PCN # 1674

DATE: January 12, 2017

EXPECTED PCN SHIP DATE: January 12, 2017

Quality Assurance
160 Rio Robles
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)

CHANGE FROM: Die Revision code: AUF3 fabricated at Maxim's X3 San Jose facility	CHANGE TO: Die Revision Code: BIW2 fabricated at Maxim's Strategic foundry partner Epson in Japan
1. Min Ton 195ns(typ)	1. Min Ton 300ns(typ)
2. No variants	2. MAX17681A variant is added to the datasheet
3. VENR(min), VENR(max)= 1.194V, 1.236V	3. VENR(min), VENR(max)= 1.183V, 1.253V
4. VENF(min), VENF(max)= 1.114V, 1.156V	4. VENF(min), VENF(max)= 1.1V, 1.17V
5. VOUT-HICF (min), VOUT-HICF (typ) = 69.14%, 71.14%	5. VOUT-HICF (min), VOUT-HICF (typ) = 67.86%, 70.5%

JUSTIFICATION: 1. To provide robust blanking for low frequency parasitic ringing in the primary current (specifically in designs with primary to secondary turns-ratio >5)
2. The new variant is added to provide robust short-circuit protection for isolated secondary outputs
3. Based on new characterization
4. Based on new characterization
5. Based on new characterization

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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