

Hildesheim
25 June 2018

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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: AIVIL42P0
Brand: Robert Bosch Car Multimedia GmbH

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Hildesheim

25 June 2018

From

Our Reference

Tel

Report

Issue Confidential

Topic A-IVI Scope 2 Internal Pictures

Contend

- 1 Pictures of disassembly 3**
- 1.1 AIVIL42P0..... 3**
- 1.2 Main PCB "B" V02 5**
 - 1.2.1 Main PCB "B" V02 Top side US insertion..... 5
 - 1.2.2 Main PCB "B" V02 Bottom side US insertion 5
 - 1.2.3 Main PCB "B" V02 Top side Rest of World insertion 6
 - 1.2.4 Main PCB "B" V02 Bottom side Rest of World insertion 6
- 1.3 Main PCB "E" 7**
 - 1.3.1 Main PCB "E" Top side Rest of World insertion 7
 - 1.3.2 Main PCB "E" Bottom side Rest of World insertion 7
- 2 XM Module (all US / CAN variants)..... 8**
- 2.1 Switch PCB "L42P" 9**
 - 2.1.1 Switch PCB "L42P" Top side 9
 - 2.1.2 Switch PCB "L42P" Bottom side 9
- 3 Bluetooth/Wi-Fi Module (all variants) 10**
- 3.1 Bluetooth/Wi-Fi Module without Shielding (all variants)..... 10**
- 3.2 Bluetooth/Wi-Fi Module bottom side..... 11**
- 4 Sub PCBs 11**
- 4.1 Sub PCB "R"..... 11**
 - 4.1.1 Sub PCB "R" Top side 12
 - 4.1.2 Sub PCB "R" Bottom side 12

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Hildesheim
25 June 2018

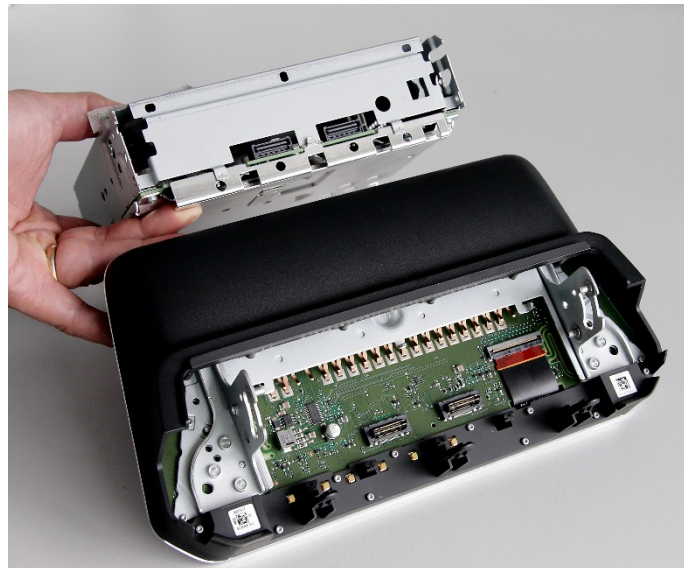
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Report
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Topic A-IVI Scope 2 Internal Pictures

1 Pictures of disassembly

The information which PCB is used in which system is defined in the Model specific documentation.

