN	0x00034454
MCS5_CH0_R0	0x00035000
MCS5_CH0_R1	0x00035004
MCS5_CH0_R2	0x00035008
MCS5_CH0_R3	0x0003500C
MCS5_CH0_R4	0x00035010
MCS5_CH0_R5	0x00035014
MCS5_CH0_R6	0x00035018
MCS5_CH0_R7	0x0003501C
MCS5_CH0_CTRL	0x00035020
MCS5_CH0_ACB	0x00035024
MCS5_CTRG	0x00035028
MCS5_STRG	0x0003502C
MCS5_CH0_MHB	0x0003503C
MCS5_CH0_PC	0x00035040
MCS5_CH0_IRQ_NOTIFY	0x00035044
MCS5_CH0_IRQ_EN	0x00035048
MCS5_CH0_IRQ_FORCINT	0x0003504C
MCS5_CH0_IRQ_MODE	0x00035050
MCS5_CH0_EIRQ_EN	0x00035054
MCS5_CAT	0x0003506C
MCS5_CWT	0x00035070
MCS5_CTRL	0x00035074
MCS5_RST	0x00035078
MCS5_ERR	0x0003507C
MCS5_CH1_R0	0x00035080
MCS5_CH1_R1	0x00035084
MCS5_CH1_R2	0x00035088
MCS5_CH1_R3	0x0003508C
MCS5_CH1_R4	0x00035090
MCS5_CH1_R5	0x00035094
MCS5_CH1_R6	0x00035098

Address name	Address number
MCS5_CH1_R7	0x0003509C
MCS5_CH1_CTRL	0x000350A0
MCS5_CH1_ACB	0x000350A4
MCS5_CH1_MHB	0x000350BC
MCS5_CH1_PC	0x000350C0
MCS5_CH1_IRQ_NOTIFY	0x000350C4
MCS5_CH1_IRQ_EN	0x000350C8
MCS5_CH1_IRQ_FORCINT	0x000350CC
MCS5_CH1_IRQ_MODE	0x000350D0
MCS5_CH1_EIRQ_EN	0x000350D4
MCS5_CH2_R0	0x00035100
MCS5_CH2_R1	0x00035104
MCS5_CH2_R2	0x00035108
MCS5_CH2_R3	0x0003510C
MCS5_CH2_R4	0x00035110
MCS5_CH2_R5	0x00035114
MCS5_CH2_R6	0x00035118
MCS5_CH2_R7	0x0003511C
MCS5_CH2_CTRL	0x00035120
MCS5_CH2_ACB	0x00035124
MCS5_CH2_MHB	0x0003513C
MCS5_CH2_PC	0x00035140
MCS5_CH2_IRQ_NOTIFY	0x00035144
MCS5_CH2_IRQ_EN	0x00035148
MCS5_CH2_IRQ_FORCINT	0x0003514C
MCS5_CH2_IRQ_MODE	0x00035150
MCS5_CH2_EIRQ_EN	0x00035154
MCS5_CH3_R0	0x00035180
MCS5_CH3_R1	0x00035184
MCS5_CH3_R2	0x00035188
MCS5_CH3_R3	0x0003518C
MCS5_CH3_R4	0x00035190
MCS5_CH3_R5	0x00035194
MCS5_CH3_R6	0x00035198
MCS5_CH3_R7	0x0003519C
MCS5_CH3_CTRL	0x000351A0
MCS5_CH3_ACB	0x000351A4
MCS5_CH3_MHB	0x000351BC

