

PCN # 1852B

DATE: August 21, 2020

EXPECTED PCN SHIP DATE: August 21, 2020



Quality Assurance
160 Rio Robles
San Jose, CA 95134

www.maximintegrated.com

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 checked="" type="checkbox"/> WAFER FAB	<input type="checkbox"/> ASSEMBLY	<input type="checkbox"/> TEST	<input 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: - For MAX20002C/20003C (buck converters) automotive devices</p> <p>1. Current die revision ID at Epson AP47A-3B IC exhibits incorrect oscillator behavior in the Skip mode to PWM mode transition, causing the "no load" Skip mode Supply Current to be higher than expected due to the part unexpectedly waking up.</p> <p>2. Existing source for wafer fabrication at Epson/Sakata/Japan using S18 process technology</p>	<p>CHANGE TO: -</p> <p>1. New die revision ID AP47A-3D (at Epson) Fixed with the new design revision</p> <p>2. Expanding waferfab supply source to Powerchip/Taiwan (Fab101) using same S18 process technology Die revision ID AP47B-3D</p>
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JUSTIFICATION: -

- The design revision change at the current waferfab source Epson ensures the quiescent current is within specification
- Adding Fab101 to expand wafer capacity and ensure supply continuity
Fab101 fab site has been qualified and shipping other products in high volume using S18 process technology since 2010
Fab101 S18 process successfully passed AEC-Q100 qualification (see report attached)

There are no other changes to the form/fit/function of the devices

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
408-601-5660 / pcn.coordinator@maximintegrated.com