

From

Our Reference

Tel

Hildesheim  
03 August 2018**Report**

Issue      Confidential  
Topic      **A-IVI Scope 2 Internal Pictures**  
Description      Pictures of PCBs used in A-IVI Scope 2 units

Product Type:      Radio-Navigation-System

Model Names:      AIVISBX0

Brand:      Robert Bosch Car Multimedia GmbH

Bosch Confidential!

From

Our Reference

Tel

Hildesheim  
03 August 2018

Report

Issue Confidential

Topic A-IVI Scope 2 Internal Pictures

**Contend**

<b>1 Pictures of disassembly .....</b>	<b>3</b>
<b>1.1 Main PCB "F" V02.....</b>	<b>5</b>
1.1.1 Main PCB "F" V02 Top side Rest of World insertion .....	5
1.1.2 Main PCB "V" V02 Bottom side Rest of World insertion .....	6
1.1.3 Main PCB "F" V02 Top side US insertion.....	7
1.1.4 Main PCB "F" V02 Bottom side US insertion.....	8
<b>2 XM Module (all US / CAN variants) .....</b>	<b>9</b>
<b>3 Bluetooth/Wi-Fi Module (all variants) .....</b>	<b>10</b>
<b>3.1 Bluetooth/Wi-Fi Module without Shielding (all variants).....</b>	<b>10</b>
<b>3.2 Bluetooth/Wi-Fi Module bottom side.....</b>	<b>11</b>
<b>4 Sub PCBs .....</b>	<b>12</b>
<b>4.1 Sub PCB "M".....</b>	<b>12</b>
4.1.1 Sub PCB "M" Top side.....	12
4.1.2 Sub PCB "M" Bottom side.....	13

