A Doorframe i7 anti-pilferage system operating in the band 7.400 – 8.800 MHz including a metal detection module operating on 127 kHz with an option to communicate with the outside world via LAN
Brand Nedap
Model: ASSY FC180R RF+MD
Interior Photographs

Description of item

Description of EUT	:	A Doorframe i7 anti-pilferage system operating in the band 7.400 – 8.800 MHz including a metal detection module operating on 127 kHz with an option to communicate with the outside world via LAN
Manufacturer	:	N.V. Nederlandsche Apparatenfabriek "Nedap"
Brand	:	Nedap
Models	:	ASSY FC180R RF+MD
FCC ID	:	CGDFC180RRFMD
IC	:	1444A-FC180RRFMD
Type of Service	:	New Application

Applicant information

Applicant's representative	:	Mr. Jacques Hulshof
Company	:	N.V. Nederlandsche Apparatenfabriek "Nedap"
Address	:	Parallelweg 2
Postal code	:	7141 DC
City	:	Groenlo
PO-box	:	6
Postal code	:	7140 AA
City	:	Groenlo
Country	:	The Netherlands
Telephone number	:	+31 (0) 544 471111
Telefax number	:	+31 (0) 544 463475

26 July 2015

Table of contents

1 EXTERNAL PHOTOGRAPH 4

2 INTERNAL PICTURES TOTAL OVERVIEW 5

3 DETAIL PHOTOGRAPHS OF THE COMPONENTS 6

3.1 PROCESSING UNIT – RENOS INCLUDING EAS 8.2 MHZ TRANSMITTER 6

3.1.1 Positioned in the system 6

3.1.2 With metal cover 6

3.1.3 Back side with metal cover 7

3.1.4 Unit dismantled 7

3.1.5 Front side Printed Circuit Board 8

3.1.6 Back side 9

3.2 METAL DETECTION TRANSMITTER PCB 10

3.2.1 Positioned in the system 10

3.2.2 Front side 10