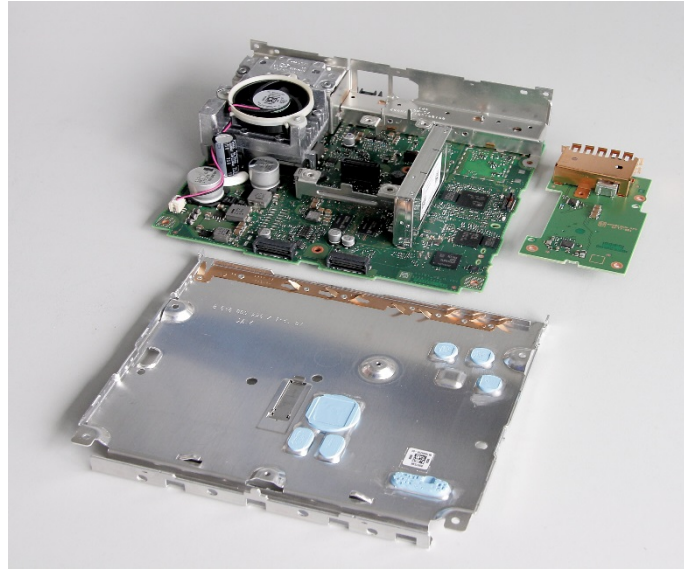
1.1 AIVIL42P0



Hildesheim
25 June 2018

From | Our Reference | Tel

Report
Issue Confidential
Topic A-IVI Scope 2 Internal Pictures



Hildesheim
25 June 2018

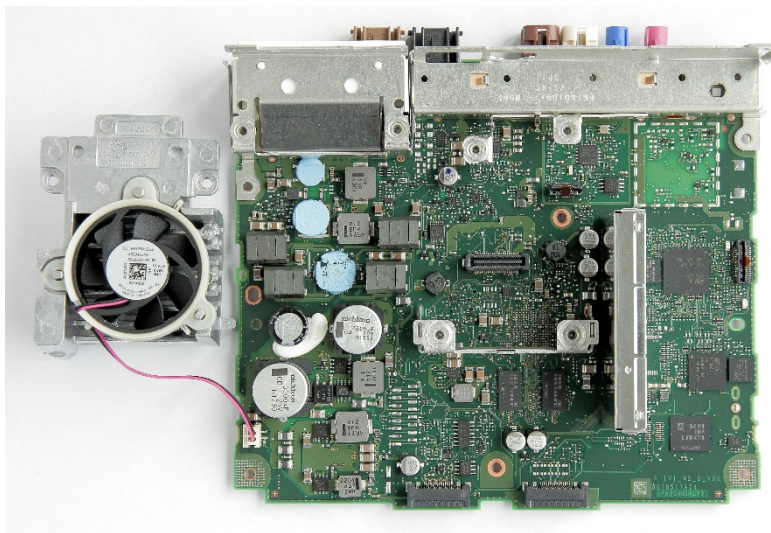
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Report
Issue Confidential
Topic A-IVI Scope 2 Internal Pictures

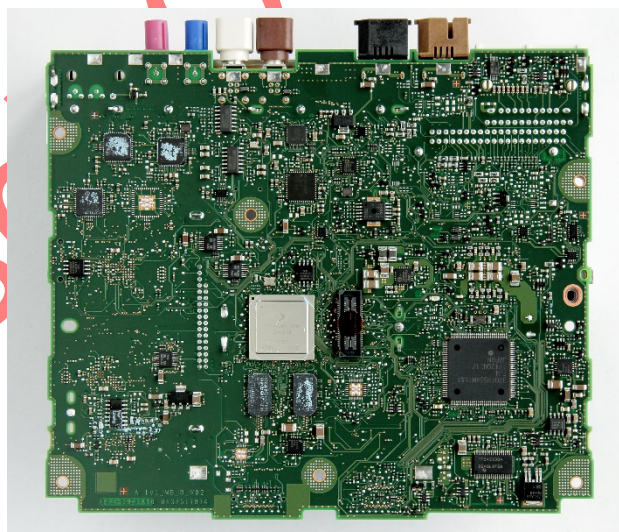
1.2 Main PCB "B" V02

Circuit and layout name / version: A-IVI_MB_B_V02
Update of "B" V01. Small layout improvements mainly for reliability

1.2.1 Main PCB "B" V02 Top side US insertion



1.2.2 Main PCB "B" V02 Bottom side US insertion



Hildesheim
25 June 2018

From

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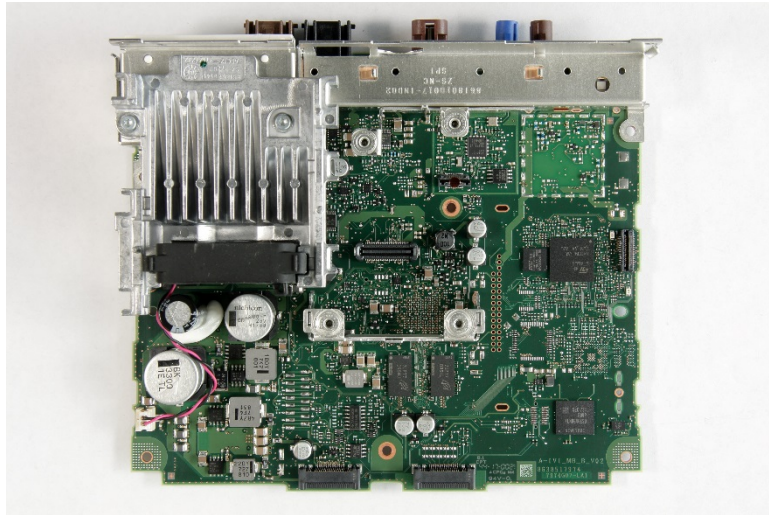
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Report