Bosch Confidential

From

| Our Reference

| Tel

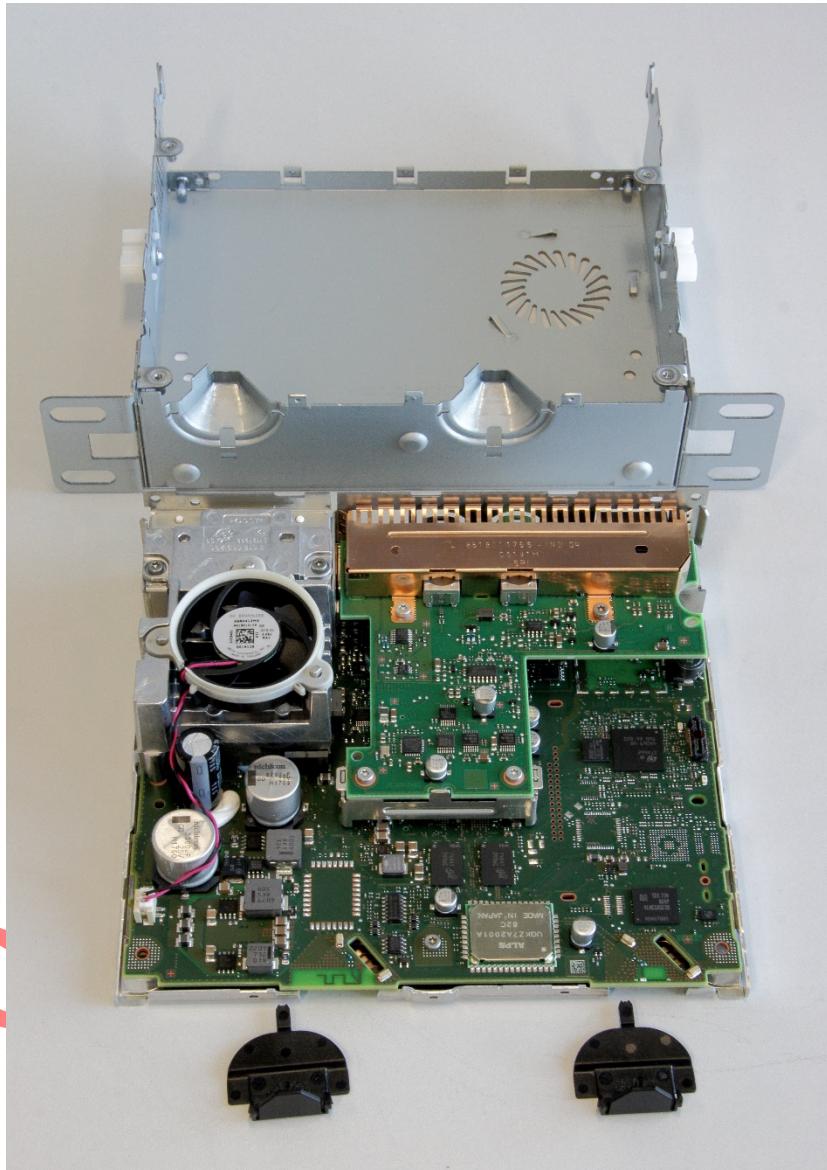
Hildesheim  
03 August 2018

Report

Issue Confidential

Topic A-IVI Scope 2 Internal Pictures

## 1 Pictures of disassembly



confidential

BOSCH

From

Our Reference

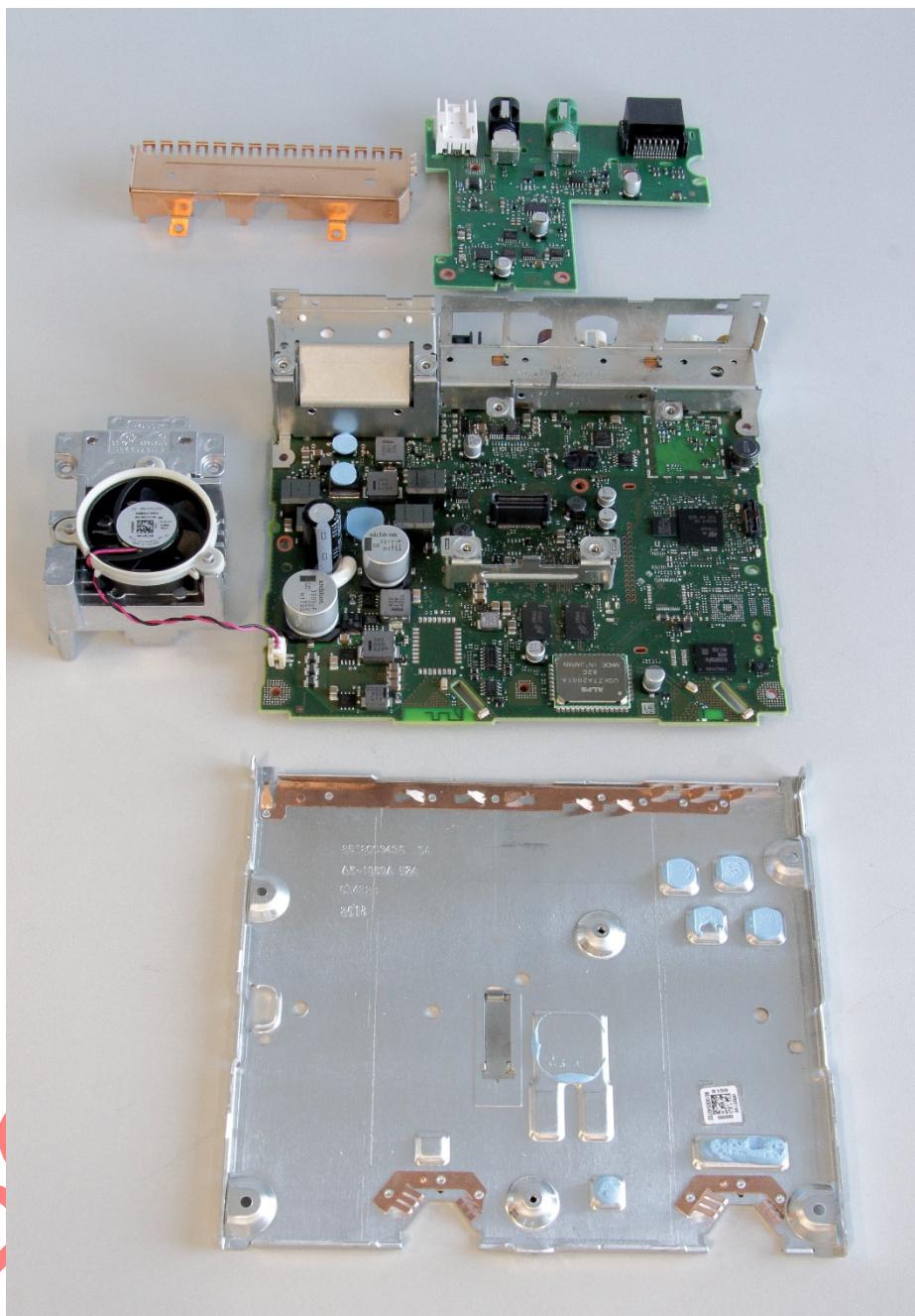
Tel

Hildesheim  