3.2.3 Back side 11

3.2.4 Metal detection box dismantled 11

3.2.5 Top side PCB. 12

3.2.6 Back side PCB 12

3.3 ANTENNA MATCHING PRINTED CIRCUIT BOARD 13

3.3.1 Positioned in the system 13

3.3.2 Front side 14

3.3.3 Back side 14

3.4 LED PRINTED CIRCUIT BOARD 15

3.4.1 Positioned in the system 15

3.4.2 Component side 15

3.4.3 Back side 15

3.5 CC (CUSTOMER COUNTER) 16

3.5.1 Positioned in the system 16

3.5.2 Back side 16

3.5.3 Component side 16

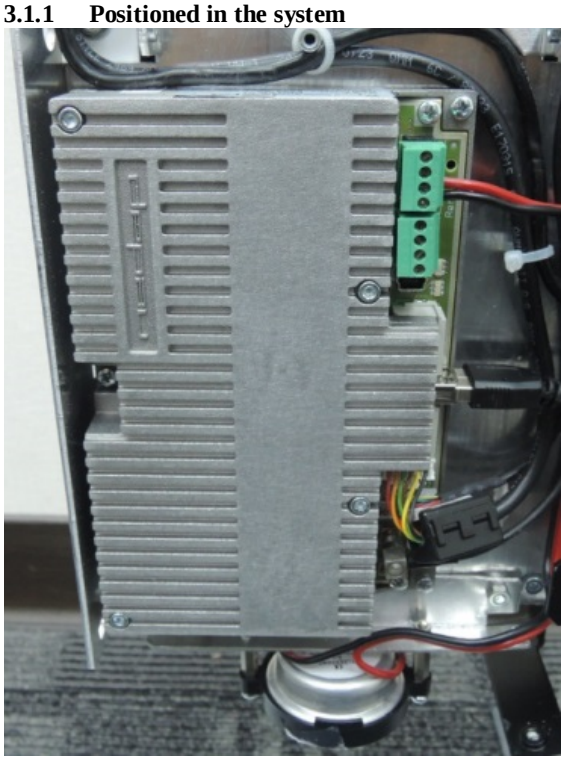