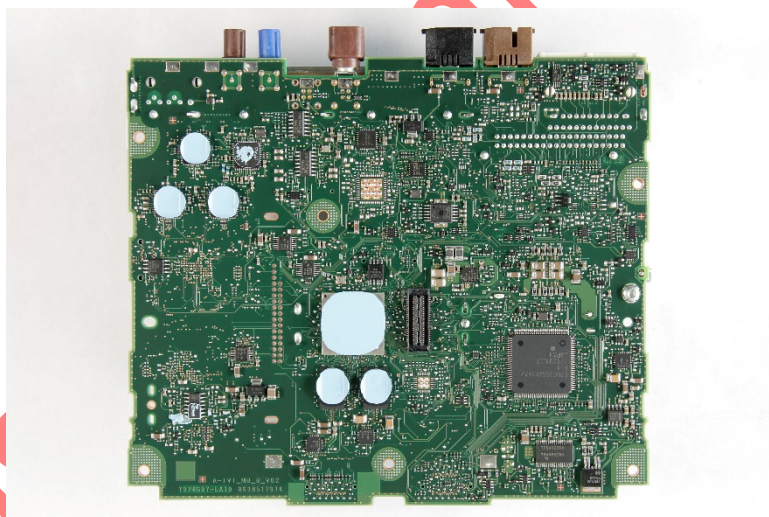
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Topic A-IVI Scope 2 Internal Pictures

1.2.3 Main PCB "B" V02 Top side Rest of World insertion



1.2.4 Main PCB "B" V02 Bottom side Rest of World insertion



Hildesheim
25 June 2018

From	Our Reference	Tel
------	---------------	-----

Report

Issue Confidential

Topic A-IVI Scope 2 Internal Pictures

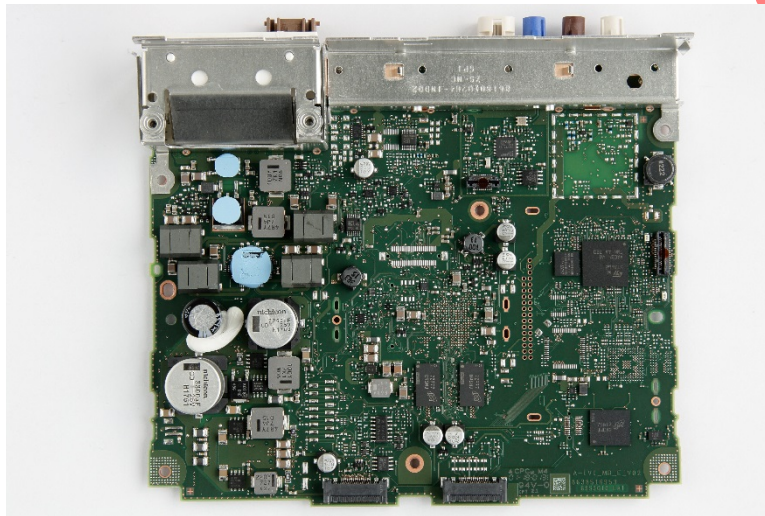
1.3 Main PCB “E”

Circuit and layout name / version: A-IVI_MB_E_V01

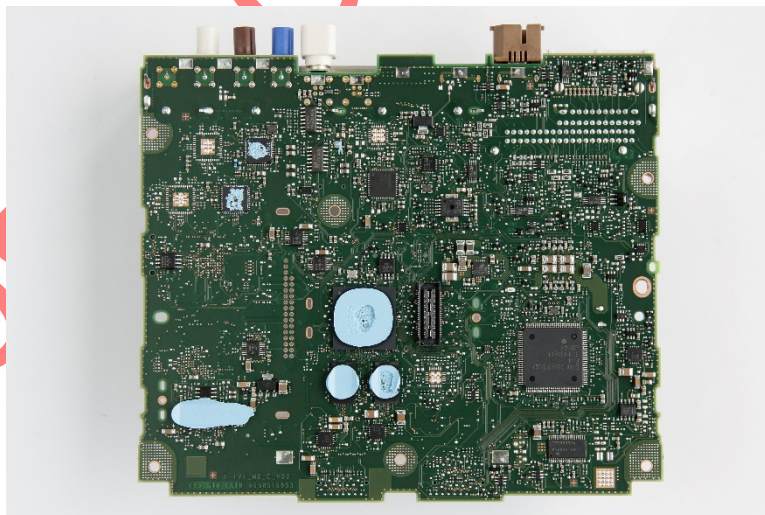
Mainboard used for all units with fascia and FAKRA antenna connector

