PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN Number: PCN 19011

Date Issued: **2/19/2020**

Product(s) Affected:

XRP6658ISTR-F	SP6669AEK-L/TRR3

Date Effective (90 day window): **2/19/2020**

Date Issued +90 days: **5/19/2020**

Means of Distinguishing Changed Devices:

- ☐ Product Mark:
- ☐ Back Mark
- ☒ Date Code
- ☐ Other

Contact: Your local MaxLinear Marketing Representative or

Contact our Customer Support team by creating a Support Ticket at http://www.maxlinear.com/support/createcase

Attachment: ☒ Yes ☐ No

Samples: **Request from MaxLinear Marketing Representatives**

Description and Purpose of Change:

Due to the obsolesence of an old process, both XRP6658 and SP6669 have been transferred to a new modern process. With these changes, key specifications have been greatly improved:

Improvements	XRP6658	SP6669
Old (PMOS/NMOS) **New (PMOS/NMOS)**	0.24Ohm / 0.21Ohm 0.22Ohm / 0.17Ohm	0.24Ohm / 0.24Ohm 0.22Ohm / 0.17Ohm
Operating Current (Old -> New)	N/A	800mA -> 1A

Due to the change in process, there are minor changes to the following specifications:

Changes	XRP6658 (Old → New)	SP6669 (Old → New)
Quisecent Current	15uA -> 30uA	18uA -> 30uA
UVLO Threshold	1.8V -> 2V	
Feedback Current		± 30nA -> ± 100nA

Graphs and waveforms in the datasheet have been improved to show the key performance characteristics.

- ☐ Die Technology
- ☒ Wafer Fabrication
- ☐ Assembly Process
- ☐ Equipment
- ☐ Material
- ☐ Testing
- ☐ Manufacturing Site
- ☒ Data Sheet
- ☐ Yield Enhancement
- ☐ Other:

Datasheets:

SP6669.pdf XRP6658.pdf

Reliability/Qualification Summary: Available upon request

Customer Acknowledgement of Receipt within 30 days of issue. Lack of acknowledgement within 30 days constitutes acceptance of change.

Please fax or email this form to the contact above after completing the following information:

Customer: _____

Name: _____

Title: _____

Date: _____

E-Mail: _____

Phone: _____

Fax: _____

☐ Approval for shipments prior to effective date

Customer Comments (Optional):