



SIPLACE RFID Read Module User Manual



www.asm-smt.com

All names identified by ® are registered trademarks of the ASM Assembly Systems GmbH & Co. KG. The remaining trademarks in this publication may be trademarks whose use by third parties for their own purposes could violate the rights of the owner.

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information given in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

Copyright © ASM Assembly Systems

Technical data subject to change

ASM Assembly Systems GmbH & Co. KG
Rupert-Mayer-Strasse 44
81379 München
Germany

Item-no.: 00198325-01

www.asm-smt.com

1 Introduction

This manual provides technical information on the SIPLACE RFID Read Module.

1.1 History of Changes

Changes to the original manual are listed below:

Version	Date	Author / Dept	Description
1.0	20-Mar-2017	Jason / R&D	

1.2 FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.



NOTICE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

2 RFID Read Module

2.1 Description

The RFID Read Module is used in SIPLACE products for specific purpose. It has built-in regulator circuit and communicates to host controller via UART interface and Flexible Flat Cable.

2.2 Specification

Model No.	03146441-01
Input Voltage	5Vdc $\pm$ 10%
Dimension	60mm x 22mm
Operating frequency	13.56MHz
Oscillator frequency	27.12MHz
Communication interface	UART
Used protocol	ISO/IEC 15693
Modulation	ASK 100% According to ISO 15693
Rated Input Power	5Vdc, 75mA
RFID Transceiver	CR95HF (ST Microelectronics)
Operating Temperature	0 – 50 °C