

PCN # 1994B

DATE: March 24, 2021

EXPECTED PCN SHIP DATE: March 24, 2021



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: This PCN is a follow-up to PCN 1994 issued 29Sept2020 where only a Fab expansion was announced. With this Addendum PCN, we are announcing a Design revision change.</p> <p>1. MAX16995A or MAX20010A: Current Die Revision at Epson is AP53A-0C with ID register revision number R[3:0] = 0x02</p> <p>2. Existing source for wafer fabrication at Epson/Sakata/Japan using S18 process technology</p>	<p>CHANGE TO: -</p> <p>1. MAX16995C or MAX20010C: New Die Revision at MFN is AP53B-0B and Epson AP53A-0E</p> <p>2. Expanding waferfab supply source to Maxim's Beaverton/Oregon foundry (MFN) using same S18 process</p> <p>Note: MAX16995A or MAX20010A will be replaced with MAX16995C or MAX20010C, respectively. The new MAX16995C and MAX20010C products will have ID register revision number R[3:0] = 0x03</p>
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<p>JUSTIFICATION: -</p> <p>1. The new metal-only die revision removes a potential bug, and is required for manufacturing and supply continuity. A new unique user "ID" register value as defined in the attached Technical Detail presentation will apply. There are no changes to the existing electrical characteristics (EC parameters).</p> <p>2. Adding MFN to expand wafer capacity to ensure supply continuity. MFN fab site has been qualified and producing products using S18 process technology since 2013. MFN S18 process successfully passed AEC-Q100 qualification, see report attached (ref. MFN_S18.1).</p> <p>The Form/Fit/Function of these devices otherwise remain the same.</p>
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TRACEABILITY: Maxim Integrated maintains full traceability by device marking, packaging labels and shipment documents.
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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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