

KEY FEATURES

Small sized SAM add-on module

- 15 x 14 mm (0.59 x 0.55 inch)
- Standard 2.54 mm (100 mil) header

Module Configurations

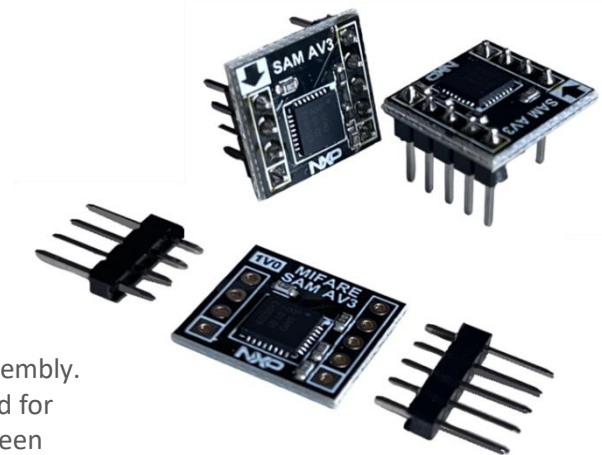
- S-Mode and X-Mode wiring option
- 3V3 supply
- I²C communication interfaces

Supported Tags

- Dedicated ICs with authentication support

Certification

- Stand-alone module is considered to be a sub-assembly. Country specific certifications need to be obtained for the final product. Mounted daughter board has been



PRODUCT DESCRIPTION

The MIFARE SAM AV3 daughter board has been developed at first for the MIFARE SAM AV3 Development Kit. The add-on board is designed to be easily installed into a product that supports secure contactless tags with authentication.

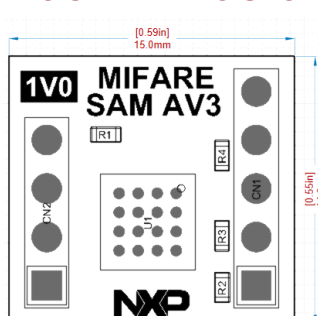
TECHNICAL DETAILS

Interfaces	2 x I ² C interfaces for X-Mode and S-Mode operation
Power supply	3.3 V
Supported Tag IC Standards	ISO/IEC14443, ISO/IEC15693, ISO/IEC18092
Supported NXP tag family members*	MIFARE Ultralight, MIFARE Plus, MIFARE DESFire, NTAG, UCODE
Power consumption	See respective NXP Data sheet for details
Dimensions	15 x 14 mm (0.55 x 0.59 inch)
Weight (including cable)	2 g
Operating / storage temperature range	-10° to 65°C
Operating humidity range	up to 95% RH non-condensing
Regulatory ¹ /Environmental	Stand-alone module is a sub-assembly
Ordering Information	MIFARE SAM AV3 – AOB (pin headers to be soldered)

* dedicated Taag family members with built in authentication support.

MIFARE, MIFARE Ultralight C, MIFARE Classic, MIFARE Plus, DESFire, ICODE, NTAG are trademarks of NXP B.V.

PHYSICAL DIMENSIONS



PIN OUT