03 August 2018

Report

Issue Confidential

Topic A-IVI Scope 2 Internal Pictures





From

Our Reference

Tel

Hildesheim  
03 August 2018

Report

Issue Confidential

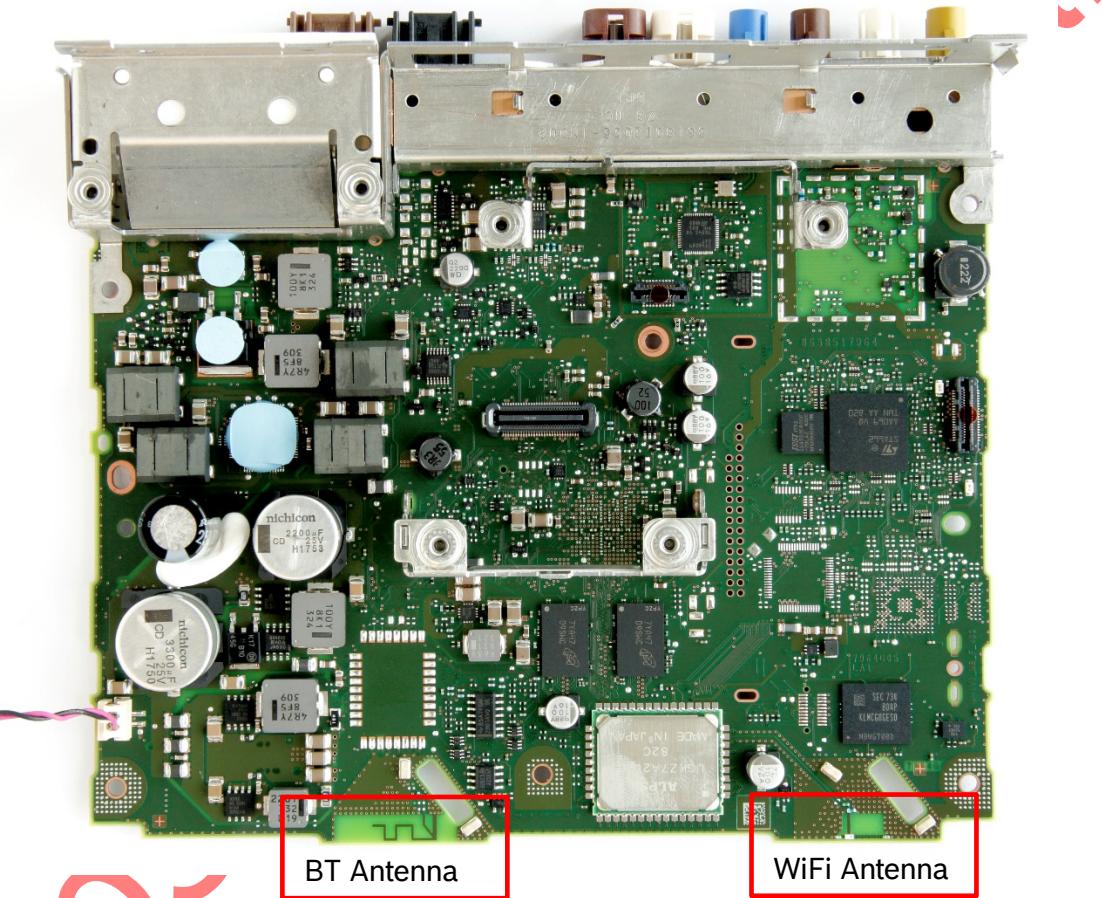
Topic A-IVI Scope 2 Internal Pictures

## 1.1 Main PCB "F" V02

Circuit and layout name / version: A-IVI\_MB\_F\_V02

