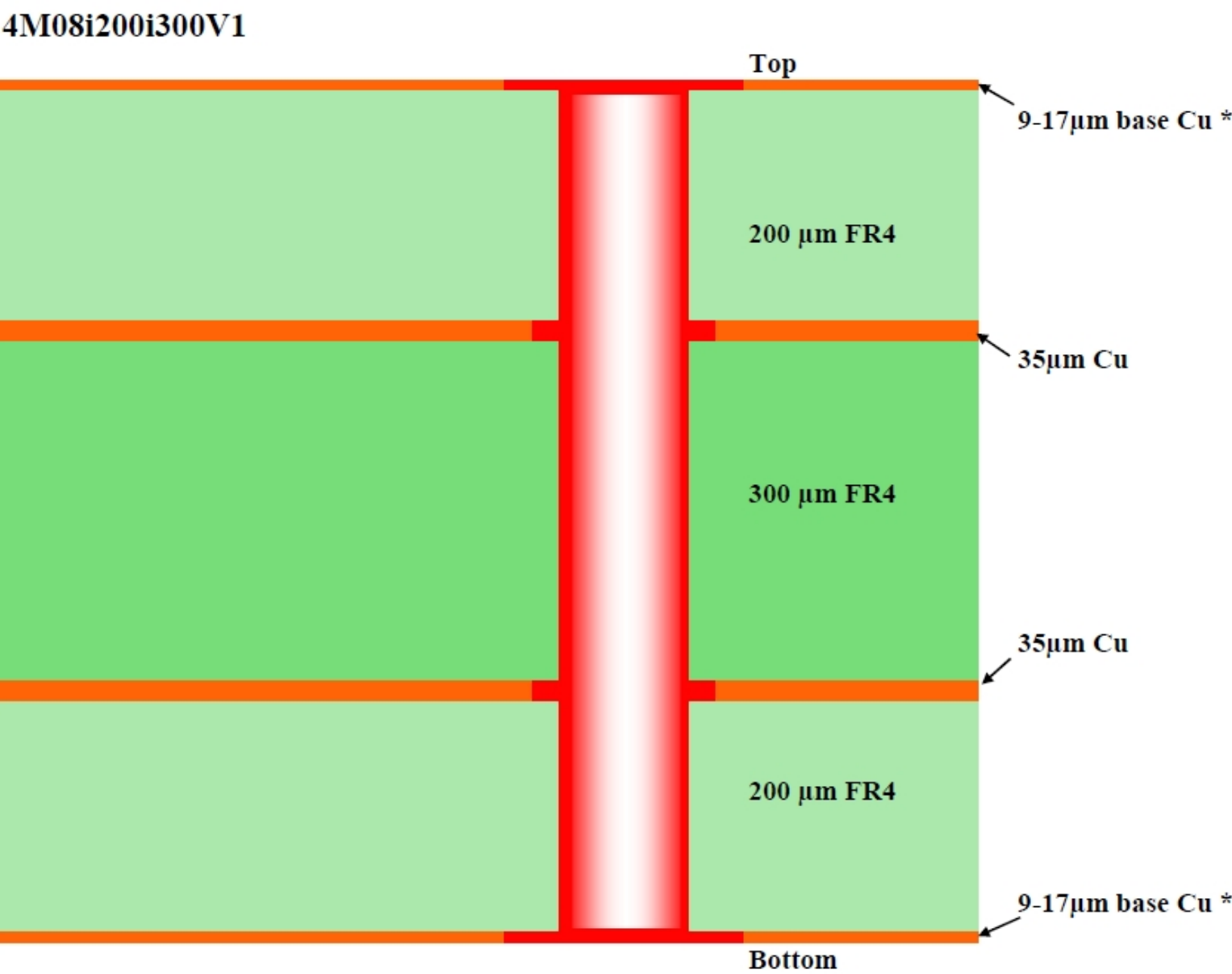


WMI

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- Page 01 Overview Sheet
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PCB-Stackup



Tolerance: For each listed base material (Prepreg, Core) acc. to IPC-4101 Class C/M

* Final Copper-thickness (base Cu + plating) acc. to IPC-6012 Class II

The PCB-thickness (over all dimension) is a result of the addition of the multilayer thickness plus copper plating and plus soldermask = **0.9 mm ± 10%**

Legend:

Functionblock

Line Style = Dot

Source2Target-SignalName < 2 IN Signal (crossref-xxx-IN.1)

Source2Target-SignalName > 2 OUT Signal (crossref-xxx-OUT.1)

Host2Slave-SignalName < 2 Bidirectional (crossref-xxx.1)

