

## 7.8.1.7.59 IKG.PKECONTROL

Address offset: 0x301C

## PKE Control 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	B	A																														
<b>Reset 0x00000000</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ID	R/W	Field	Value ID	Value	Description																											
A	W	PKESTART			Start the PKE operation or trigger for Secure mode exit.																											
B	W	CLEARIRQ			Clear the IRQ output.																											

#### **7.8.1.7.60 IKG.PKECOMMAND**

Address offset: 0x3020

## PKE Command 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																									C	C	B	B	B	B	A			
<b>Reset 0x00000000</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>				
ID	R/W	Field	Value ID	Value			Description																											
A	RW	SECUREMODE					Secure mode.																											
							It is activated as soon as it is set to 1. It is deactivated when it is set to 0 and PKE_Start is set to 1.																											
							DEACTIVATED	0																										
							ACTIVATED	1																										
B	RW	SELECTEDKEY					Select Generated Private Key for PKE operation.																											
							This Key Index should be between 0 and g_nb_priv_keys-1.																											
C	RW	OPSEL					Select PKE operation with Isolated Key																											
							Note: Value 3 is reserved.																											
							PUBKEY	0	Public Key Generation																									
							ECDSA	1	ECDSA Signature																									
							PTMUL	2	Point Multiplication																									

### 7.8.1.7.61 IKG.PKESTATUS

Address offset: 0x3024

## PKE Status register.