

Installation instructions

RCP 915 RF

RCP 915 RF Installation Instructions.docx

Distribution list:

Name	Function	Date	Signature
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	Validation		
	Quality management		

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1 General

1.1 Modification history

Version	Release date	Creator	changed sections
1.0	12.03.2014	Hermann Haslauer	creation

1.2 Standards und policies

Reference	Title	Version

1.3 Referenced documents

Reference	Title	Version

1.4 Acronyms und abbreviations

	Meaning

1.5 Terms

	Meaning

2 Introduction

This instruction manual describes the installation of the Palfinger RCP 915 RF radio transceiver module into a Palfinger radio remote control host system.

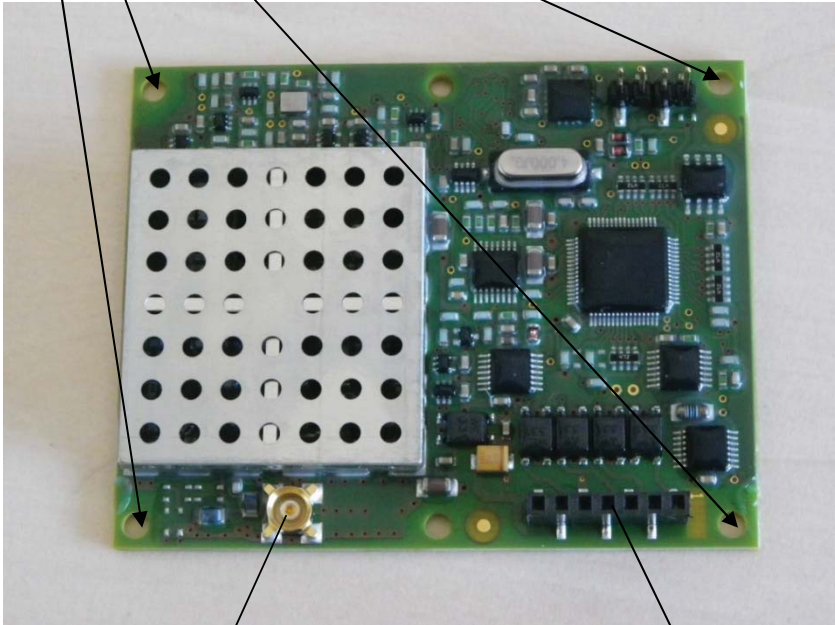
Please read this manual carefully and completely before you begin to install the RF Transceiver into the Host system.

Keep this Installation Manual on a safe place.

Ignoring information in this manual may lead to faulty installation and damages either to the RF Transceiver module or to the host system.

