

PCN # 2024

DATE: March 6, 2020

EXPECTED PCN SHIP DATE: March 6, 2020



Quality Assurance  
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San Jose, CA 95134

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PROCESS CHANGE NOTICE  
 PRODUCT CHANGE NOTICE

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

<input checked="" 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>CHANGE FROM: - 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>CHANGE TO: - Addition to Pin 2 (ON/OFF Input) Function description: To guarantee proper startup using MAX15004A/B or MAX15005A/B, ensure IN voltage is &gt; 4.5V 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 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  $V_{preg} > 2V_{in}$  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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