Update of "B" V01. Small layout improvements mainly for reliability

### 1.1.1 Main PCB "F" V02 Top side Rest of World insertion



WiFi Antenna

BT Antenna

From

Our Reference

Tel

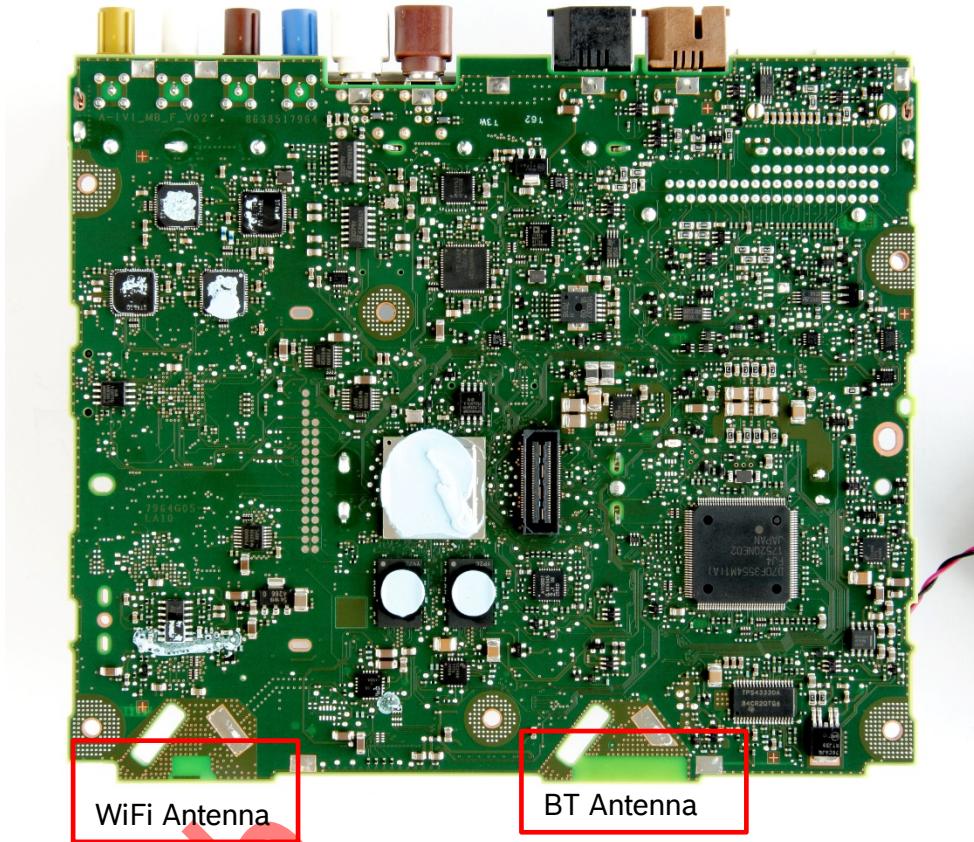
Hildesheim  
03 August 2018

Report

Issue Confidential