Layouts are identical to “B” version, only the AM/FM connector is exchanged

1.3.1 Main PCB “E” Top side Rest of World insertion



1.3.2 Main PCB “E” Bottom side Rest of World insertion



Hildesheim
25 June 2018

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Report
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Topic A-IVI Scope 2 Internal Pictures

2 XM Module (all US / CAN variants)



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25 June 2018

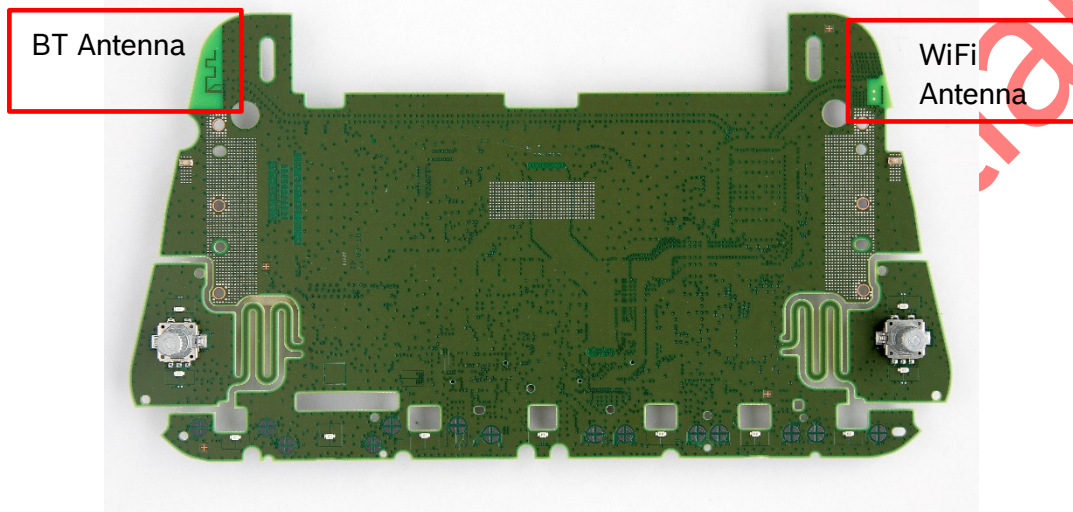
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Report
Issue Confidential
Topic A-IVI Scope 2 Internal Pictures

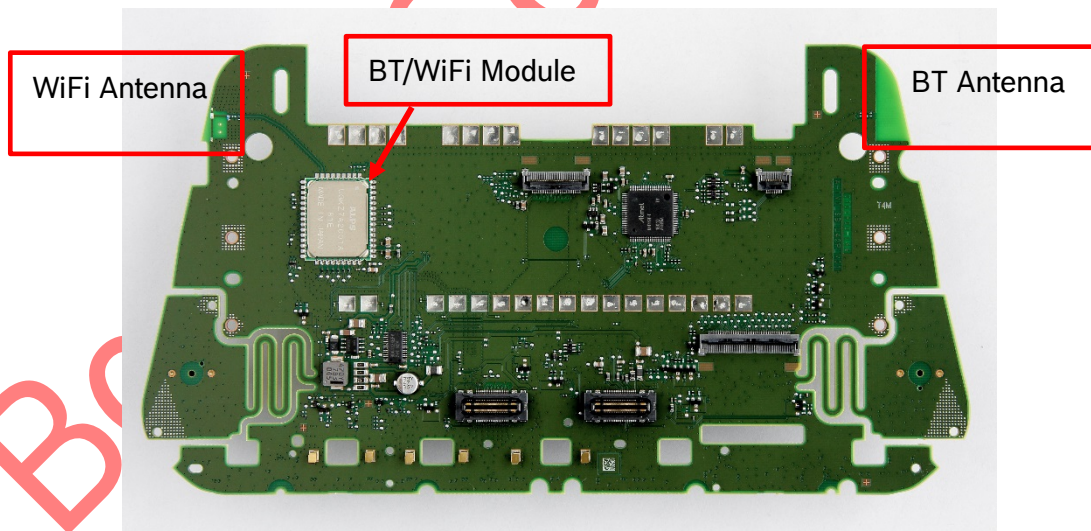
2.1 Switch PCB “L42P”