3 RCP 915 RF Transceiver module

Mounting holes



Antenna connector

Host connector

4 Host Systems

4.1 RCP 915 mobile unit



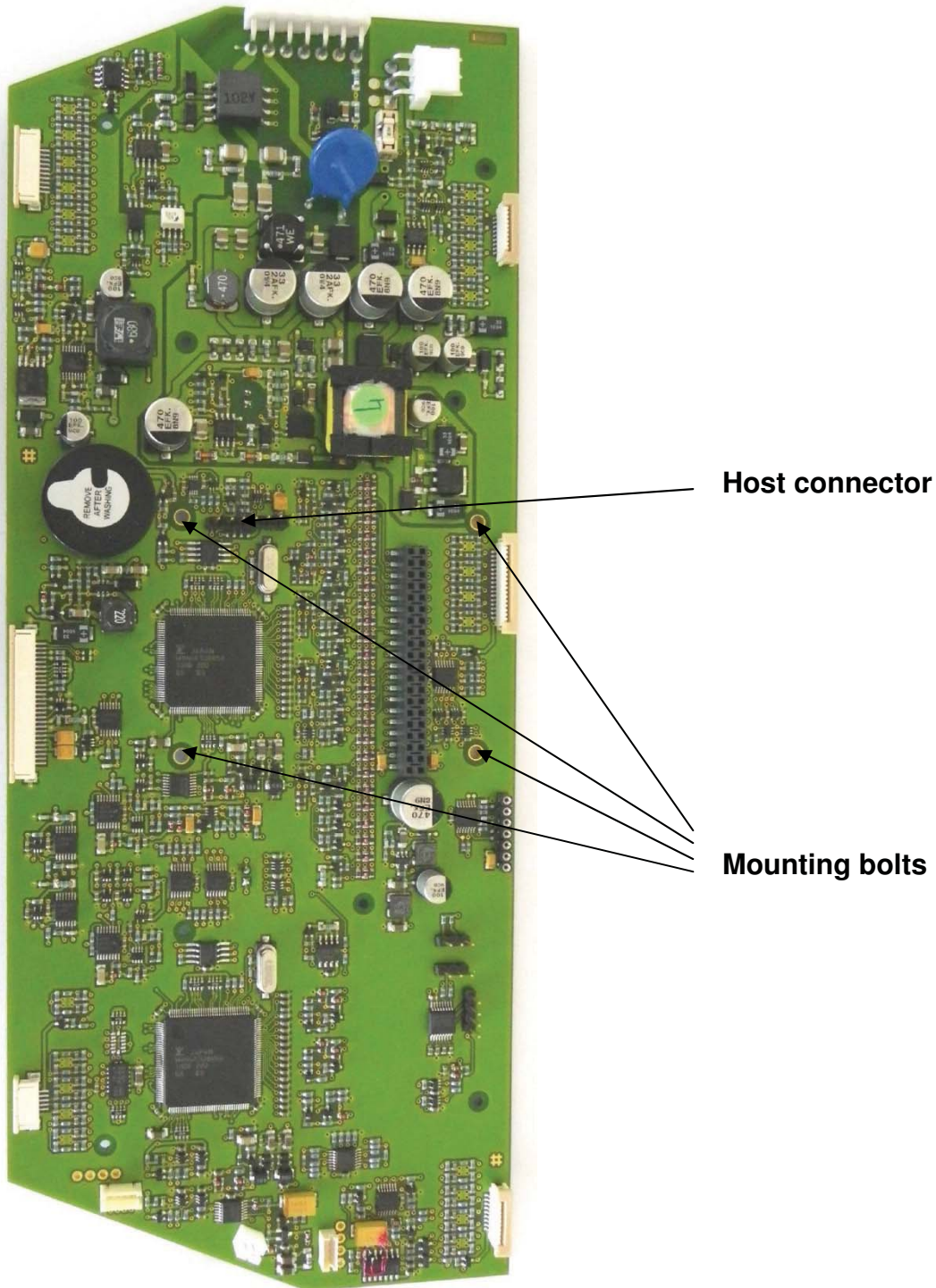
