

Declaration of equivalence

This document describes what is equivalent and what is different between the below mentioned HMI circuit boards. The comparison is done from a radio-certification point of view and the aim is to define which boards that can be certified as a family.

- HMI Type 10
- HMI Type 11
- HMI Type 12
- HMI Type 13

	Bluetooth ® design	PCB	PCBA
HMI Type 10	HQ-BLE-1	582 87 12-01	582 78 33-01
HMI Type 11	HQ-BLE-1	582 87 12-01	590 11 25-01
HMI Type 12	HQ-BLE-1	582 87 12-01	590 11 26-01
HMI Type 13	HQ-BLE-1	590 11 35-01	590 11 34-01

Bluetooth design: The design is a dedicated area on the circuit board which includes a Bluetooth chip from Texas, matching components and the antenna.

PCB: The number on the unassembled board.

PCBA: The PCB together with the components forms the PCBA, i.e. the assembled circuit board.

The **difference** between PCB for HMI Type 13 (590 11 35-01) against HMI Type 10, 11 and 12 (582 87 12-01), is the *form factor* of the two boards. The radio design part is **equivalent**.

The **differences** between PCBA for HMI Type 10 (582 78 33-01), HMI Type 11 (590 11 25-01) and HMI Type 12 (590 11 26-01) are *components* on BOM-level, display and connectors. The PCB and radio design part is **equivalent**.

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