

Bit number				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																															
ID				B A																															
Reset 0x00000000				0 0																															
ID	R/W	Field	Value ID	Value																Description															
A	R	RAMCORRECTION																		This bit indicates that a 1-bit error has been detected and corrected on RAM interface															
B	R	RAMFAILURE																		This bit indicates that an uncorrectable error has been detected on the data RAM interface															

7.8.1.7.52 IKG.START

Address offset: 0x3000

Start register.

Bit number					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																															
ID					A																															
Reset 0x00000000					0 0																															
ID	R/W	Field	Value ID	Value	Description																															
A	W	START			Start the Isolated Key Generation.																															

7.8.1.7.53 IKG.STATUS

Address offset: 0x3004

Status register.

Bit number			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																															
ID			G F E D C B A																															
Reset 0x00000000			0 0																															
ID	R/W	Field	Value ID	Value	Description																													
A	R	SEEDERROR			Seed Error during Isolated Key Generation. When the IKG module is in error state, a reset is required to restart the module.																													
B	R	ENTROPYERROR			Entropy Error during Isolated Key Generation. When the IKG module is in error state, a reset is required to restart the module.																													
C	R	OKAY			Isolated Key Generation is okay.																													
D	R	CTRDRBGBUSY			CTR_DRBG health test is busy (only when g_hw_health_test = true).																													
E	R	CATASTROPHICERROR			Catastrophic error during CTR_DRBG health test (only when g_hw_health_test = true). When the IKG module is in error state, a reset is required to restart the module.																													
F	R	SYMKEYSTORED			Symmetric Keys are stored.																													
G	R	PRIVKEYSTORED			Private Keys are stored.																													

7.8.1.7.54 IKG.INITDATA

Address offset: 0x3008

InitData register.