

PRODUCT/PROCESS CHANGE NOTICE (PCN)				
PCN Number: PCN 20015 Date Issued: 10/26/2020 Product(s) Affected: SP213ECA-L/TR SP213EEA-L/TR		SP213EHCA-L/TR SP213EHEA-L/TR	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, Shanghai Assembly FROM: JCET, China Assembly TO: Greatek, Taiwan Date Effective (90 day window): October 26, 2020 Date Issued +90 days: January 26, 2021				
Contact: Your local MaxLinear Marketing Representative or or contact our Customer Support team by creating a Support Ticket at http://www.maxlinear.com/support/createcase Phone: 1-760-692-0711			Attachment: Yes No 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 $\pm 20V$ to $\pm 25V$ RS-232 Output voltage swing changes from Typical = $\pm 7V$ to $\pm 8.7V$ RS-232 input Voltage range changes from Min=-15V, Max = $\pm 15V$ to Min = $\pm 15V$ to Max = $\pm 15V$			 □ Die Technology □ Wafer Fabrication □ Assembly Process □ Equipment □ Material □ Testing □ Manufacturing Sites □ Data Sheet □ Yield Enhancement □ Other: 	
Note: Users who rely on D caution certain I/O character structures employed by TS guaranteed nor required the Adjustments at ICT testing				
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.	s of issue. Lack of acknowledgement within 30 days constitutes
Please fax or email this form to the contact above afte	r completing the following information:
Customer:	
Name:	
Title:	
Date:	
E-Mail:	
Phone:	
Fax:	
Approval for shipments prior to effective date	
Customer Comments (Optional):	