Circuit and layout name / version: A-IVI_SB_L42P_V01

2.1.1 Switch PCB “L42P” Top side



2.1.2 Switch PCB “L42P” Bottom side

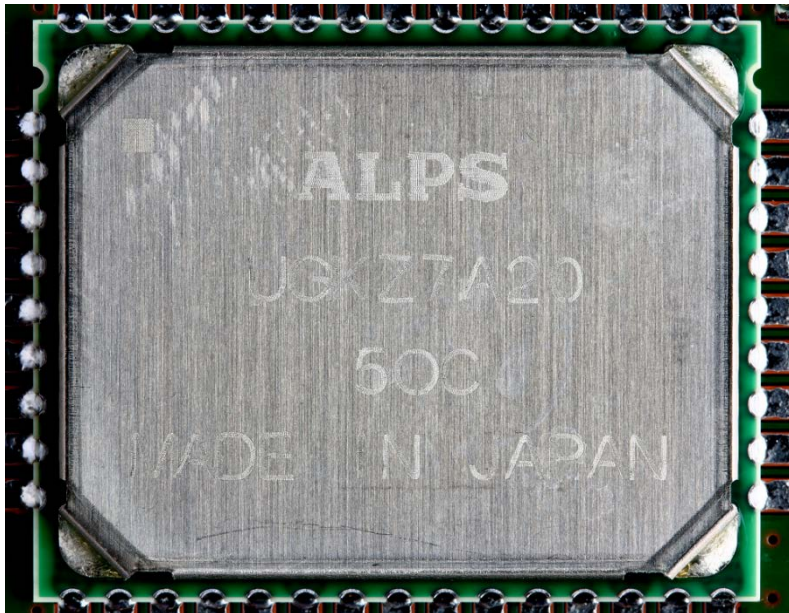


Hildesheim
25 June 2018

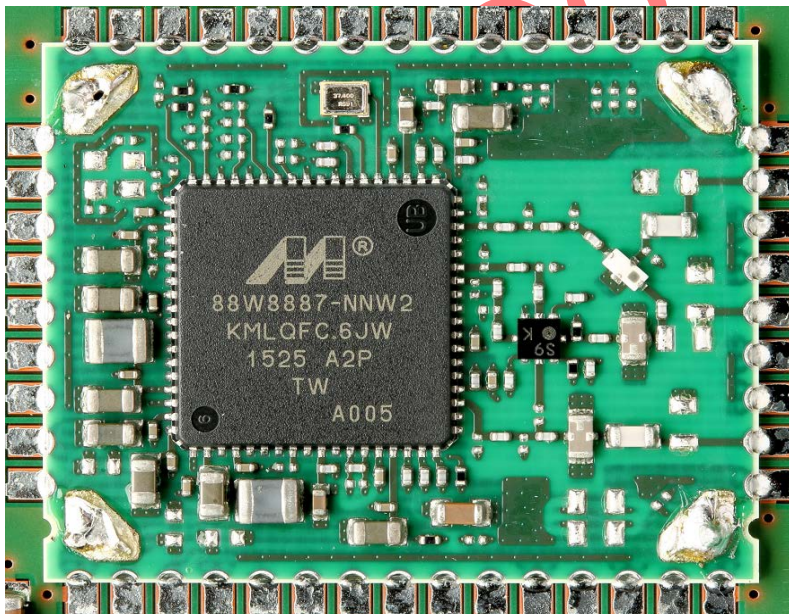
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Issue Confidential
Topic A-IVI Scope 2 Internal Pictures