1 External Photograph

2 Internal pictures total overview

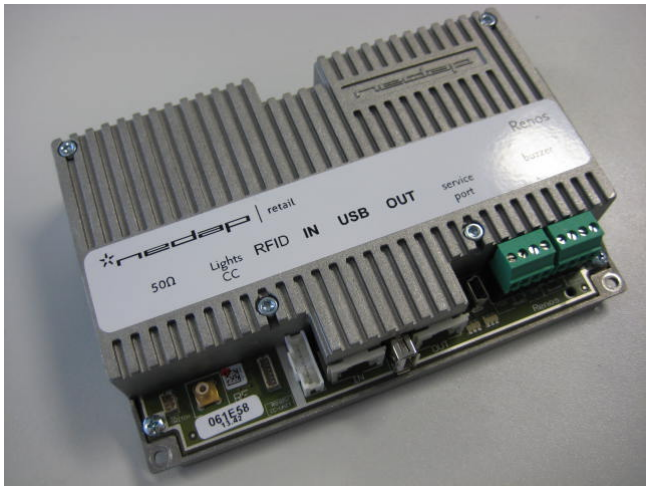
3 Detail photographs of the components

3.1 Processing unit – Renos including EAS 8.2 MHz transmitter

3.1.1 Positioned in the system

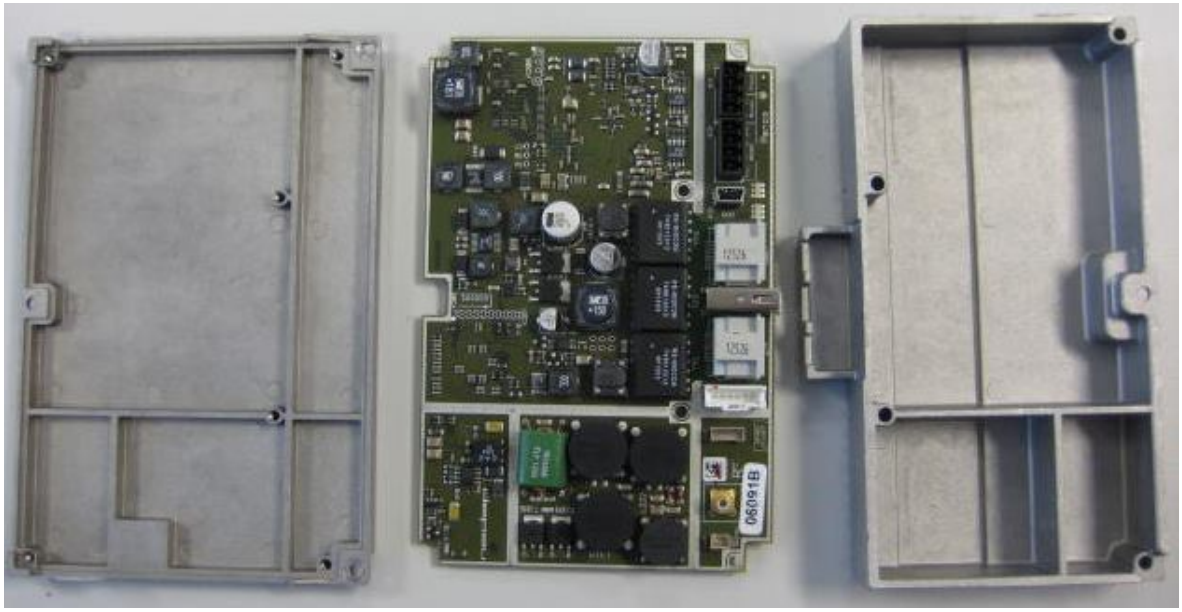


3.1.2 With metal cover

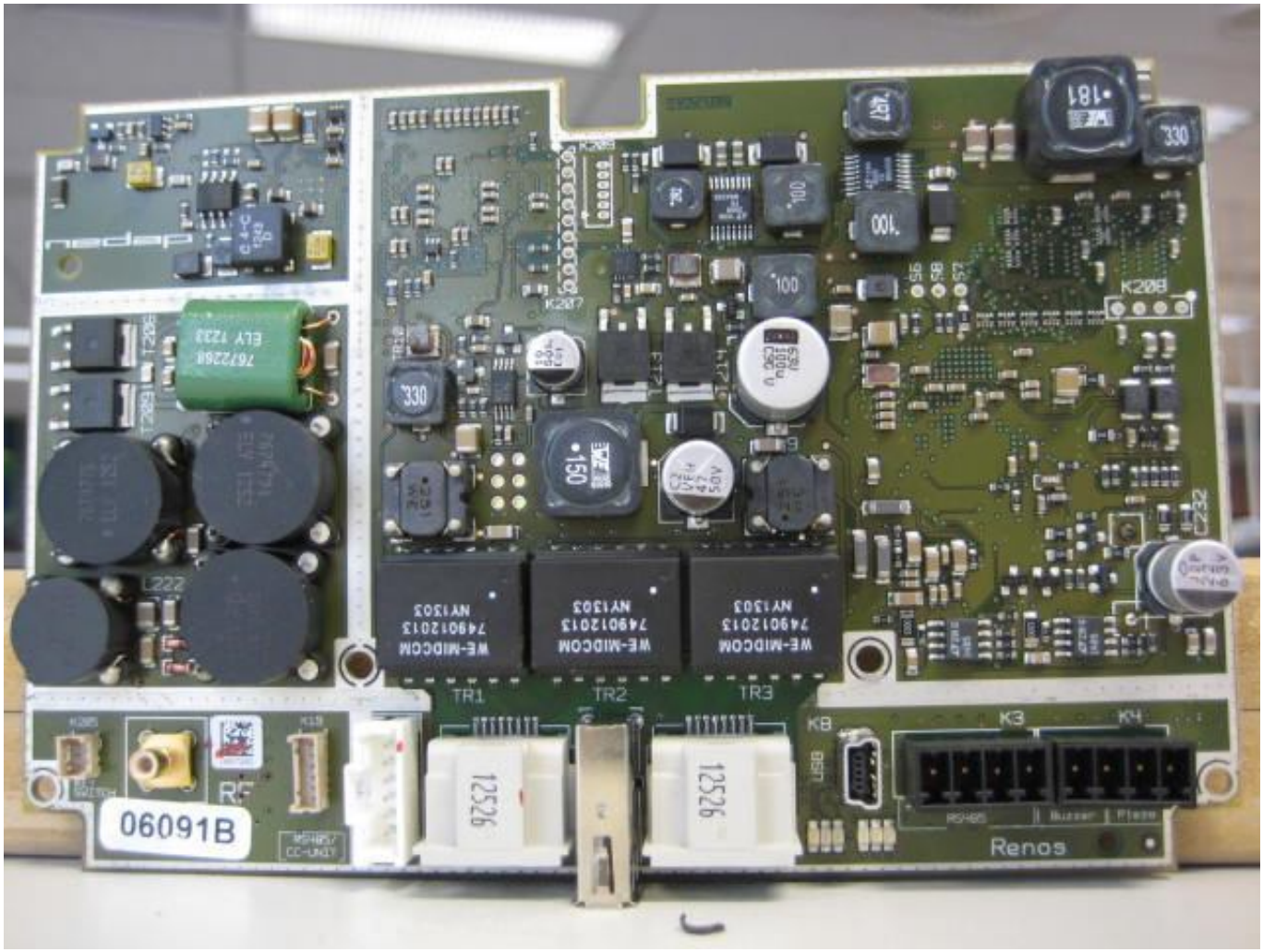


3.1.3 Back side with metal cover

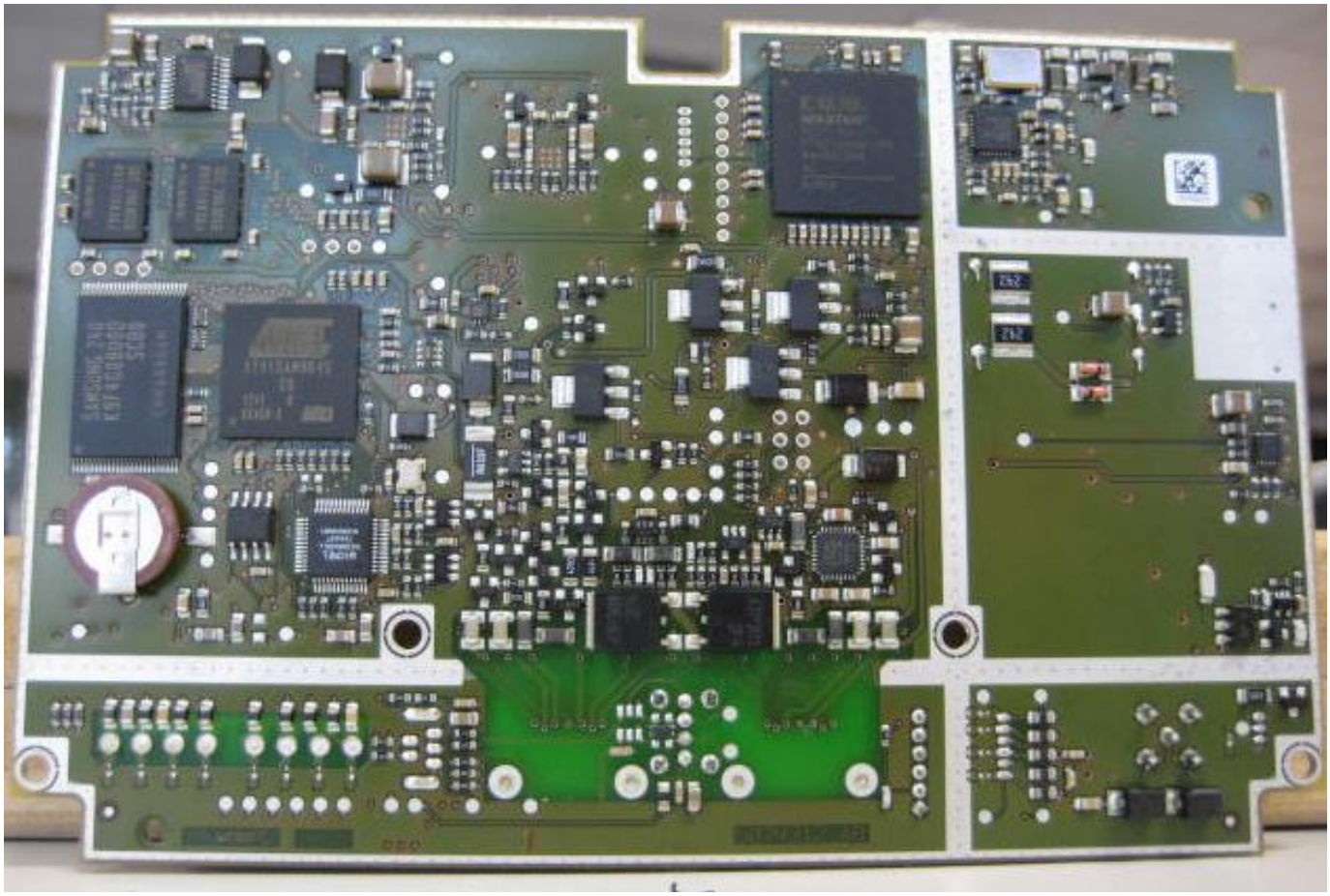
3.1.4 Unit dismantled



3.1.5 Front side Printed Circuit Board

