Core Registers
ADC - Analog to Digital Converters
AIPS - Peripheral Bridges
C55FMC - Embedded Flash Memory
CAN - FlexCan modules
CMU - Clock Monitor Units
CRC 0 - Cyclic Redundancy Check Unit
CTU - Cross-Triggering Units
DCL - Different Clock Register
DMA - Direct Memory Access
EIM - Error Injection Module
ENET 0 - Ethernet
eTimer - Enhanced Motor Control Timer Modules
FCCU - Fault Collection and Control Unit
FlexPWM - Pulse Width Modulator Modules
FR 0 - FlexRay Communication Controller
INTC 0 - Interrupt Controller
IRCOSC - 16 MHz internal RC oscillator
<u> LFAST 0 - LVDS Fast Asynchronous Serial Transmission</u>
LINFlexD Controllers
MC CGM - Clock Generation Module
MC ME - Mode Entry Module
MC PCU - Power Control Unit
MC RGM - Reset Generation Module
MEMU - Memory Error Management Unit
PCM - Platform Configuration Module
PFLASH - Platform Flash Controller
PIT 0 - Periodic Interval Timer
PLLDIG - PLL Digital Interface
PMC - Power Management Controller
PRAMC - Platform RAM Controller
SGEN 0 - Sine Wave Generator

