

PCN # 1901

DATE: February 14, 2019

EXPECTED PCN SHIP DATE: February 14, 2019



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)

<p>CHANGE FROM: - MAX31875 (I2C Temperature Sensor) DieID/DieRev (DT18A-0B/BRK1)</p> <p>Datasheet revision no. 1 / revision date 7/17 Temperature Range from -20deg.C to +125deg.C</p> <p>EC table for "Temperature Measurement Error" showing under current conditions</p> <p>EC table for SCL/SDA fall time (tF): min/max 20/120 ns</p> <p>EC table for SCL Time Low for Reset of Serial Interface (tTIMEOUT): 20/45 ms (min/max)</p>	<p>CHANGE TO: - New DieID/DieRev (DT18B-0A/BZG4)</p> <p>New datasheet revision release (see attachment) Temperature range -40deg.C to +125deg.C</p> <p>VDD=1.6V to 3.6V: -1.75/+1.75 deg.C (min/max) VDD= 3.3V: -1/+1 deg.C (min.max)</p> <p>SCL/SDA fall time: typ 120 ns</p> <p>tTIMEOUT 14/55 ms (min/max)</p>
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JUSTIFICATION: -
Die revision change to improve temperature accuracy
The updates are to correct typo errors, and to align with targeted production yields.
There are no other changes to the form/fit/function of the device.

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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