4.2 RCP 915 mobile unit antenna



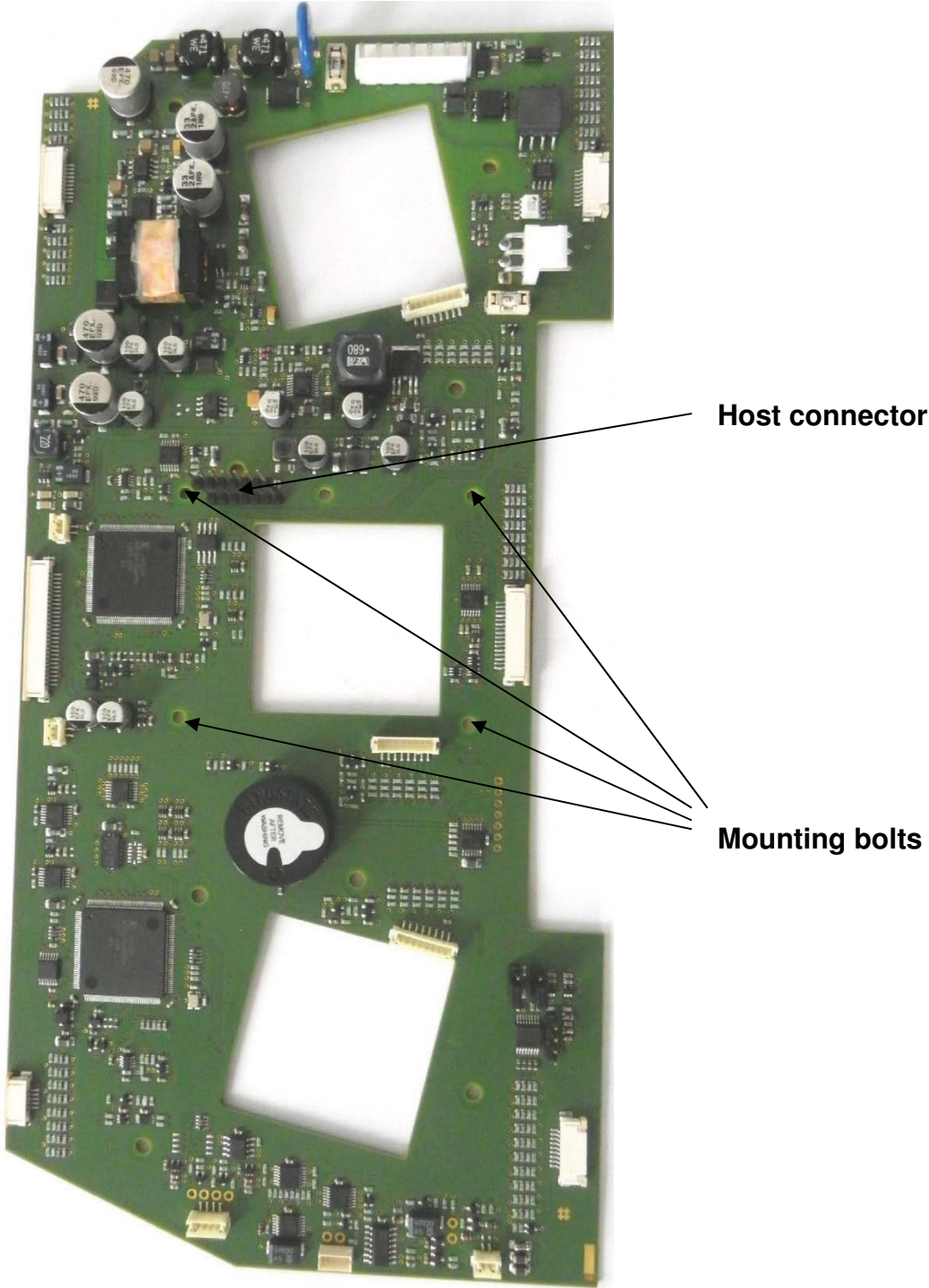
4.3 RCP 915 base station**4.4 RCP 915 base station antenna**