SIPI 0 - System Interprocessor Interface

SIUL2 - System Integration Unit Lite2

SMPU 0 - System Memory Protection Unit

SPI - Serial Peripheral Interfaces

SRX - SENT (SAE J2716) Receivers

SSCM - System Status and Configuration Module

RUNSW	STCU - Self-T	est Contro	l Unit	
				00: Shutdown MBIST is executed without using the on-chip
SKC XXXXXXXX SKC CFG 12100008 PTR 12 LB_DELAY WRP 0 WBP 0 WDG 00020000 0000000 CLK_CFG 0 WDG 00020000 WDGEOC 00020000 WDGEOC 0000000 ERR_STAT 0000000 LOCKESW 00: The PLL was correctly locked during the self-test se WDTOSW 00: Valid Engine execution INVPSW 00: Valid Engine execution INVPSW 00: Valid Engine execution INVPSW 00: No errors that trigger the Critical Faults condition Inverse Co				
CFG			RUNSW	00: Idle
LB_DELAY 10 WRP	SKC	XXXXXXX	SKC	
NET	CFG	12100008	PTR	12
PMOSEN 00: MBIST PMOS Test is not enabled MBU CLK_CFG CCK_CFG CCK_CFG CCK_CFG COUOU000 CCK_CFW			LB_DELAY	10
MBU			WRP	0
MDG				
MDG				01: MBIST simplified Multi Bit Upset algo is used to che
ENR_STAT				
MDTOSW ENGESW 00: Valid Engine execution INVPSW 00: Valid Inked pointer list CFSF 00: No errors that trigger the Critical Faults condition NCFSF 00: No errors that trigger the Non-Critical Faults condition LOCKE 00: The PLL was correctly locked during the startup self WDTO 00: LBIST and MBIST time slots have been completed within ENGE 00: Valid Engine execution INVP 00: Valid Engine execution INVP 10: Successful LBIST execution LBS1 LBS2 10: Successful LBIST execution LBS2 LBS2 10: Successful LBIST execution LBS2 LBS2 LBS3 LB3				
LBS 0000000F LBS3 01: UBIST execution finished LBE1 01: LBIST execution finished LBE2 01: LBIST execution finished LBE3 01: LBIST execution finished LBE1 01: LBIST execution finished LBE3 01: LBIST execution EXESS 01: Failed LBIST execution EXESS 02: Failed LBIST execution EXESS 03: LBIST execution EXESS 04: Failed LBIST execution EXESS 05: Failed LBIST execution EXESS	ERR_STAT	00000000		<u>.</u>
INVPSW				_
CFSF				
NCFSF				
LOCKE WDTO Colt LBIST and MBIST time slots have been completed withing ENGE WDTO LBIST and MBIST time slots have been completed withing ENGE WDTO Valid linked pointer list				
LBS W 0000000 LBSSW 00: LBIST execution finished LBSSW 0000000 LBESSW 00: Failed LBIST execution LBSSW 0000000 LBSSW 00: Failed LBIST execution LBSSW 00: LBIST execution LBSSW 00: LBIST execution DASSW 00: LBIST execution				
ENGE				
LBS				_
LBS 000000F LBS3 01: Successful LBIST execution LBS2 01: Successful LBIST execution LBS1 01: Successful LBIST execution LBS1 01: Successful LBIST execution LBS0 01: Successful LBIST execution LBS 000000F LBS3 01: LBIST execution finished LBS2 01: LBIST execution finished LBS2 01: LBIST execution finished LBS1 01: LBIST execution finished LBS0 01: LBIST execution finished LBS0 01: LBIST execution finished LBS0 01: LBIST execution finished LBSW1 00: Failed LBIST execution LBSW2 00: Failed LBIST execution LBSW1 00: Failed LBIST execution LBSW1 00: Failed LBIST execution LBSW2 00: LBIST execution EXECUTION DESW1 00: LBIST execution EXECUTION DESW2 00: LBIST execution not yet completed LBESW1 00: LBIST execution not yet completed LBESW1 00: LBIST execution not yet completed LBESW1 DESW1 DESW				
LBS2	LBS	0000000F		
LBS		0000001		
LBE 0000000F LBE3 01: LBIST execution finished LBE2 01: LBIST execution finished LBE2 01: LBIST execution finished LBE1 01: LBIST execution finished LBE0 01: LBIST execution finished LBESW 00000000 LBSSW3 00: Failed LBIST execution LBSSW2 00: Failed LBIST execution LBSSW1 00: LBIST execution not yet completed LBESW2 00: LBIST execution not yet completed LBESW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L				