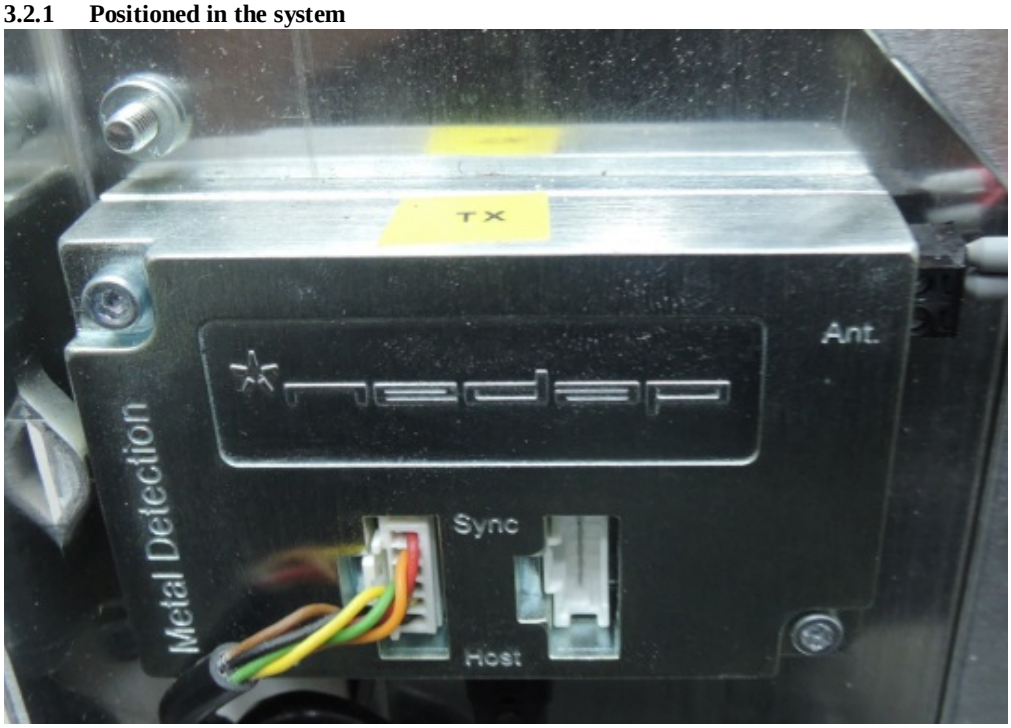


3.1.6 Back side



3.2 Metal detection transmitter PCB

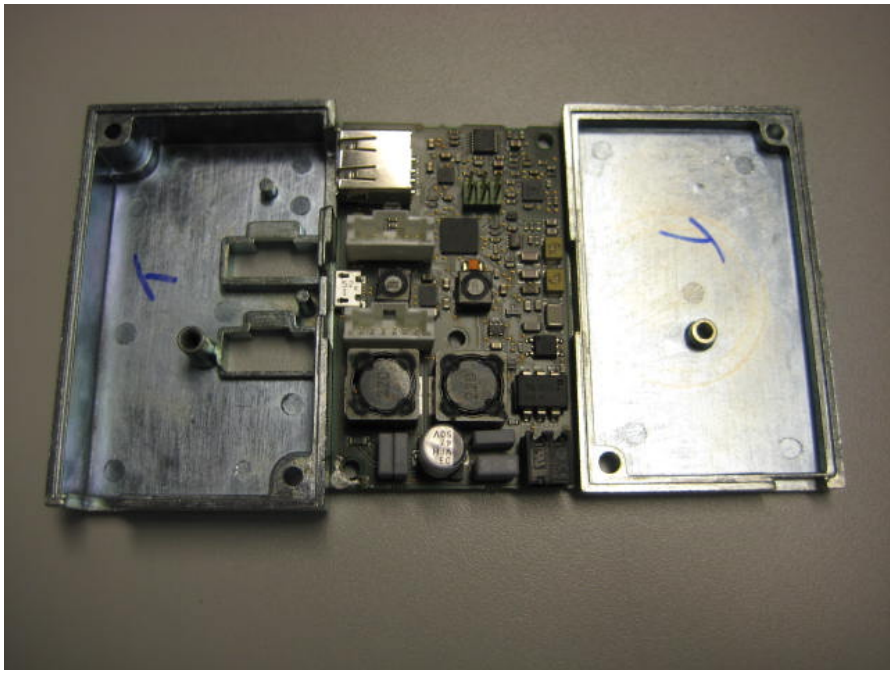
3.2.1 Positioned in the system



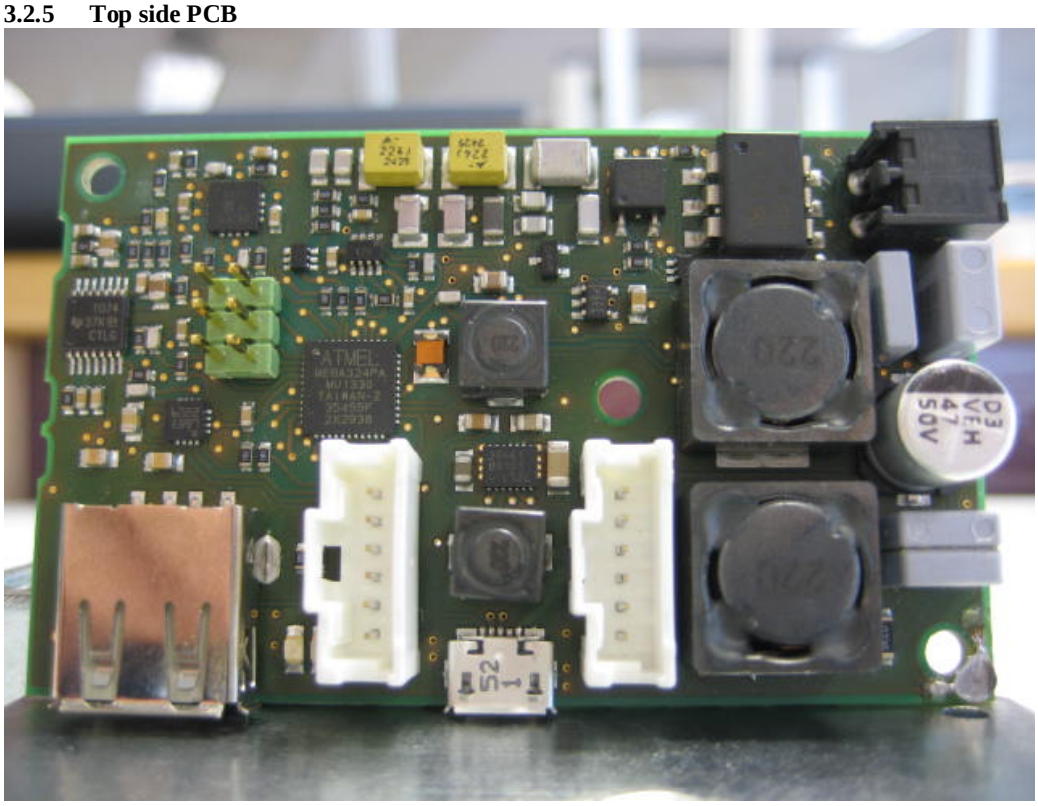
3.2.2 Front side

3.2.3 Back side

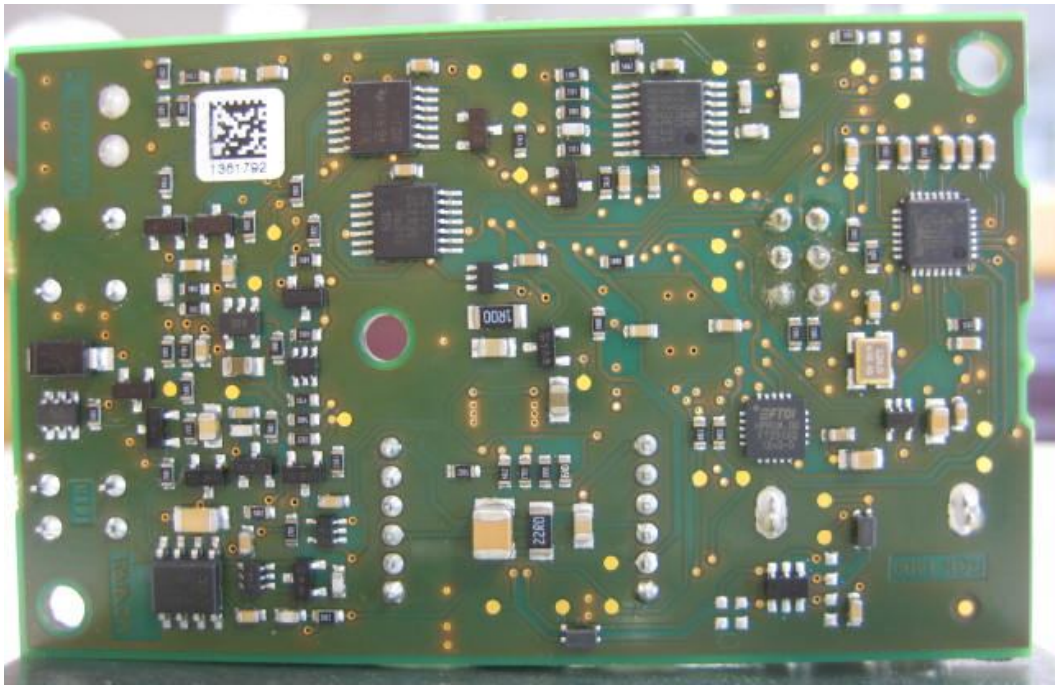
3.2.4 Metal detection box dismantled



3.2.5 Top side PCB



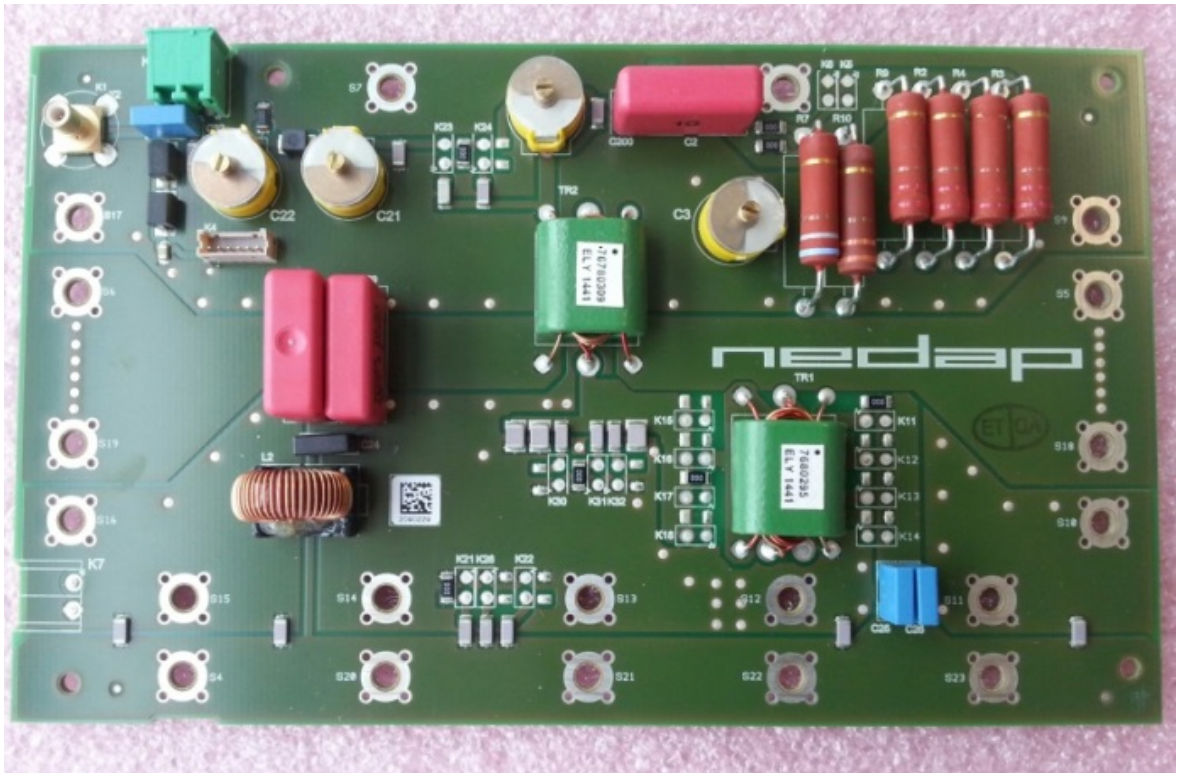
3.2.6 Back side PCB



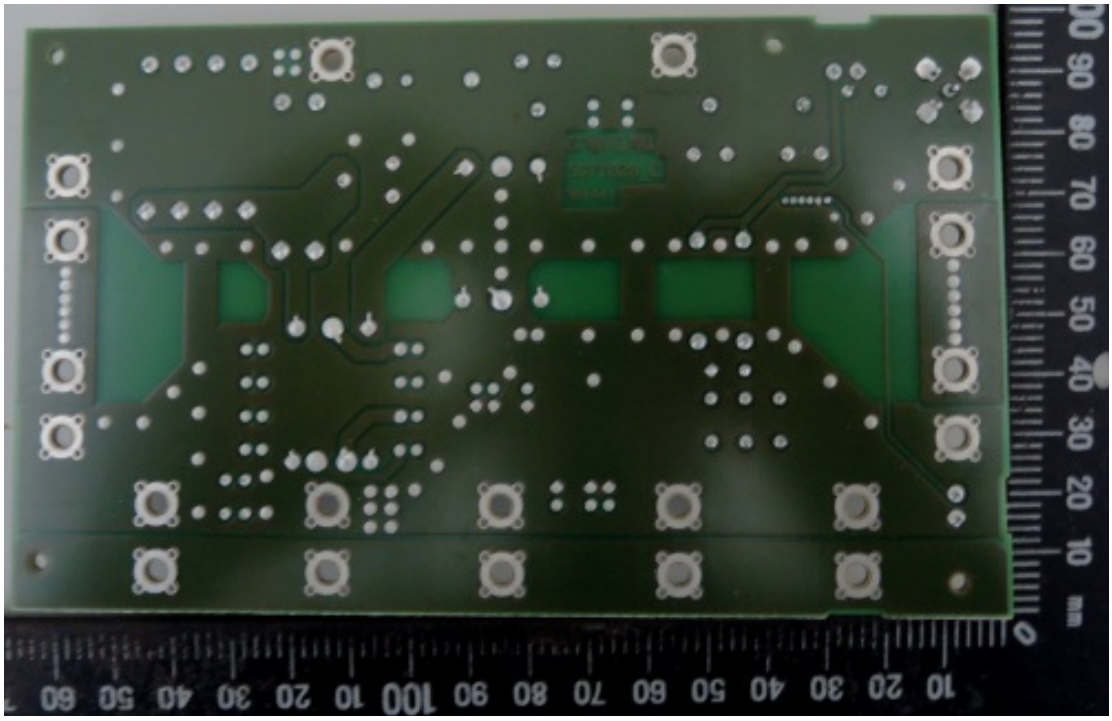
3.3 Antenna matching Printed Circuit Board