5 Host system boards

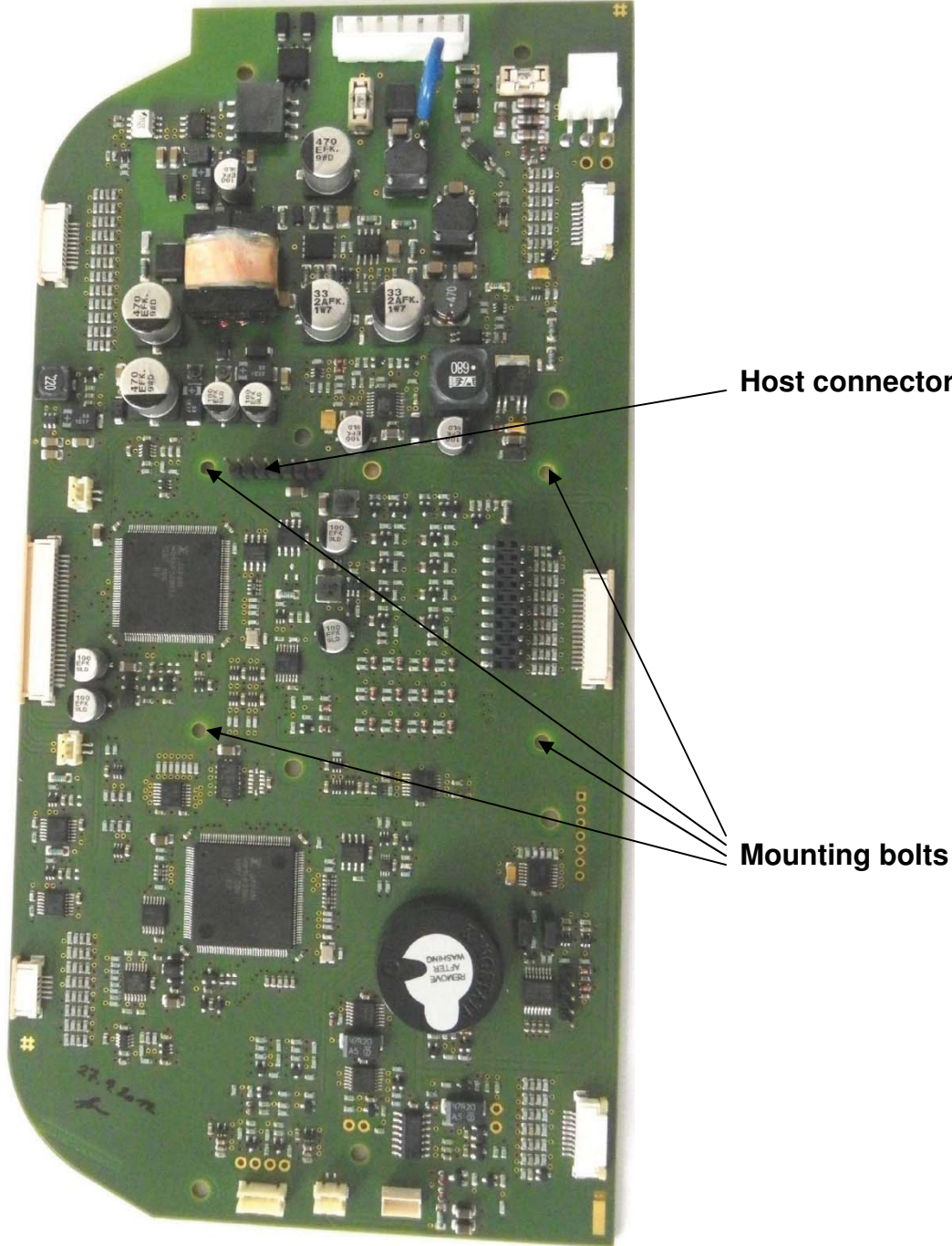
5.1 Host board mobile unit linear lever-big