Topic A-IVI Scope 2 Internal Pictures

### 1.1.2 Main PCB "V" V02 Bottom side Rest of World insertion





From

Our Reference

Tel

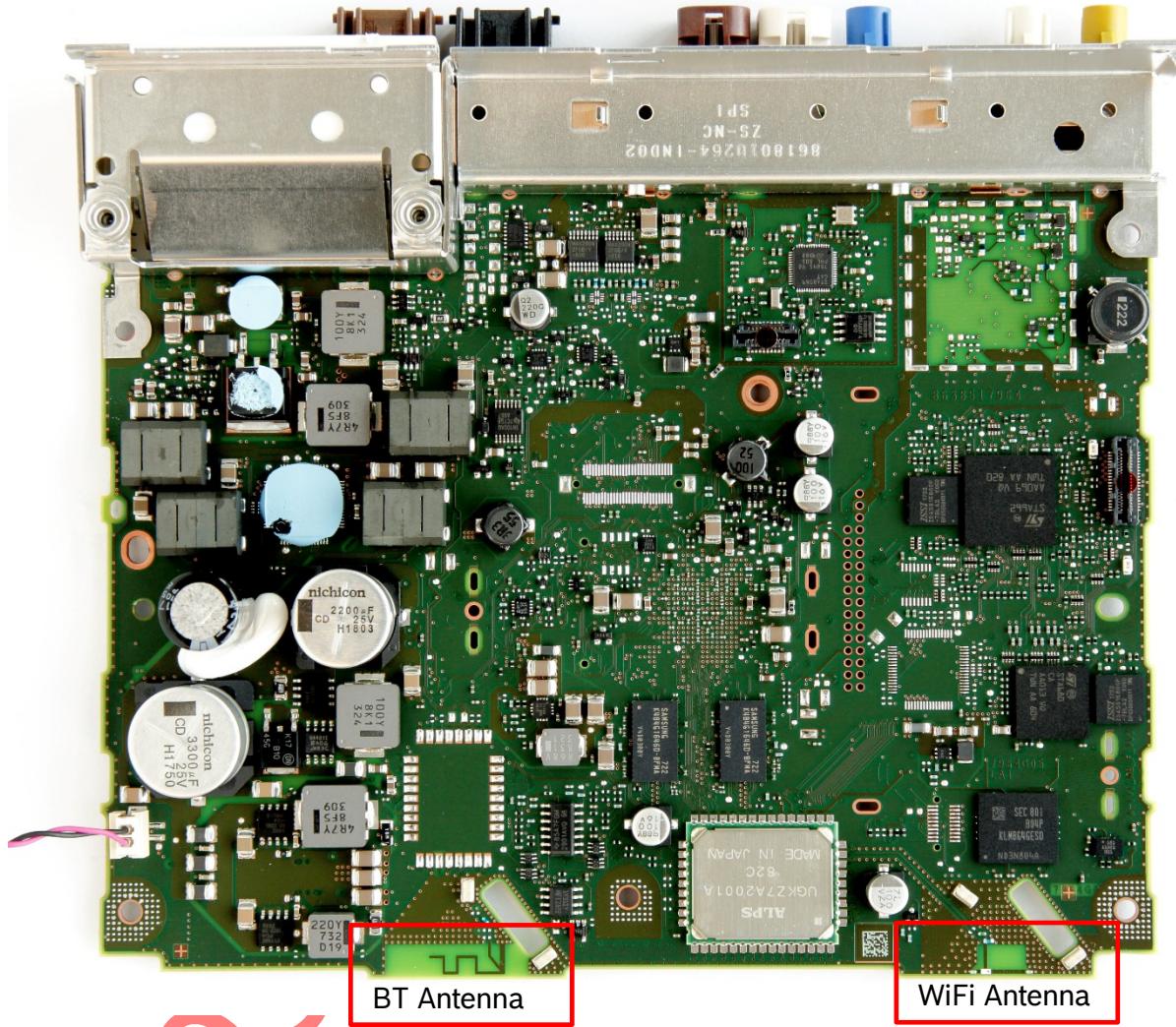
Hildesheim  
03 August 2018

Report

Issue Confidential

Topic A-IVI Scope 2 Internal Pictures

### 1.1.3 Main PCB "F" V02 Top side US insertion



Bo'



