

**PROCESS CHANGE NOTICE**
 **PRODUCT CHANGE NOTICE**

**MAXIM INTEGRATED** HEREBY ISSUES NOTIFICATION OF CHANGE  
 THAT MAY AFFECT THE FOLLOWING CATEGORIES:

<input type="checkbox"/> DESIGN	<input type="checkbox"/> WAFER FAB	<input type="checkbox"/> ASSEMBLY	<input type="checkbox"/> TEST	<input checked="" type="checkbox"/> ELEC/MECH SPECS
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**AFFECTED PRODUCT:**

Ordering P/N: (See PN listing XLS in PCN ZIP file)

<p><b>CHANGE FROM: -</b>          Devices MAX15004A/B and MAX15005A/B          Pin 2 (ON/OFF Input) Function description:          Connect ON/OFF to IN for always-on operation. To externally program the UVLO threshold of the IN supply, connect a resistive divider between IN, ON/OFF, and SGND. Pull ON/OFF to SGND to disable the controller.</p>	<p><b>CHANGE TO: -</b>          Addition to Pin 2 (ON/OFF Input) Function description:          To guarantee proper startup using MAX15004A/B or MAX15005A/B, ensure IN voltage is &gt; <del>4.5V</del> "6.0V" before asserting ON/OFF signal high, otherwise use MAX15004C/D or MAX15005C/D to ensure proper startup at lower IN voltages.</p>
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**JUSTIFICATION: -**  
 This ERRATA corrects an error in PCN 2024 issued 06MAR2020 in the CHANGE TO: section removing 4.5V and replacing with 6.0V

This change identifies an additional Pin 2 (ON/OFF Input) description due to a circuit design weakness in the bandgap causing premature switchover which results in device latching and erroneously, staying off. Maxim will introduce new part numbers MAX15004C/D or MAX15005C/D to ensure switchover happens after  $V_{preg} > 2V_{in}$  "2V IN" allowing internal circuitry to rise to expected target before switchover executes ensuring proper startup at lower IN voltages.

Customers requiring startup at lower IN voltages with the MAX15004A/B and MAX15005A/B will need to switch to the redesigned device being introduced as part numbers MAX15004C/D or MAX15005C/D (see attachment)

Note: This PCN is for Notification only and is effective immediately.

**TRACEABILITY: Maxim Integrated maintains full traceability by device marking, packaging labels and shipment documents.**

Maxim Integrated's Change Notification System is designed to keep our customer base apprised of major product, manufacturing, or facility improvements.

*Nasser Ali Chaouche*

Nasser AliChaouche / PCN Coordinator

For further information, please contact either of the people listed below.

**Contact your local Maxim Integrated Company Representative** or Nasser AliChaouche, PCN Coordinator  
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