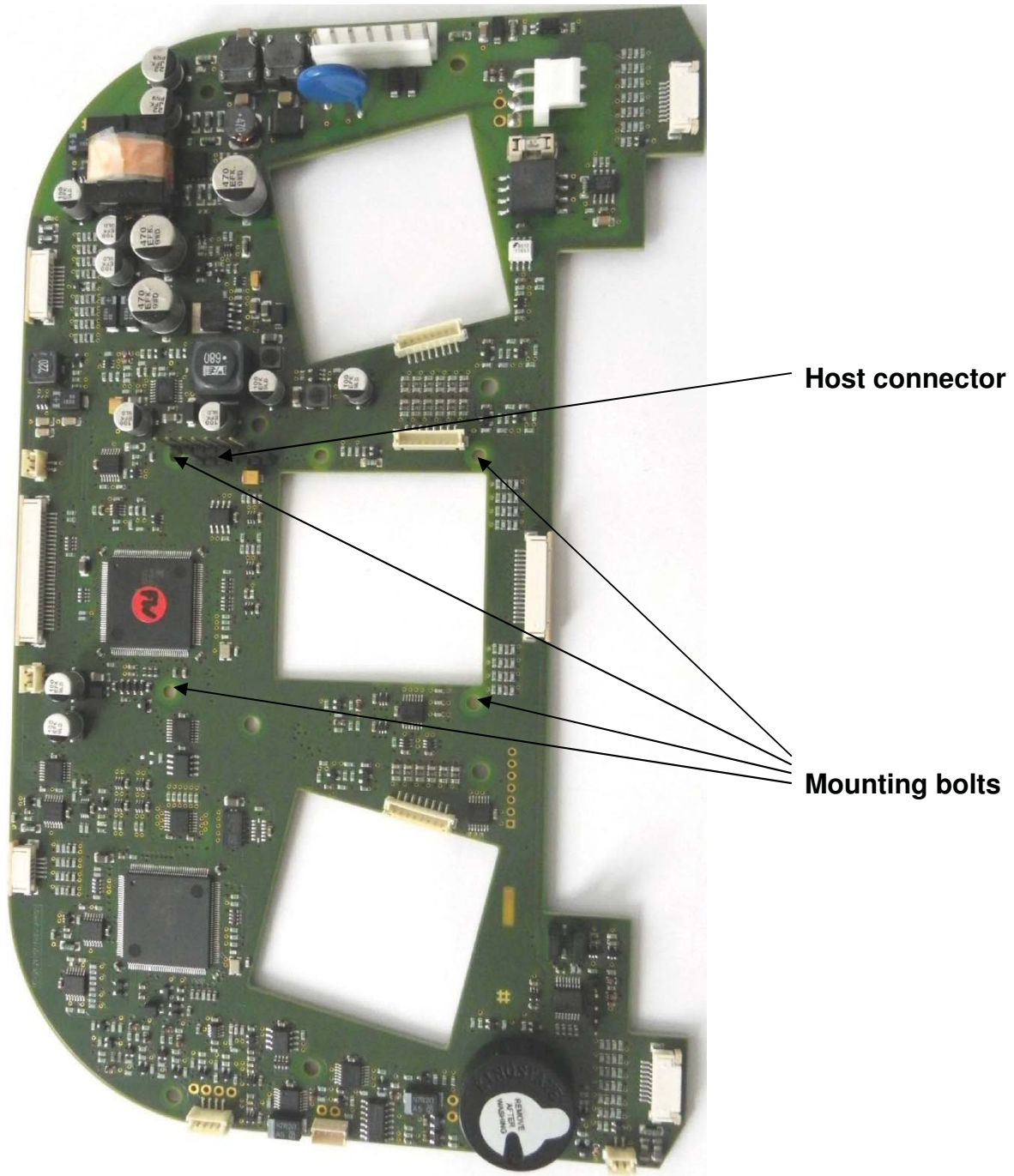
5.2 Host board mobile unit joystick-big



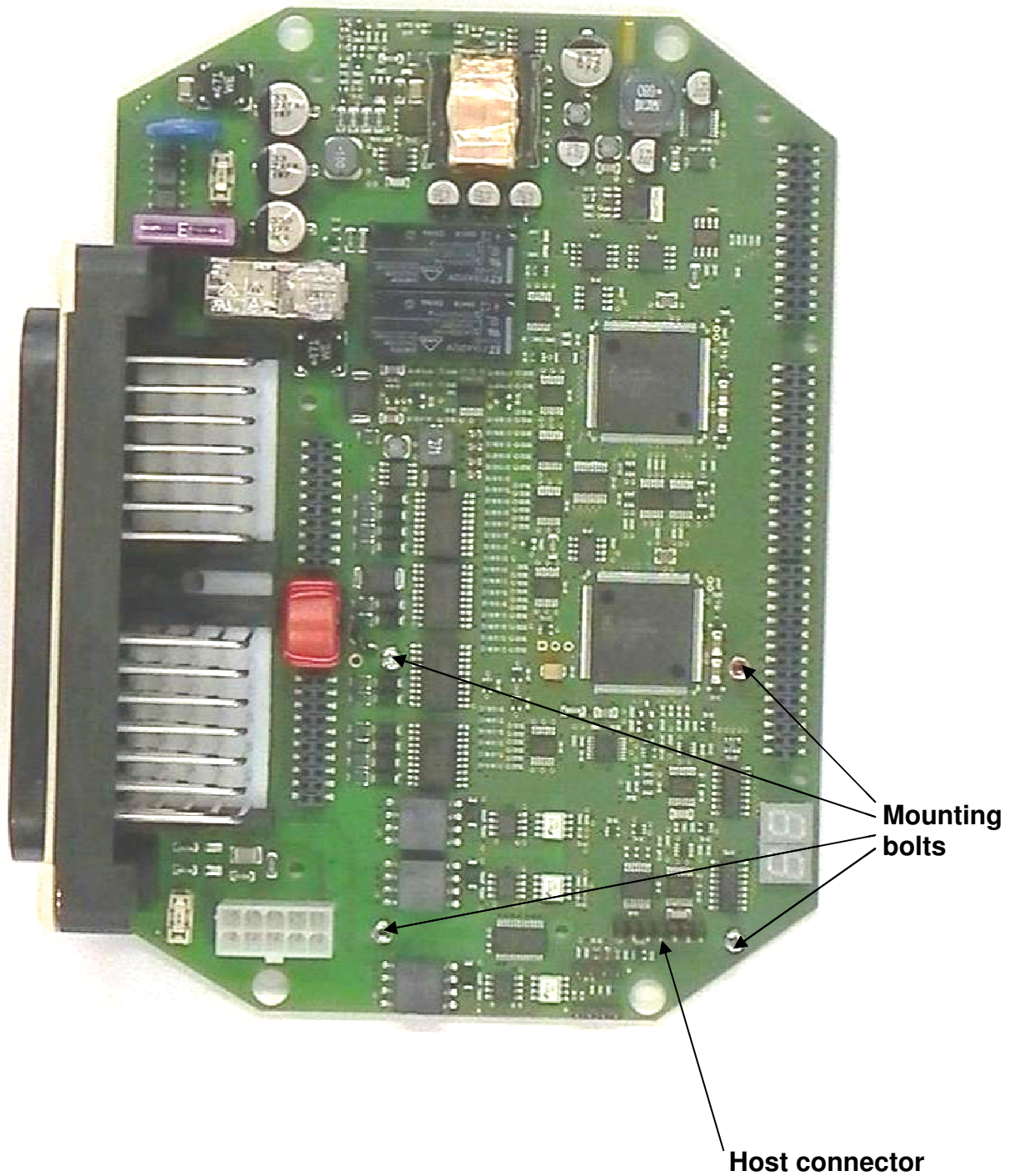
5.3 Host board mobile unit linear lever-small



5.4 Host board mobile unit joystick-small



5.5 Host board base station



6 Module Installation

6.1 Module on mobile units

