

ODM Products

Crypto Control focus on the design and manufacturing of integrated systems.

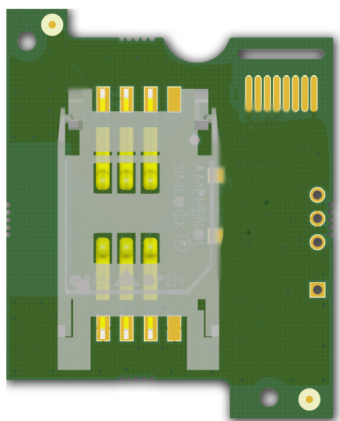
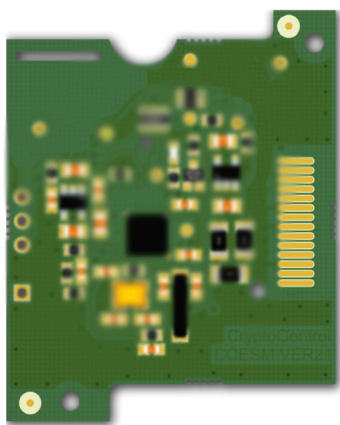
The Crypto Control Embedded Security Modules (CCESM) are targeted for internal integration in numerous existing hardware solutions. The modules supports all features required for compliance with SPC-CA standard. Each module has its own integrated crypto processor, which means no external microcontroller is required. Furthermore, the compact sizes allow to be easily integrated in the size constrained devices.

Key Features

- Standardized communication interfaces
- Integrated Crypto Microprocessor
- No development cost
- Overall low cost
- Compact size

ODM Crypto Control Embedded Security Modules

ODM CCESM ver21 Module



Technical information:

Standard specification

- Supports SPC-CA standard

Interfaces

- UART communication to host computer
- SPI flash for the cryptographic keys and SPC-CA certificates

Power

- Supply voltage from 1.80Vdc up to 3.3Vdc
- Current consumption - up to 100mA

Connectors

- Contact based 25pin SPI connector, 250 MHz
- 1x25pin SPI - 1.25mm pitch, 25pin SPI and 25pin SPI

Mechanical

- Operating temperature: -40°C to +85°C
- Mounting holes: 1.27mm
- Dimensions: 10mm x 10mm

Certifications and compliance

- CE, RoHS, WEEE



- Pinout Description – Figures 1, 2 and Tables 1, 2

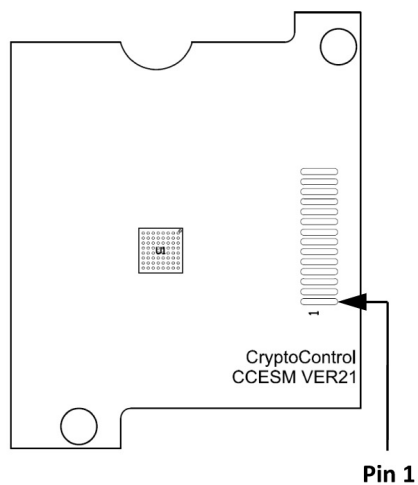


Figure 1 – Top Side

Table 1

Pin	Description
1	Power/GND
2	Power/GND
3	Power/GND
4	Power/GND
5	Power/GND
6	Power/GND
7	Power/GND
8	Power/GND
9	Power/GND
10	Power/GND
11	Power/GND
12	Power/GND
13	Power/GND
14	Power/GND

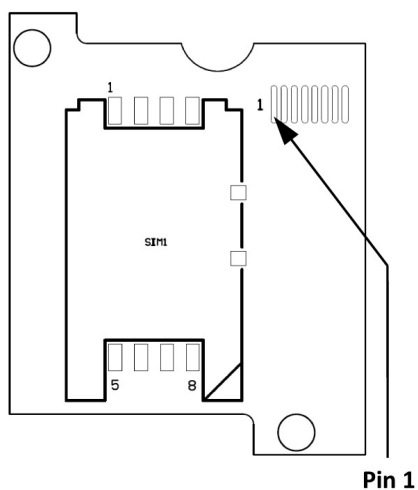


Figure 2 – Bottom side

Table 2

Pin	Description
1	Power/GND
2	Power/GND
3	Power/GND
4	Power/GND
5	Power/GND
6	Power/GND
7	Power/GND
8	Power/GND

* REMARK: The host interface is available on two types of pinouts – 8-pin and 14-pin (Table 1 and Table 2)





Contact Info

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