Address name	Address number
MCS5_CH3_PC	0x000351C0
MCS5_CH3_IRQ_NOTIFY	0x000351C4
MCS5_CH3_IRQ_EN	0x000351C8
MCS5_CH3_IRQ_FORCINT	0x000351CC
MCS5_CH3_IRQ_MODE	0x000351D0
MCS5_CH3_EIRQ_EN	0x000351D4
MCS5_CH4_R0	0x00035200
MCS5_CH4_R1	0x00035204
MCS5_CH4_R2	0x00035208
MCS5_CH4_R3	0x0003520C
MCS5_CH4_R4	0x00035210
MCS5_CH4_R5	0x00035214
MCS5_CH4_R6	0x00035218
MCS5_CH4_R7	0x0003521C
MCS5_CH4_CTRL	0x00035220
MCS5_CH4_ACB	0x00035224
MCS5_CH4_MHB	0x0003523C
MCS5_CH4_PC	0x00035240
MCS5_CH4_IRQ_NOTIFY	0x00035244
MCS5_CH4_IRQ_EN	0x00035248
MCS5_CH4_IRQ_FORCINT	0x0003524C
MCS5_CH4_IRQ_MODE	0x00035250
MCS5_CH4_EIRQ_EN	0x00035254
MCS5_CH5_R0	0x00035280
MCS5_CH5_R1	0x00035284
MCS5_CH5_R2	0x00035288
MCS5_CH5_R3	0x0003528C
MCS5_CH5_R4	0x00035290
MCS5_CH5_R5	0x00035294
MCS5_CH5_R6	0x00035298
MCS5_CH5_R7	0x0003529C
MCS5_CH5_CTRL	0x000352A0
MCS5_CH5_ACB	0x000352A4
MCS5_CH5_MHB	0x000352BC
MCS5_CH5_PC	0x000352C0
MCS5_CH5_IRQ_NOTIFY	0x000352C4
MCS5_CH5_IRQ_EN	0x000352C8
MCS5_CH5_IRQ_FORCINT	0x000352CC

Address name	Address number
MCS5_CH5_IRQ_MODE	0x000352D0
MCS5_CH5_EIRQ_EN	0x000352D4
MCS5_CH6_R0	0x00035300
MCS5_CH6_R1	0x00035304
MCS5_CH6_R2	0x00035308
MCS5_CH6_R3	0x0003530C
MCS5_CH6_R4	0x00035310
MCS5_CH6_R5	0x00035314
MCS5_CH6_R6	0x00035318
MCS5_CH6_R7	0x0003531C
MCS5_CH6_CTRL	0x00035320
MCS5_CH6_ACB	0x00035324
MCS5_CH6_MHB	0x0003533C
MCS5_CH6_PC	0x00035340
MCS5_CH6_IRQ_NOTIFY	0x00035344
MCS5_CH6_IRQ_EN	0x00035348
MCS5_CH6_IRQ_FORCINT	0x0003534C
MCS5_CH6_IRQ_MODE	0x00035350
MCS5_CH6_EIRQ_EN	0x00035354
MCS5_CH7_R0	0x00035380
MCS5_CH7_R1	0x00035384
MCS5_CH7_R2	0x00035388
MCS5_CH7_R3	0x0003538C
MCS5_CH7_R4	0x00035390
MCS5_CH7_R5	0x00035394
MCS5_CH7_R6	0x00035398
MCS5_CH7_R7	0x0003539C
MCS5_CH7_CTRL	0x000353A0
MCS5_CH7_ACB	0x000353A4
MCS5_CH7_MHB	0x000353BC
MCS5_CH7_PC	0x000353C0
MCS5_CH7_IRQ_NOTIFY	0x000353C4
MCS5_CH7_IRQ_EN	0x000353C8
MCS5_CH7_IRQ_FORCINT	0x000353CC
MCS5_CH7_IRQ_MODE	0x000353D0
MCS5_CH7_EIRQ_EN	0x000353D4
MCS5_CH8_R0	0x00035400
MCS5_CH8_R1	0x00035404