Connect the module female connector to the mobile unit male connector.
Take special care that every pin is connected properly.



Fix the RCP 915 RF module with the screws on the mounting bolts on the mobile unit.



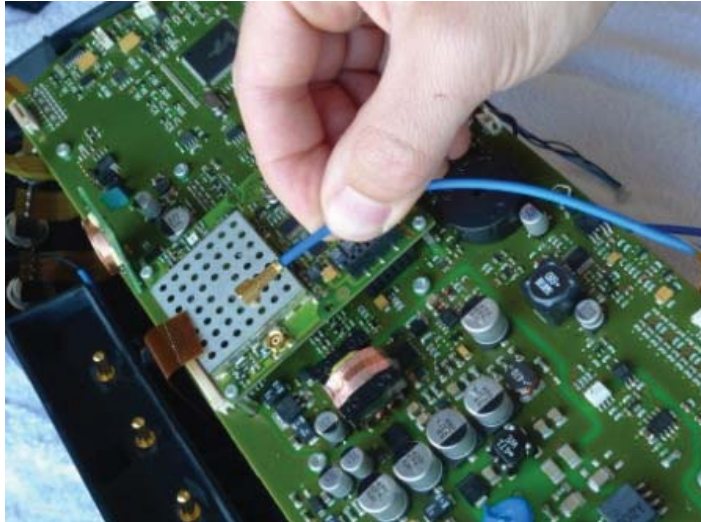
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Module Installation