3.3.1 Positioned in the system

3.3.2 Front side

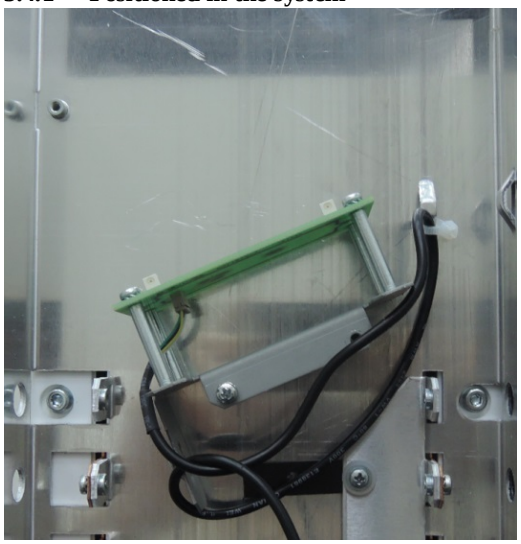


3.3.3 Back side

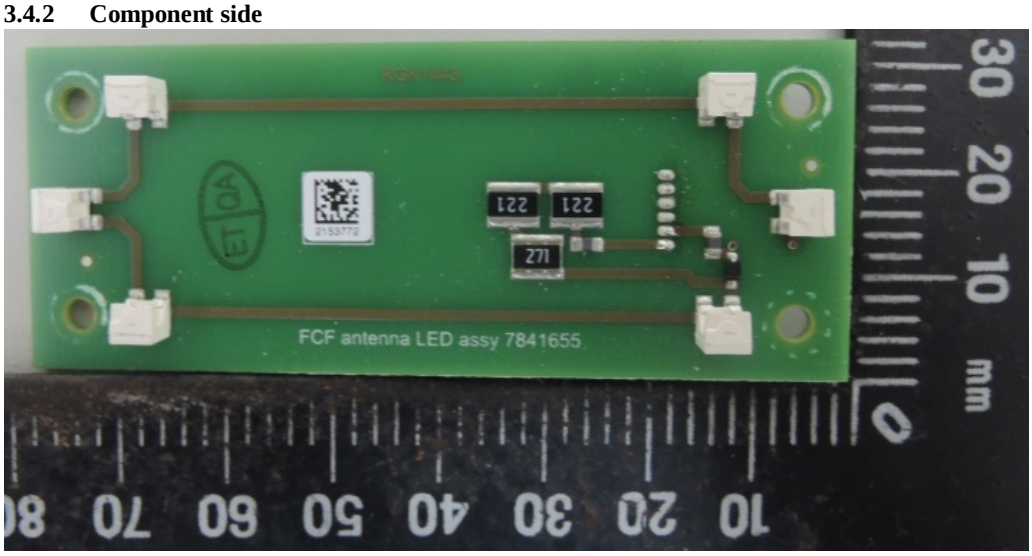


3.4 LED Printed Circuit board

3.4.1 Positioned in the system



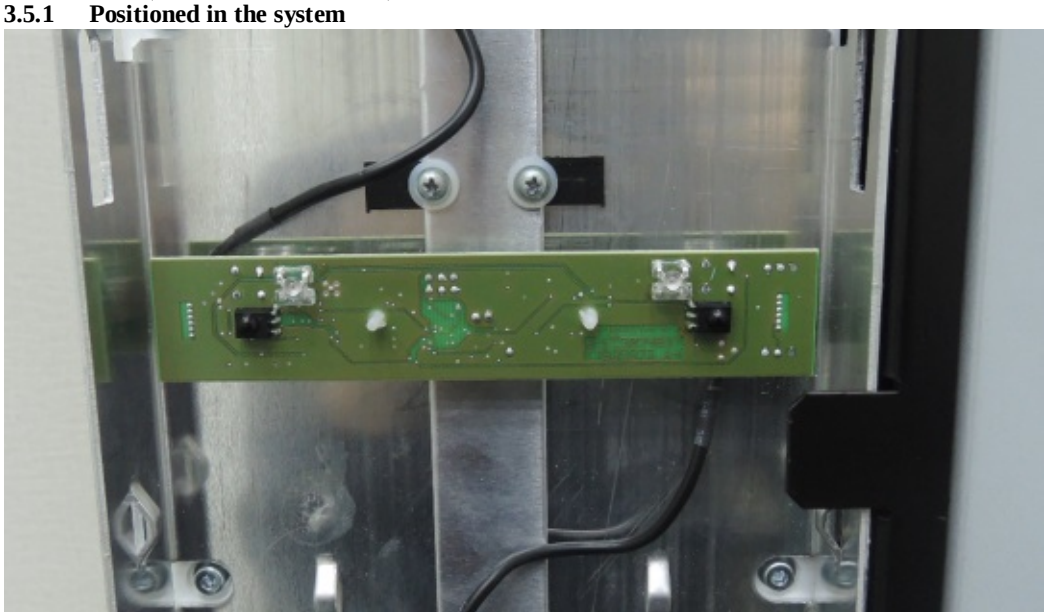