Address name	Address number
MCS5_CH8_R2	0x00035408
MCS5_CH8_R3	0x0003540C
MCS5_CH8_R4	0x00035410
MCS5_CH8_R5	0x00035414
MCS5_CH8_R6	0x00035418
MCS5_CH8_R7	0x0003541C
MCS5_CH8_CTRL	0x00035420
MCS5_CH8_ACB	0x00035424
MCS5_CH8_MHB	0x0003543C
MCS5_CH8_PC	0x00035440
MCS5_CH8_IRQ_NOTIFY	0x00035444
MCS5_CH8_IRQ_EN	0x00035448
MCS5_CH8_IRQ_FORCINT	0x0003544C
MCS5_CH8_IRQ_MODE	0x00035450
MCS5_CH8_EIRQ_EN	0x00035454
MCS0_MEM	0x00038000
MCS0_MEM_END	0x0003BFFC
MCS1_MEM	0x00040000
MCS1_MEM_END	0x00043FFC
MCS2_MEM	0x00048000
MCS2_MEM_END	0x0004BFFC
MCS3_MEM	0x00050000
MCS3_MEM_END	0x00053FFC
MCS4_MEM	0x00058000
MCS4_MEM_END	0x0005BFFC
MCS5_MEM	0x00060000
MCS5_MEM_END	0x00063FFC

1.6 Memory Address Ranges

The following table lists the address ranges of FIFO and DPLL memory mapped RAM regions implemented in the GTM-IP. The submodule address offsets are already applied in this table.

Table 3: Memory Address Ranges

Submodule	Memory Address Ranges
FIFO0_MEMORY	0x00019000 – 0x00019FFC
FIFO1_MEMORY	0x0001D000 – 0x0001DFFC
DPLL_RAM1A	0x00028200 – 0x000283FC
DPLL_RAM1B	0x00028400 – 0x000285FC
DPLL_RAM1C	0x00028600 – 0x000289FC
DPLL_RAM2	0x0002C000 – 0x0002FFFC

The following table lists the address ranges of all MCS memory mapped RAM regions implemented in the GTM-IP. The submodule address offsets are already applied in this table. Since the GTM-IP supports a configurable RAM size for MCS RAM ports, the table list default, minimum and maximum values for the upper memory addresses with memory layout configuration parameter MCS_RAM1_EN_ADDR_MSB = 0, whereas the minimum and maximum addresses can be found in brackets.

Table 4: Memory Address Ranges

Submodule	Memory Address Ranges
MCS0_MEMORY	0x00038000 – 0x000397FC (0x000387FC , 0x0003A7FC)
MCS1_MEMORY	0x00040000 – 0x000417FC (0x000407FC , 0x000427FC)
MCS2_MEMORY	0x00048000 – 0x000497FC (0x000487FC , 0x0004A7FC)
MCS3_MEMORY	0x00050000 – 0x000517FC (0x000507FC , 0x000527FC)
MCS4_MEMORY	0x00058000 – 0x000597FC (0x000587FC , 0x0005A7FC)
MCS5_MEMORY	0x00060000 – 0x000617FC (0x000607FC , 0x000627FC)

The following table lists the address ranges of all MCS memory mapped RAM regions implemented in the GTM-IP. The submodule address offsets are already applied in this table. Since the GTM-IP supports a configurable RAM size for MCS RAM ports, the table list default, minimum and maximum values for the upper memory addresses with memory layout configuration parameter MCS_RAM1_EN_ADDR_MSB = 1, whereas the minimum and maximum addresses can be found in brackets.

Table 5: Memory Address Ranges

Submodule	Memory Address Ranges
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MCS0_MEMORY	0x00038000 – 0x00039FFC (0x00038FFC , 0x0003AFFC)
MCS1_MEMORY	0x00040000 – 0x00041FFC (0x00040FFC , 0x00042FFC)
MCS2_MEMORY	0x00048000 – 0x00049FFC (0x00048FFC , 0x0004AFFC)
MCS3_MEMORY	0x00050000 – 0x000517FC (0x00050FFC , 0x00052FFC)
MCS4_MEMORY	0x00058000 – 0x000597FC (0x00058FFC , 0x0005AFFC)
MCS5_MEMORY	0x00060000 – 0x000617FC (0x00060FFC , 0x00062FFC)