3 Bluetooth/Wi-Fi Module (all variants)



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

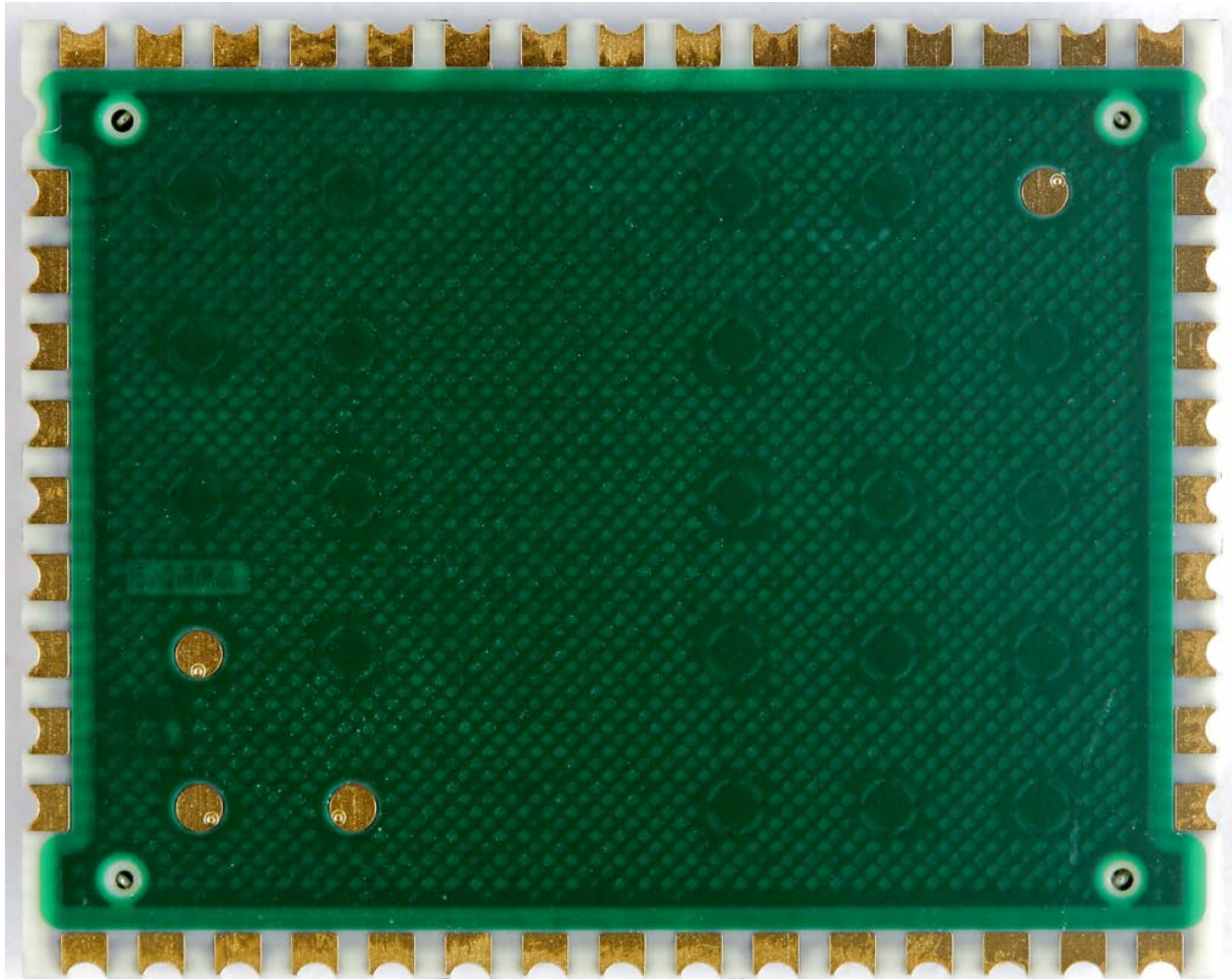


Hildesheim
25 June 2018

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Report
Issue Confidential
Topic A-IVI Scope 2 Internal Pictures

3.2 Bluetooth/Wi-Fi Module bottom side



4 Sub PCBs

4.1 Sub PCB "R"

Circuit and layout name / version: TBD

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25 June 2018

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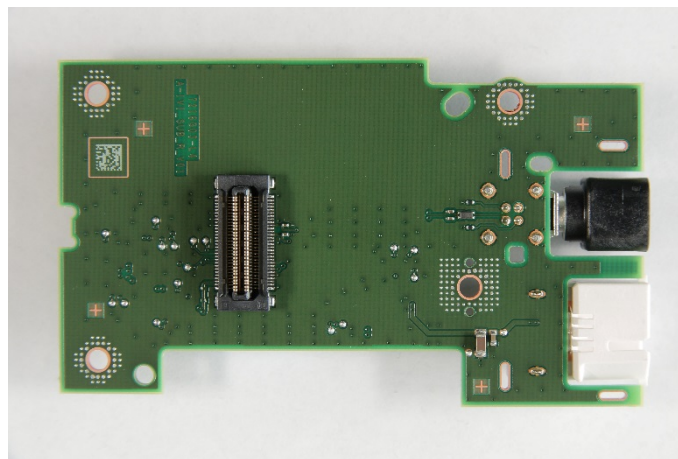
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Used in Nissan units only.

4.1.1 Sub PCB "R" Top side



4.1.2 Sub PCB "R" Bottom side