6.2 Antenna connection on mobile units

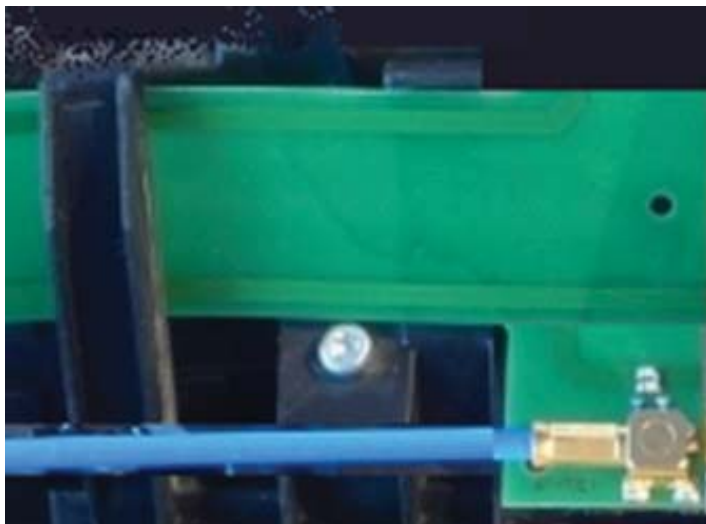
Connect the antenna cable to the antenna connector on the RCP 915 RF module.

Take special care that the connector is fixed properly.



Connect antenna cable to the antenna connector on the dipole antenna

Take special care that the connector is fixed properly.



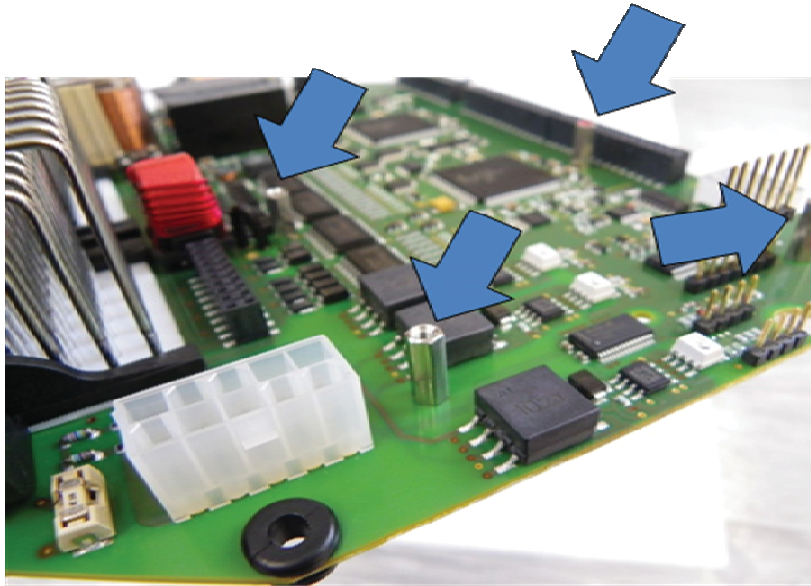
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Module Installation

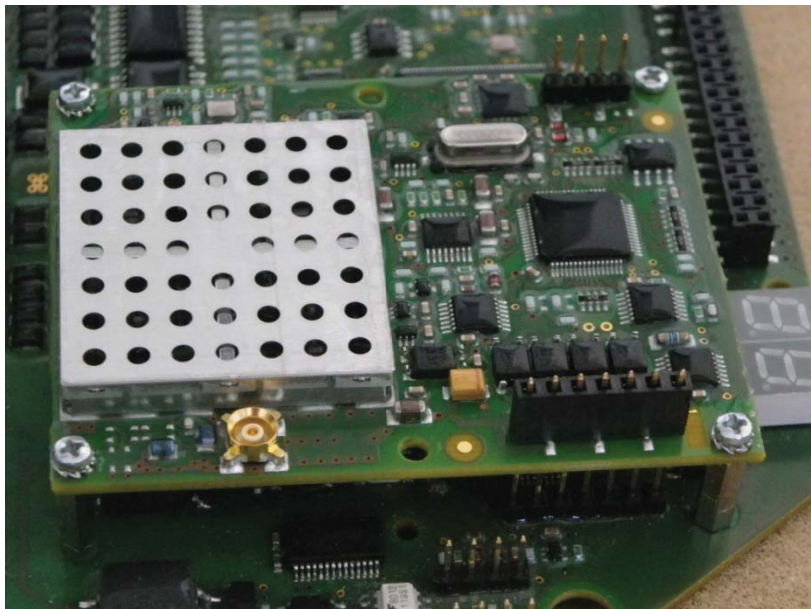
6.3 Module on base station

Connect the module female connector to the base station male connector.

