

PCN # 1914A

DATE: March 1, 2019

EXPECTED PCN SHIP DATE: March 1, 2019



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:

DESIGN WAFER FAB ASSEMBLY TEST ELEC/MECH SPECS

AFFECTED PRODUCT:

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

<p>CHANGE FROM: - nanoPower Boost Regulators</p> <p>1. Product (current DieID/DieRev)</p> <p>MAX17220 (CP03A-2C/BYS8)</p> <p>MAX17222 (CP03A-4C/BYT0)</p> <p>MAX17223 (CP03A-1C/BYS7)</p> <p>MAX17224 (CP03A-3C/BYS9)</p> <p>Problem: Part is susceptible to increase in Iq and momentary in-rush current during hot-plug of input voltage > 2.5V with EN high</p> <p>2. Min Limit of EN pin VIL is 300mV</p>	<p>CHANGE TO: -</p> <p>1. Product (new DieID/DieRev)</p> <p>MAX17220 (CP03A-2D/CUJ4)</p> <p>MAX17222 (CP03A-4D/CUJ6)</p> <p>MAX17223 (CP03A-1D/CUJ3)</p> <p>MAX17224 (CP03A-3D/CUJ5)</p> <p>The new die revision eliminates the susceptibility to increase in Iq and in-rush current</p> <p>Min Limit of EN pin VIL is 250mV</p>
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JUSTIFICATION: -

1. This design change will eliminate the susceptibility to the Iq increase and in-rush current described above in application where the part is used to boost from higher voltage batteries with lower impedance, and the desire for the enable input high to be always on. Under these conditions if the battery is hot-plugged, the part could sustain higher Iq or momentary in-rush current with current die revisions.

2. Improve yield on corner lots. There is no impact on EN pin VIL limit for units built with current die.

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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