

PRODUCT/PROCESS CHANGE NOTICE (PCN)		
PCN Number: PCN 20014 Date Issued: 10/26/2020 Product(s) Affected: SP211ECA-L/TR SP211ECT-L/TR SP211EEA-L/TI	Means of Distinguishing Changed Devices: Product Mark: Back Mark Date Code Lot Number	
Manufacturing Location Affected: Foundry FROM: Silan, China Foundry TO: TSMC Fab 10 Date Effective (90 day window): October 26, 2020 Date Issued +90 days: January 26, 2021), Shanghai	
Contact: Your local MaxLinear Marketing Representative or or contact our Customer Support team by creating a Support S	Attachment: Yes No port Ticket at Samples: Request from MaxLinear Marketing Representatives	
Description and Purpose of Change: MaxLinear has qualified TSMC Fab 10 wafer foundry in Shanghai in order to facilitate long term support of the product line. The wafer process is 0.25um CMOS High Voltage Mixed Signal. The process has been optimized to produce very similar product characteristics as the currently shipping devices from Silan foundry and will meet existing datasheet specifications with the below exceptions. Abs. Max Rx Input voltage range (RIN) changes from ±20V to ±25V RS-232 Output voltage swing changes from Typical = ±7V to ±8.7V RS-232 input Voltage range changes from Min=-15V, Max = +15V to Min = -25V to Max = -+25V Icc no load changes from max = 6mA to 8mA Icc RL = 3kΩ changes from typical = 15mA to 23mA		
There are no changes to assembly location.		
There are no changes in the package BOM.		
Note: Users who rely on DC, diode characteristics during ICT testir caution certain I/O characteristics may appear changed due to the I/O structures employed by TSMC. These DC / diode characteristic are not guaranteed nor required to ensure full design functionality datasheet. Adjustments at ICT testing may be required to prevent	e proprietary differences y per false failures.	
Reliability/Qualification Summary: Reliability reports available upon request.		



Process Change Notification Form Document Number BMS-02-0006 Revision 5.0

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