## PRODUCT/PROCESS CHANGE NOTICE (PCN)

<table>
<thead>
<tr>
<th>PCN Number:</th>
<th>21052 Added Key Foundry for SP485XX Parts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Issued:</td>
<td>9/8/2021</td>
</tr>
<tr>
<td>Product(s) Affected:</td>
<td>SP485CN-L</td>
</tr>
<tr>
<td></td>
<td>SP485CN-L/TR</td>
</tr>
<tr>
<td>Manufacturing Location Affected:</td>
<td>Key Foundry</td>
</tr>
<tr>
<td>Date Effective (90 day window):</td>
<td>September 8, 2021</td>
</tr>
<tr>
<td>Date Issued +90 days:</td>
<td>December 8, 2021</td>
</tr>
</tbody>
</table>

**Means of Distinguishing Changed Devices:**
- [ ] Product Mark:
- [ ] Back Mark
- [ ] Date Code
- [X] Other: Lot number

**Attachment:** [ ] Yes  [X] No

**Samples:**
- [X] Request from MaxLinear Marketing Representatives

**Description and Purpose of Change:**
MaxLinear has qualified Key Foundry wafer foundry in order to increase production capacity and to facilitate long term support of the product line. The wafer process is 0.18um BCD. The process has been optimized to produce very similar product characteristics as the currently shipping devices from TSMC foundry and will meet existing datasheet specifications.

There are no changes in device reliability.

Note: Users who rely on DC, diode characteristics during ICT testing should take caution certain I/O characteristics may appear changed due to the proprietary I/O structures employed by Key Foundry. These DC / diode characteristic differences are not guaranteed nor required to ensure full design functionality per datasheet. Adjustments at ICT testing may be required to prevent false failures.

**Reliability/Qualification Summary:** Reliability reports available at the end of September.

**Customer Acknowledgement of Receipt**
Customer: ___________________________________
Name: ___________________________________
Title: ___________________________________
Date: ___________________________________
E-Mail: ___________________________________
Phone: ___________________________________
Fax: ___________________________________

[ ] Approval for shipments prior to effective date

Customer Comments (Optional):