1.7 ARU

1.7.1 ARU Write Address Overview

Name	Address		Name	Address
ARU_ACCESS	0x000		ATOM [0 .. 8]	
TIM [0 .. 5]			ATOM0_WRADDR[0..7]	0x11F..0x126
TIM0_WRADDR[0..7]	0x001..0x008		ATOM1_WRADDR[0..7]	0x127..0x12E
TIM1_WRADDR[0..7]	0x009..0x010		ATOM2_WRADDR[0..7]	0x12F..0x136
TIM2_WRADDR[0..7]	0x011..0x018		ATOM3_WRADDR[0..7]	0x137..0x13E
TIM3_WRADDR[0..7]	0x019..0x020		ATOM4_WRADDR[0..7]	0x13F..0x146
TIM4_WRADDR[0..7]	0x021..0x028		ATOM5_WRADDR[0..7]	0x147..0x14E
TIM5_WRADDR[0..7]	0x029..0x030		ATOM6_WRADDR[0..7]	0x14F..0x156
unused	0x031..0x038		ATOM7_WRADDR[0..7]	0x157..0x15E
unused	0x039..0x050		ATOM8_WRADDR[0..7]	0x15F..0x166
F2A [0 .. 1]			unused	0x167..0x16E
F2A0_WRADDR[0..7]	0x051..0x058		unused	0x16F..0x176
F2A1_WRADDR[0..7]	0x059..0x060		unused	0x177..0x17E
BRC			DPLL	
BRC_WRADDR[0..21]	0x061..0x076		DPLL_WRADDR[0..31]	0x17F..0x19E
MCS [0 .. 5]			misc	
MCS0_WRADDR[0..23]	0x077..0x08E		unused	0x19F..0x1FD
MCS1_WRADDR[0..23]	0x08F..0x0A6		ARU_EMPTY_ADDR	0x1FE
MCS2_WRADDR[0..23]	0x0A7..0x0BE		ARU_FULL_ADDR	0x1FF
MCS3_WRADDR[0..23]	0x0BF..0x0D6			
MCS4_WRADDR[0..23]	0x0D7..0x0EE			
MCS5_WRADDR[0..23]	0x0EF..0x106			
unused	0x107..0x11E			

1.7.2 ARU Round Trip Time

The round trip time of Device 104 is $113 * \text{SYS_CLK}$.

1.8 GTM Application constraints

If setting up an application on GTM-IP one has to take following constraints into account. Otherwise, the GTM-IP may not be able to fulfil the specified behaviour.

#	module	description	required value	effect, when not considered
1	DPLL	increment duration (time between two valid inputs of the DPLL: TRIGGER/STATE)	$> 23,4 \mu\text{s}$	the calculation of at least 3 actions per increment in addition to a proper micro-tick generation (Sub_inc) could not be ensured for a system clock frequency of 100 MHz
2	DPLL	TBU_BASE_CH0 difference for two successive valid input events of the DPLL	> 256 (for the chosen input resolution)	overflow in the calculation of the reciprocal values; the increment prediction and all other computations of the DPLL would become wrong
3	DPLL	CMU_CLK0 frequency	\leq half the frequency of system clock	the fast pulse correction in automatic end mode could be wrong
4	MCS	Worst Case Execution Time of an N-cycle instruction.	$\leq 9 \cdot N$ system clock periods	MCS program execution may be too long for the application's requirements.
5	TOM/ATOM	If channel is triggered by preceding channel via TRIG_<x-1> signal, the selected FX_CLK/CMU_CLK of both channels has to be the same	Identical FX_CLK/CMU_CLK	The trigger of preceding channel may be lost
6	TIM	If a TIM channel x uses ARU transfer with enabled TDU, the	$T_{IN} > T_{SAMPLE}$ (FIFO: $T_{SAMPLE} =$ worst case ARU)	The ARU destination of TIM channel x is cannot distinguish

		minimal time T_{IN} between two subsequent measurement cycles has to be greater than the maximum time T_{SAMPLE} between two subsequent ARU read request events on TIM channel x.	round trip time, MCS: $T_{SAMPLE} = \max.$ time between two (N)ARD(I) instructions for TIM channel x)	between a measurement cycle overflow and a timeout with subsequent valid measurement cycle.
7	ARU	The ARU round trip time is device specific.		