From

Our Reference

Tel

Hildesheim

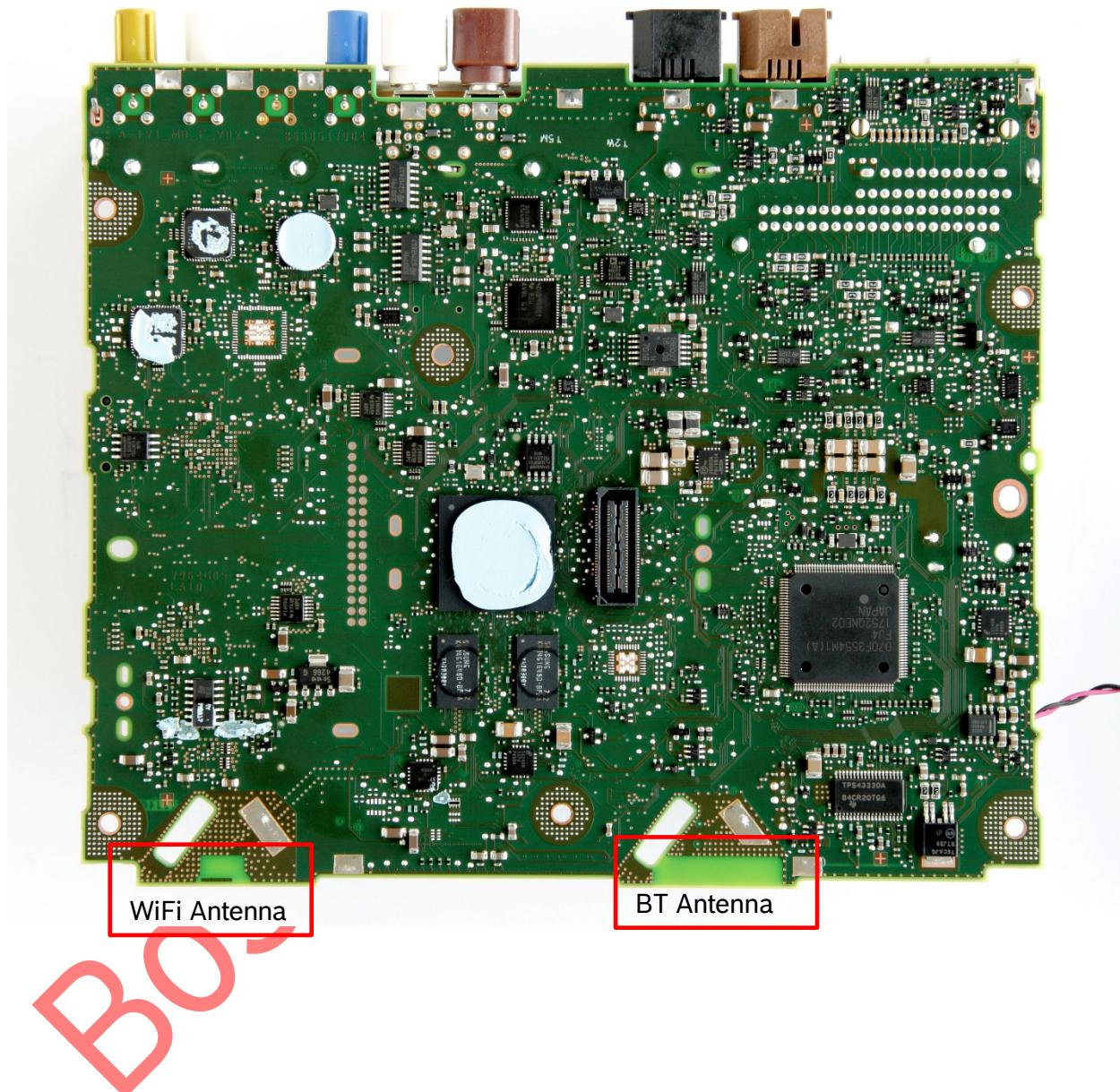
03 August 2018

Report

Issue Confidential

Topic A-IVI Scope 2 Internal Pictures

### 1.1.4 Main PCB "F" V02 Bottom side US insertion



From

Our Reference

Tel

Hildesheim  
03 August 2018

Report

Issue Confidential

Topic A-IVI Scope 2 Internal Pictures

## 2 XM Module (all US / CAN variants)



Bosch Confidential

From

Our Reference

Tel

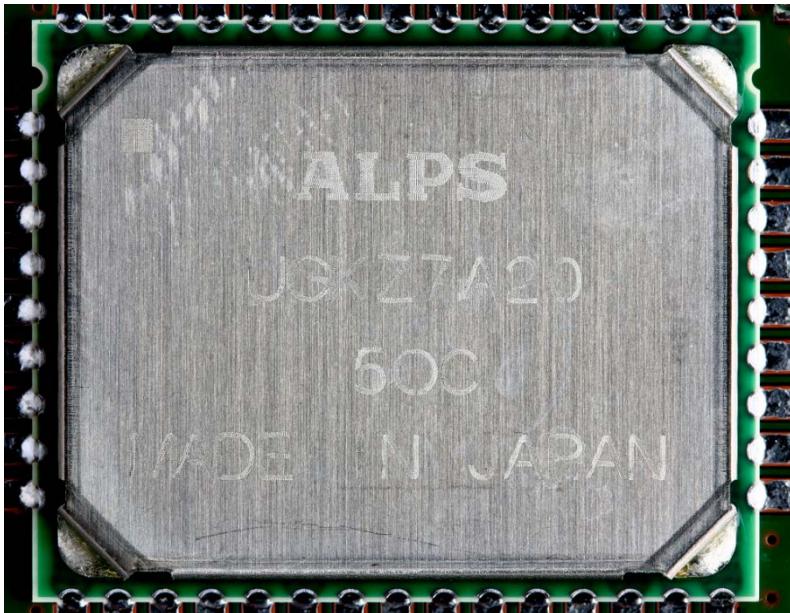
Hildesheim  
