

7.6.3 GPIO. . . . .	130
7.6.4 GPIOTE. . . . .	132
7.6.5 GRTC. . . . .	133
7.7 Physical security. . . . .	133
7.8 Security components. . . . .	133
7.8.1 CRACEN — Cryptographic accelerator engine. . . . .	133
7.8.2 GLITCHDET — Voltage glitch detectors. . . . .	164
7.8.3 KMU — Key management unit. . . . .	165
7.8.4 MPC — Memory Privilege Controller. . . . .	174
7.8.5 SPU — System protection unit. . . . .	180
7.8.6 TAMPC — Tamper controller. . . . .	192
<b>8 Peripherals . . . . .</b>	<b>213</b>
8.1 Peripheral interface. . . . .	213
8.1.2 Peripheral ID. . . . .	214
8.1.3 Peripherals with shared ID. . . . .	214
8.1.4 Peripheral registers. . . . .	214
8.1.5 Bit set and clear. . . . .	215
8.1.6 Tasks. . . . .	215
8.1.7 Events. . . . .	215
8.1.8 Publish and subscribe. . . . .	215
8.1.9 Shortcuts. . . . .	215
8.1.10 Interrupts. . . . .	216
8.2 Instantiation. . . . .	216
8.3 AAR — Accelerated address resolver. . . . .	220
8.3.1 Shared resources. . . . .	221
8.3.2 Resolving a resolvable address. . . . .	221
8.3.3 EasyDMA. . . . .	223
8.3.4 Use case example for chaining RADIO packet reception with address resolution using AAR	224
8.3.5 Registers. . . . .	225
8.4 CCM — AES CCM mode encryption. . . . .	232
8.4.1 Shared resources. . . . .	233
8.4.2 Encryption and decryption. . . . .	233
8.4.3 Encrypting packets in radio transmit mode. . . . .	236
8.4.4 Decrypting packets received by the radio. . . . .	237
8.4.5 CCM data structure. . . . .	238
8.4.6 EasyDMA and ERROR event. . . . .	239
8.4.7 Registers. . . . .	239
8.5 COMP — Comparator. . . . .	247
8.5.1 START and STOP tasks. . . . .	248
8.5.2 Operation modes. . . . .	248
8.5.3 Current source on analog input. . . . .	249
8.5.4 Shared resources. . . . .	249
8.5.5 Differential mode. . . . .	249
8.5.6 Single-ended mode. . . . .	251
8.5.7 Registers. . . . .	253
8.6 ECB — AES electronic codebook mode encryption. . . . .	262
8.6.1 Shared resources. . . . .	264
8.6.2 EasyDMA. . . . .	264
8.6.3 Registers. . . . .	265
8.7 EGU — Event generator unit. . . . .	271
8.7.1 Registers. . . . .	271
8.8 GPIO — General purpose input/output. . . . .	274
8.8.1 Pin configuration. . . . .	275