EMC-Shielding

Line Style = Big Dash

Comments and notes

Line Style = Phantom

LP? Solder Pad

TP? Test Point

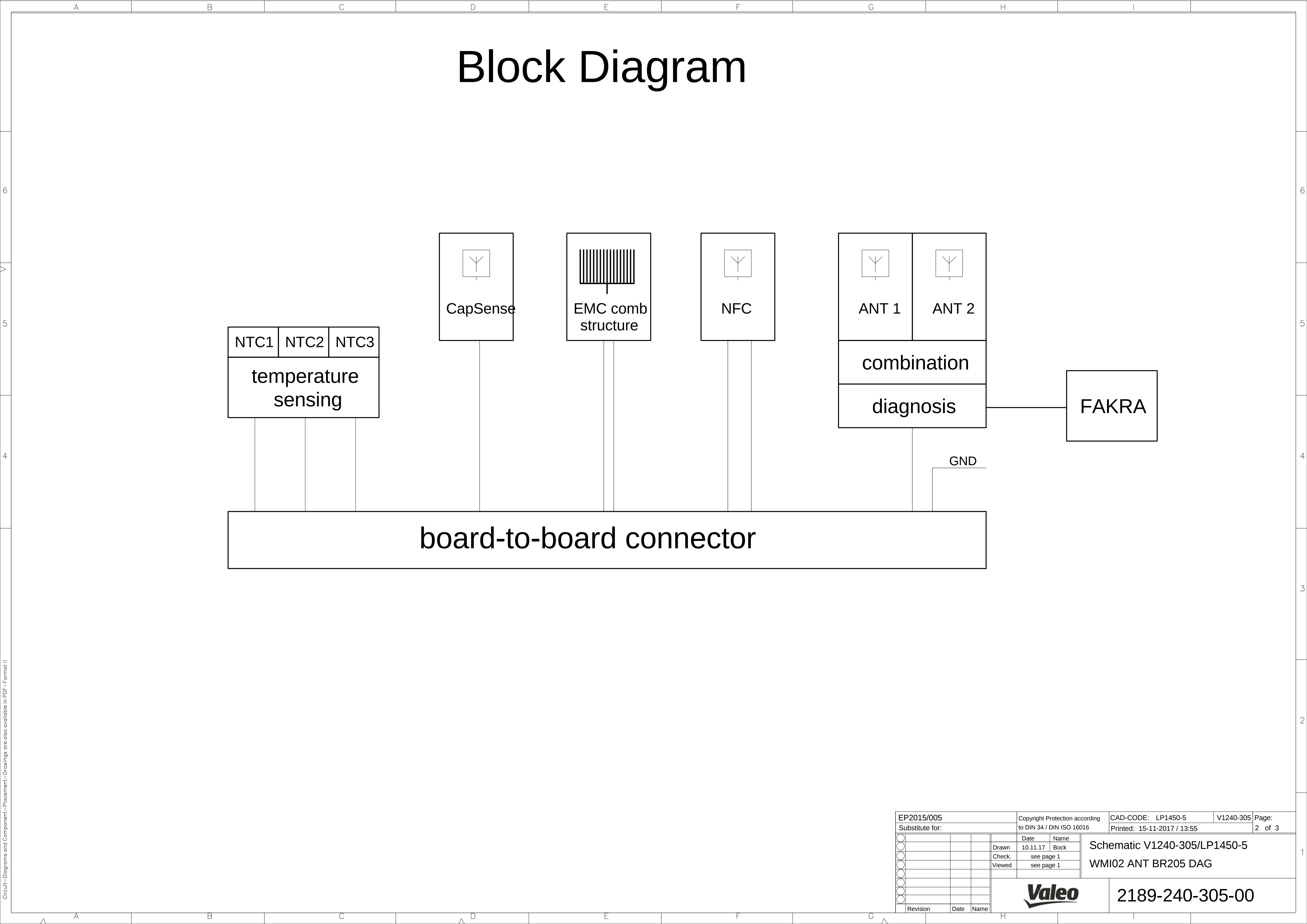
Spark Gap

Bridge

Diff pair

Trace Impedance

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Block Diagram

The diagram illustrates the functional blocks and their interconnections for a vehicle diagnostic system. A central **board-to-board connector** is connected to several modules:

- temperature sensing**: Consists of three sub-blocks labeled **NTC1**, **NTC2**, and **NTC3**.
- CapSense**: A capacitive sensing module.
- EMC comb structure**: An electromagnetic compatibility structure.
- NFC**: Near Field Communication module.
- ANT 1** and **ANT 2**: Two antenna modules.
- diagnosis**: A module that receives input from the antennas and is connected to a **FAKRA** connector.
- GND**: Ground connection point.

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