03 August 2018

Report

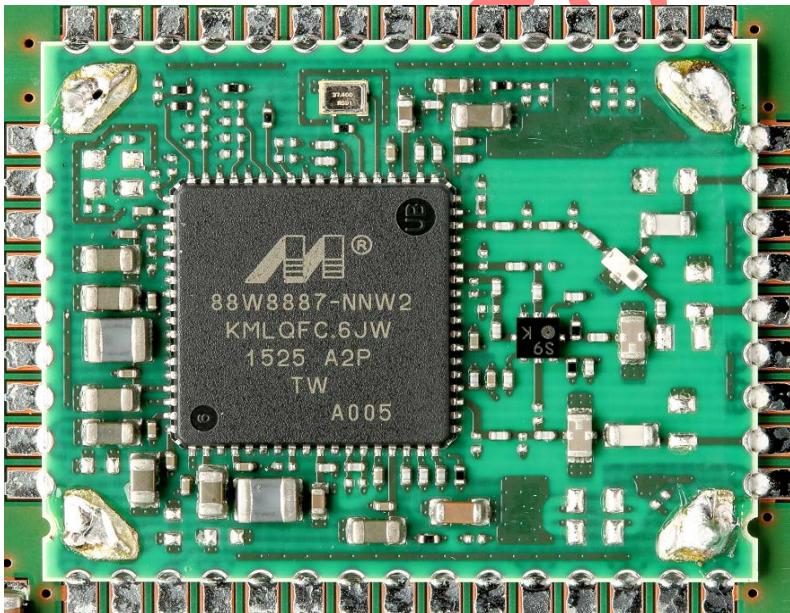
Issue Confidential

Topic A-IVI Scope 2 Internal Pictures

### 3 Bluetooth/Wi-Fi Module (all variants)



#### 3.1 Bluetooth/Wi-Fi Module without Shielding (all variants)



From

Our Reference

Tel

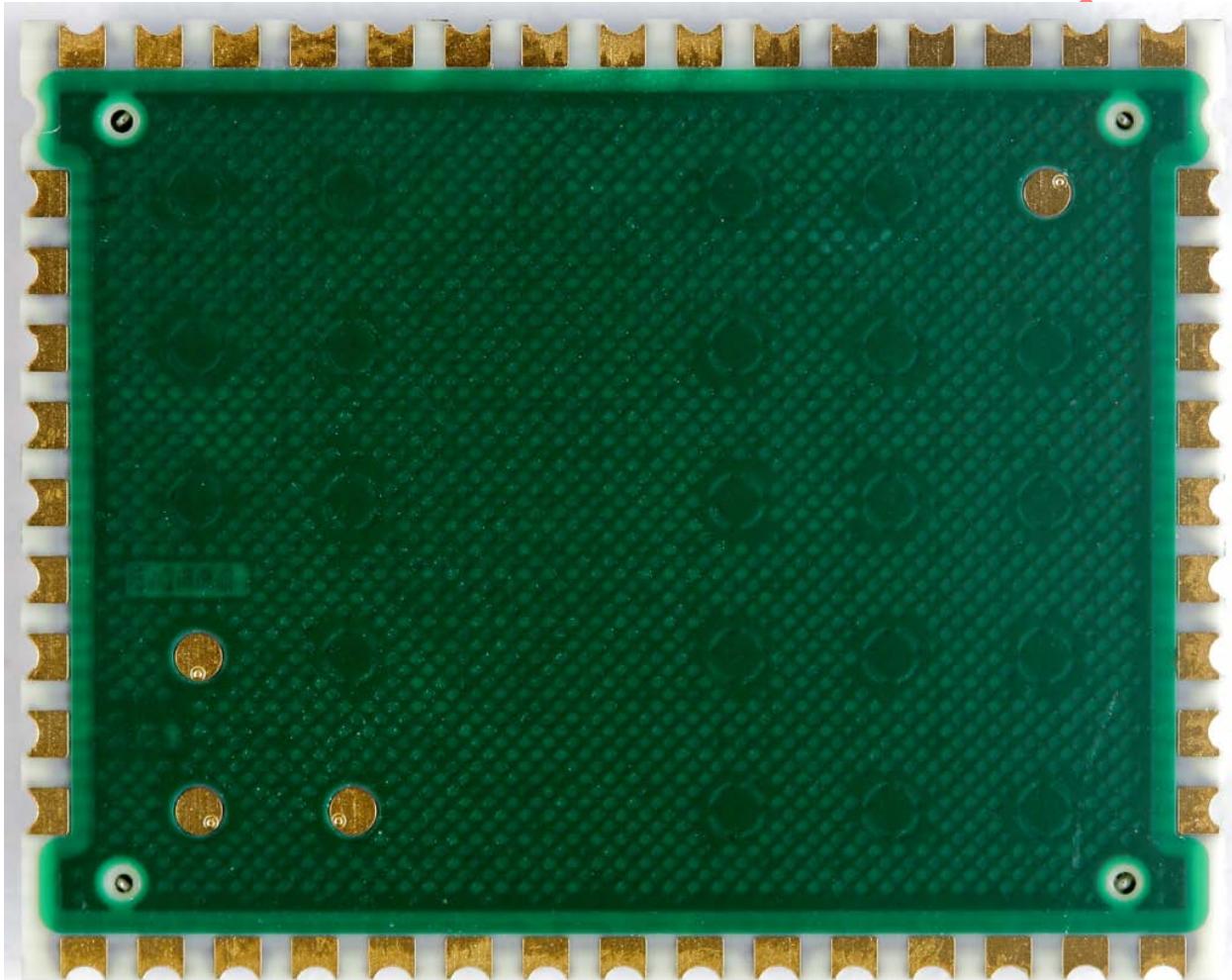
Hildesheim  
03 August 2018

Report

Issue Confidential

Topic A-IVI Scope 2 Internal Pictures

### 3.2 Bluetooth/Wi-Fi Module bottom side

**BO'**

From

Our Reference