LBE D000000F LBE3 D1: LBIST execution finished LBE2 LBE1 D1: LBIST execution finished LBE1 LBE1 LBE1 LBE1 LBE0 LBIST execution finished LBE0 LBIST execution finished LBE0 LBIST execution finished LBSSW D0: Failed LBIST execution LBSSW LBSSW D0: Failed LBIST execution LBSSW D0: LBIST execution D0: LBIST execut				
LBSSW 0000000 LBSSW3 00: Failed LBIST execution finished LBESW 00000000 LBSSW3 00: Failed LBIST execution LBSSW 00: Failed LBIST execution LBSSW1 00: Failed LBIST execution LBSSW0 00: Failed LBIST execution LBSSW0 00: Failed LBIST execution LBSSW1 LBESW2 00: LBIST execution not yet completed LBESW2 00: LBIST execution not yet completed LBESW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW1 00: Dedicated functional reset is pulsed at the end of L LBRMSW13 00: Dedicated functional reset is pulsed at the end of L LBRMSW10 00: Dedicated functional reset is pulsed at the end of L LBRMSW10 00: Dedicated functional reset is pulsed at the end of L LBRMSW10 00: Dedicated functional reset is pulsed at the end of L LBRMSW10 00: Dedicated functional reset is pulsed at the end of L LBRMSW10 00: Dedicated functional reset is pulsed at the end of L LBRMSW10 00: Dedicated functional reset is pulsed at the end of L LBRMSW10 00: Dedicated functional reset is pulsed at the end of L LBRMSW9 00: Dedicated functional reset is pulsed at the end of L LBRMSW9 00: Dedicated functional reset is pulsed at the end of L	LBE	0000000F		
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LBRMSW12 00: Dedicated functional reset is pulsed at the end of L LBRMSW11 00: Dedicated functional reset is pulsed at the end of L LBRMSW10 00: Dedicated functional reset is pulsed at the end of L LBRMSW9 00: Dedicated functional reset is pulsed at the end of L LBRMSW8 00: Dedicated functional reset is pulsed at the end of L				
LBRMSW11 00: Dedicated functional reset is pulsed at the end of L LBRMSW10 00: Dedicated functional reset is pulsed at the end of L LBRMSW9 00: Dedicated functional reset is pulsed at the end of L LBRMSW8 00: Dedicated functional reset is pulsed at the end of L				
LBRMSW10 00: Dedicated functional reset is pulsed at the end of L LBRMSW9 00: Dedicated functional reset is pulsed at the end of L LBRMSW8 00: Dedicated functional reset is pulsed at the end of L				
LBRMSW9 00: Dedicated functional reset is pulsed at the end of L LBRMSW8 00: Dedicated functional reset is pulsed at the end of L				
LBRMSW8 00: Dedicated functional reset is pulsed at the end of L				<u>-</u>
<u>-</u>				
TDIVIDAL OF DESTER INTERTIONAL TESET IS BRIDER OF FILE FING OF T			LBRMSW7	00: Dedicated functional reset is pulsed at the end of L
LBRMSW6 00: Dedicated functional reset is pulsed at the end of L				
LBRMSW5 00: Dedicated functional reset is pulsed at the end of L				
			LBRMSW4	00: Dedicated functional reset is pulsed at the end of L
LBRMSW4 00: Dedicated functional reset is pulsed at the end of L			LBRMSW3	00: Dedicated functional reset is pulsed at the end of ${\tt L}$
LBRMSW3 00: Dedicated functional reset is pulsed at the end of L			LBRMSW2	00: Dedicated functional reset is pulsed at the end of L
LBRMSW3 00: Dedicated functional reset is pulsed at the end of L LBRMSW2 00: Dedicated functional reset is pulsed at the end of L			LBRMSW1	00: Dedicated functional reset is pulsed at the end of L
LBRMSW4 00: Dedicated functional reset is pulsed at the end of L				<u>-</u>
LBRMSW3 00: Dedicated functional reset is pulsed at the end of L				
LBRMSW3 00: Dedicated functional reset is pulsed at the end of L LBRMSW2 00: Dedicated functional reset is pulsed at the end of L			TRKMSMT	ou. Dealcated functional reset is pulsed at the end of L