Take special care that every pin is connected properly.



Fix the RCP 915 RF module with the screws on the mounting bolts on the base station.



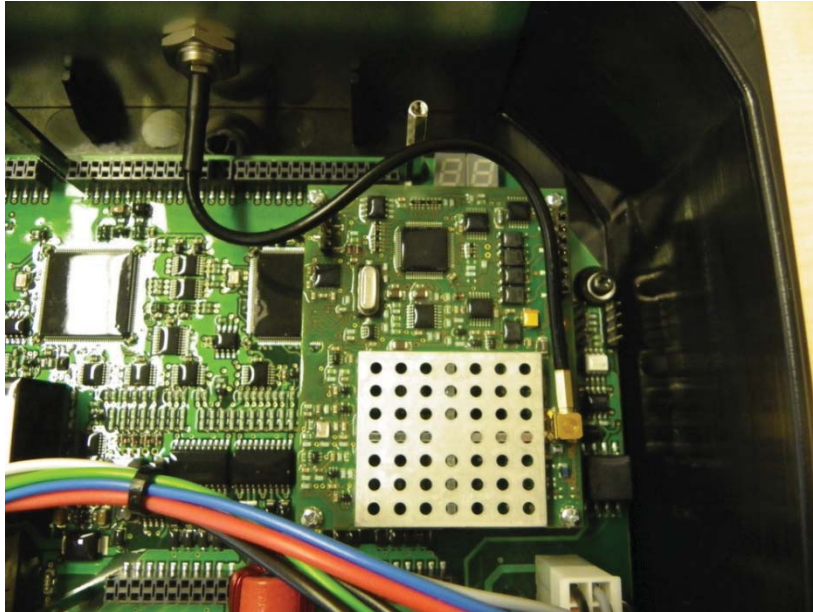
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Module Installation

6.4 Antenna connection on base station

Connect antenna cable to the antenna connector on the RCP 915 RF module like shown in chapter 6.2. Take special care that the connector is fixed properly.

The picture shows the proper connected antenna cable.



7 Legal issues for FCC (US) and IC (Canada)

Changes or modifications made to the equipment not expressly approved by PALFINGER AG may void the FCC / IC authorization to operate this equipment.

The use of the transceiver module is authorized in mobile or fixed host devices taking into account the conditions listed below:

- OEM Integrator must ensure that the end user manual may not contain any information about the way to install or remove the module from the final product.
- Depending on the final host device additional authorization requirements for the non-transmitter functions of the transmitter module may be required (i.e., Verification, or Declaration of Conformity) The OEM integrator is responsible for ensuring that after the module is installed and operational the host continues to be compliant with the Part 15B unintentional radiator requirements.
- The information on the label and in the user manual is required to be incorporated in the user manual of the final host. See 47 CFR15 requirements for more details (e.g. 15.19 / 15.21 / 15.101 / 15.105 / RSS-GEN / ICES)
- Additional label with the words 'Contains FCC ID: Q68-RCP915RF001' and 'Contains IC: 10683A-RCP915RF001' shall be applied and visible from the outside of the host product.
- The module must be installed and used in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the module.
- The end user manual for the final host product operating with this transmitter must include operating instructions to satisfy RF exposure compliance requirements.

Radiofrequency radiation exposure Information:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

- Only the antennas approved by PALFINGER AG must be used. The antennas may not be modified. The antenna must not be co-located or operating in conjunction with any other antenna or transmitter. No additional antenna must be used.
- When the final host product operating with this transmitter deviate from above, installation of this module into specific final hosts may require the submission of a Class II permissive change application containing data pertinent to RF Exposure, spurious emissions, ERP/EIRP, and host/module authentication, or new application if appropriate.
Feel free to contact us if additional guidance is required.