Tel

Hildesheim  
03 August 2018

Report

Issue Confidential

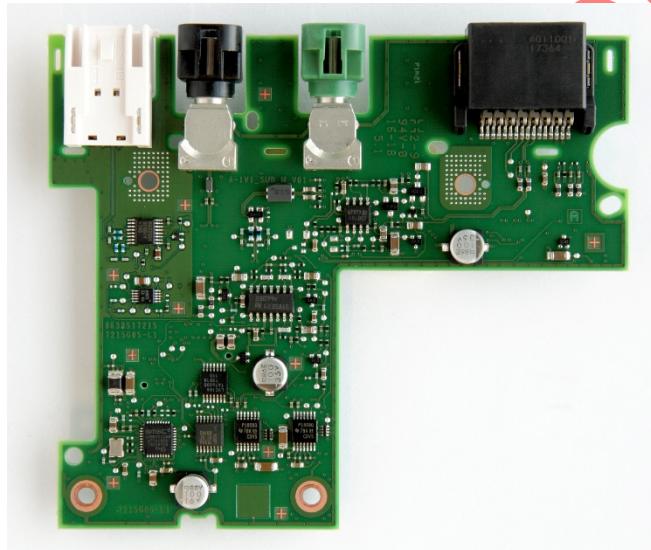
Topic A-IVI Scope 2 Internal Pictures

## 4 Sub PCBs

### 4.1 Sub PCB "M"

Circuit and layout name / version: A-IVI\_SUB\_M\_V01

#### 4.1.1 Sub PCB "M" Top side



From

| Our Reference

| Tel

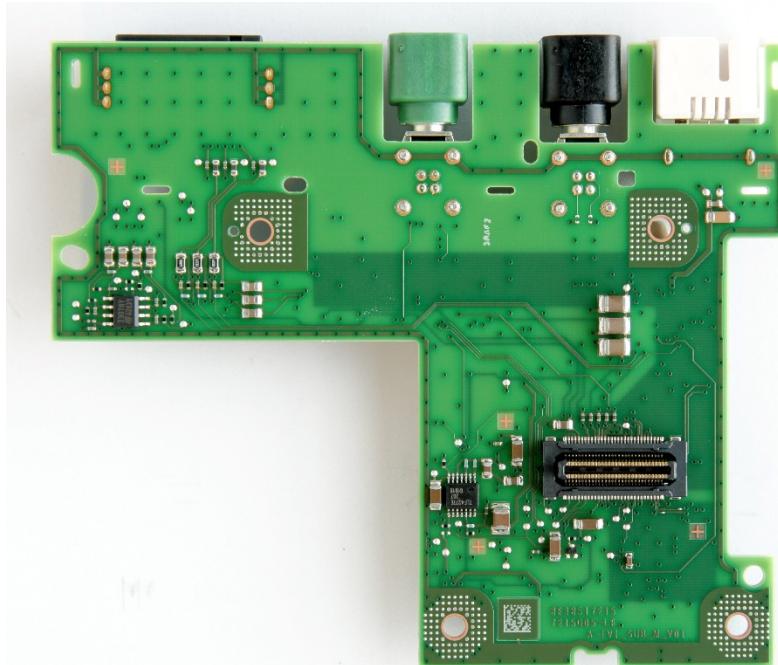
Hildesheim  
03 August 2018

Report

Issue Confidential

Topic A-IVI Scope 2 Internal Pictures

#### 4.1.2 Sub PCB "M" Bottom side



Bosch Co