		LBRMSW0	00: Dedicated functional reset is pulsed at the end of L
MBSL	07FFFFFF	MBS26	01: No Fault detected during the BIST execution
МБОБ	OTEFFF	MBS25	01: No Fault detected during the BIST execution
		MBS24	01: No Fault detected during the BIST execution
		MBS23	01: No Fault detected during the BIST execution
		MBS22	01: No Fault detected during the BIST execution
		MBS21	01: No Fault detected during the BIST execution
		MBS20	01: No Fault detected during the BIST execution
		MBS19	01: No Fault detected during the BIST execution
		MBS19	01: No Fault detected during the BIST execution
		MBS17	01: No Fault detected during the BIST execution
		MBS17 MBS16	01: No Fault detected during the BIST execution
		MBS15	01: No Fault detected during the BIST execution
		MBS13	01: No Fault detected during the BIST execution
		MBS13	01: No Fault detected during the BIST execution
		MBS13	01: No Fault detected during the BIST execution
		MBS12	01: No Fault detected during the BIST execution
		MBS10	01: No Fault detected during the BIST execution
		MBS10	01: No Fault detected during the BIST execution
		MBS9 MBS8	01: No Fault detected during the BIST execution
		MBS7	01: No Fault detected during the BIST execution
		MBS6	01: No Fault detected during the BIST execution
			01: No Fault detected during the BIST execution
		MBS5 MBS4	5
			01: No Fault detected during the BIST execution
		MBS3	01: No Fault detected during the BIST execution
		MBS2	01: No Fault detected during the BIST execution
		MBS1	01: No Fault detected during the BIST execution
MDET	0700000	MBS0	1
MBEL	07FFFFFF	MBE26	01: MBIST execution finished
		MBE25	01: MBIST execution finished
		MBE24	01: MBIST execution finished
		MBE23 MBE22	01: MBIST execution finished
			01: MBIST execution finished
		MBE21 MBE20	01: MBIST execution finished 01: MBIST execution finished
		MBE19	01: MBIST execution finished
		MBE18	01: MBIST execution finished
		MBE17	01: MBIST execution finished
		MBE16	01: MBIST execution finished
		MBE15	01: MBIST execution finished
		MBE14	01: MBIST execution finished
		MBE13	01: MBIST execution finished
		MBE12	01: MBIST execution finished
		MBE12 MBE11	01: MBIST execution finished
		MBE11	01: MBIST execution finished
		MBE9	01: MBIST execution finished
		MBE8	01: MBIST execution finished
		MBE7	01: MBIST execution finished
		MBE6	01: MBIST execution finished
		MBE5	01: MBIST execution finished
		MBE4	01: MBIST execution finished
		MBE3	01: MBIST execution finished
		MBE2	01: MBIST execution finished
		MBE1	01: MBIST execution finished
		MBE0	1
MBSLSW	0000000	MBSSW26	00: Failed BIST execution
		MBSSW25	00: Failed BIST execution
		MBSSW24	00: Failed BIST execution
		MBSSW23	00: Failed BIST execution
		MBSSW23	00: Failed BIST execution
		MBSSW21	00: Failed BIST execution
		MBSSW20	00: Failed BIST execution
		MBSSW19	00: Failed BIST execution
		MBSSW18	00: Failed BIST execution
		MBSSW17	00: Failed BIST execution

