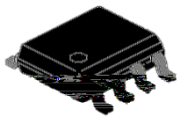
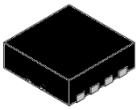
: 2.0V ~ 5.5V

: -40℃ ~ 85℃





(operation)

(Deep Sleep)

300nA

NIST CAVP

NIST

NIST P256 /P384

ECDSA : FIPS186-4

ECDH: FIPS SP800-56A

(Key Agreement)

NIST

FIPS 180-4 SHA-256 & FIPS 198-1

HMAC

FIPS-197 AES-128/256 : / ,

Galois Field Multiply for GCM

TLS 1.2 & 1.3 PRF/HKDF

ECDHE

TRNG SP800-22

(Anti-Tamper)

(SPA/DPA :

simple/differential power analysis)

Glitch

128 (UID)

– X.509

User Data : 5.6KB

SQ7131 I2C (

1Mbps)

SQ7133 SPI (

10MHz@ MODE 3)

SQ7135 SWI(Single Wire Interface)

(230.4Kbps)

(Session Key Exchange)

(Firmware)

TLS1.2 TLS 1.3

AIoT

/