

Wireless Accessory Charging Module (WACM) - Overview

The WACM is a 5 Watt wireless power transmitter designed to energize a secondary coil that may already be equipped in a secondary device (smart phone), or as an added accessory (wireless charging phone sleeve). The WACM supports wireless charging of the Wireless Power Consortium's (WPC) Qi, pronounced "chee".

The WACM is powered at all time node from fused battery and performs network management on HS-CAN3. Wireless charging status is provided as a CAN signal on the HS-CAN3.

The BCM provides a protected switch to battery input to the WACM when an interior passive key search is in progress to disable the wireless charging feature. This is to prevent possible interference with the passive key when placed in close proximity to the WACM during a charge session of a secondary device. A redundant CAN signal is also sent by the BCM in addition to the protected switch to battery input.

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