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MBSSW16
                                      00: Failed BIST execution
                           MBSSW15
                                      00: Failed BIST execution
                                      00: Failed BIST execution
                           MBSSW14
                          MBSSW13
                                      00: Failed BIST execution
                          MBSSW12
                                      00: Failed BIST execution
                                      00: Failed BIST execution
                          MBSSW11
                                      00: Failed BIST execution
                          MBSSW10
                                      00: Failed BIST execution
                          MBSSW9
                          MBSSW8
                                      00: Failed BIST execution
                          MBSSW7
                                      00: Failed BIST execution
                                      00: Failed BIST execution
                          MBSSW6
                          MBSSW5
                                      00: Failed BIST execution
                                      00: Failed BIST execution
                          MBSSW4
                                      00: Failed BIST execution
                          MBSSW3
                          MBSSW2
                                      00: Failed BIST execution
                          MBSSW1
                                      00: Failed BIST execution
                                      00: Failed BIST execution
                          MBSSW0
MRELSW
               00000000
                          MBESW26
                                      00: MBIST execution still ongoing
                          MBESW25
                                      00:
                                          MBIST execution still ongoing
                                          MBIST execution still ongoing
                          MBESW24
                                      00:
                                      00: MBIST execution still ongoing 00: MBIST execution still ongoing
                          MBESW23
                          MBESW22
                          MBESW21
                                      00: MBIST execution still ongoing
                                      00:
                          MBESW20
                                           MBIST execution still ongoing
                                      00: MBIST execution still ongoing
                          MBESW19
                                      00: MBIST execution still ongoing
                          MBESW18
                                      00: MBIST execution still ongoing 00: MBIST execution still ongoing
                          MBESW17
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                          MBESW15
                                      00: MBIST execution still ongoing
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                                      00: MBIST execution still ongoing
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                          MBESW10
                                      00: MBIST execution still ongoing
                          MBESW9
                                      00: MBIST execution still ongoing 00: MBIST execution still ongoing
                          MBESW8
                          MBESW7
                                      00: MBIST execution still ongoing
                          MBESW6
                                      00: MBIST execution still ongoing 00: MBIST execution still ongoing
                          MBESW5
                          MBESW4
                                      00: MBIST execution still ongoing
                          MBESW3
                                      00: MBIST execution still ongoing 00: MBIST execution still ongoing
                          MBESW2
                          MBESW1
                                          MBIST execution still ongoing
                                      00: MBIST execution still ongoing
                          MBESW0
                          CSM
                                      01: Concurrent mode
               83071107
LBO CTRL
                           PTR
                                      03
                                      00: Default LBIST value of the PRPG is used during LBIST
                          PRPGEN
                           SHS
                                      07: Shift at 1/8 rate (bist_clk)
                           SCEN_OFF
                                      01: 1 delay cycle
                           SCEN_ON
                                      01: 1 delay cycle
                           CWS
                                      07: controller waits 7 shift cycles for capture to finis
LB0_PCS
               00000A5A
                          PCS
                                      00000A5A
LBO MISRELSW
                          MISRESWx
               FFFFFFFF
                                      FFFFFFFF
LB0_MISREHSW
               FFFFFFFF
                          MISRESWx
                                      FFFFFFFF
LB1_CTRL
               82031107
                          CSM
                                      01: Concurrent mode
                           PTR
                                      02
                           PRPGEN
                                      00: Default LBIST value of the PRPG is used during LBIST
                                      03: Shift at 1/4 rate (bist_clk)
                           SHS
                           SCEN_OFF
                                      01: 1 delay cycle
                           SCEN_ON
                                      01: 1 delay cycle
                                      07: controller waits 7 shift cycles for capture to finis
                           CWS
                                      00000540
LB1 PCS
               00000540
                          PCS
LB1_MISRELSW
              FFFFFFFF
                          MISRESWx
                                      FFFFFFFF
LB1_MISREHSW
               FFFFFFFF
                          MISRESWx
                                      FFFFFFFF
```

00: Sequential mode

LB2 CTRL

7F031107

CSM

		PTR	7F
		PRPGEN	00: Default LBIST value of the PRPG is used during LBIST
		SHS	03: Shift at 1/4 rate (bist_clk)
		SCEN_OFF	01: 1 delay cycle 01: 1 delay cycle
		CWS	07: controller waits 7 shift cycles for capture to finis
LB2_PCS	00000B54	PCS	00000B54
LB2_MISRELSW		MISRESWX	
LB2_MISREHSW LB3_CTRL	FFFFFFFF 01031107	MISRESWx CSM	FFFFFFFF 00: Sequential mode
HB3_CIKE	01031107	PTR	01
		PRPGEN	00: Default LBIST value of the PRPG is used during LBIST
		SHS	03: Shift at 1/4 rate (bist_clk)
		SCEN_OFF	01: 1 delay cycle 01: 1 delay cycle
		CWS	07: controller waits 7 shift cycles for capture to finis
LB3_PCS	0000076C	PCS	0000076C
LB3_MISRELSW LB3_MISREHSW	FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF		FFFFFFFF FFFFFFFF
MB0_CTRL	91000000	CSM	01: Concurrent mode
- - -		PTR	11
MB1_CTRL	98000000	CSM	01: Concurrent mode
MB2 CTRL	93000000	PTR CSM	18 01: Concurrent mode
PDZ_CIKE	2300000	PTR	13
MB3_CTRL	94000000	CSM	01: Concurrent mode
MB4_CTRL	05000000	PTR	14
MB4_CIKL	95000000	CSM PTR	01: Concurrent mode 15
MB5_CTRL	96000000	CSM	01: Concurrent mode
	0.000000	PTR	16
MB6_CTRL	97000000	CSM PTR	01: Concurrent mode 17
MB7_CTRL	10000000	CSM	00: Sequential mode
_		PTR	10
MB8_CTRL	99000000	CSM PTR	01: Concurrent mode 19
MB9 CTRL	9A000000	CSM	01: Concurrent mode
_		PTR	1A
MB10_CTRL	9B000000	CSM	01: Concurrent mode
MB11_CTRL	9C000000	PTR CSM	1B 01: Concurrent mode
	2000000	PTR	1C
MB12_CTRL	9D000000	CSM	01: Concurrent mode
MB13_CTRL	9E000000	PTR CSM	1D 01: Concurrent mode
MDI3_CIKI)E000000	PTR	1E
MB14_CTRL	9F000000	CSM	01: Concurrent mode
MD1E CEDI	A0000000	PTR	1F
MB15_CTRL	A0000000	CSM PTR	01: Concurrent mode 20
MB16_CTRL	A1000000	CSM	01: Concurrent mode
14D15 GEDT	7.0000000	PTR	21
MB17_CTRL	A2000000	CSM PTR	01: Concurrent mode 22
MB18_CTRL	A3000000	CSM	01: Concurrent mode
		PTR	23
MB19_CTRL	A4000000	CSM	01: Concurrent mode
MB20_CTRL	A5000000	PTR CSM	24 01: Concurrent mode
_		PTR	25
MB21_CTRL	A6000000	CSM	01: Concurrent mode
MB22_CTRL	A7000000	PTR CSM	26 01: Concurrent mode
		PTR	27

MB23_CTRL A8000000 CSM 01: Concurrent mode						
MB24_CTRL						
MB25_CTRL	AA000000		01: Concurrent mode 2A			
MB26_CTRL	00000000	CSM PTR	00: Sequential mode 00			
STM 0 - System Timer Module						
SWT 0 - Software Watchdog Timer						
<u> WKPU - Wakeu</u>	ıp Unit					
XBAR 0 - Cro	ssbar Switc	h				
XBIC - Crossbar Integrity Checkers						
XOSC - External Oscillator						