3.4.2 Component side



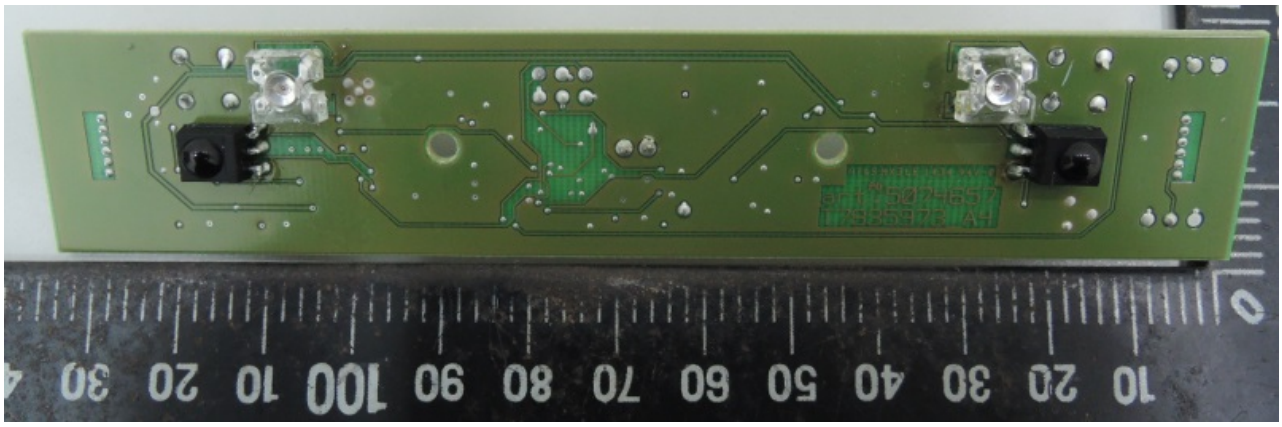
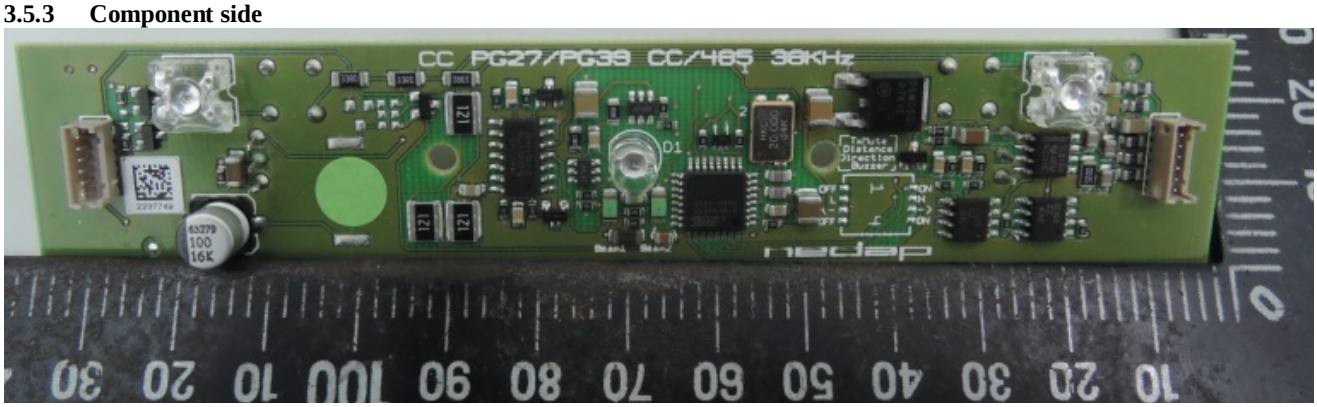
3.4.3 Back side

3.5 CC (Customer counter)

3.5.1 Positioned in the system



3.5.2 Back side



3.5.3 Component side