

Product Change Notice (PCN)

Subject: Data Sheet Specification Change for Listed Intersil ISL3149*E Products

Publication Date: 5/13/2015

Effective Date: 8/13/2015

Revision Description:

Initial Release

Description of Change:

This notice is to inform you that Intersil has changed the maximum limit on the Driver Switching Characteristics.

Reason for Change:

The change aligns the data sheet with the product characteristics and is necessary to maintain product manufacturability in support of customer delivery requirements. Details regarding the change are contained on the following page. The updated data sheet is available on the Intersil web site at:

<http://www.intersil.com/content/dam/Intersil/documents/isl3/isl31490e-91e-92e-93e-95e-96e-98e.pdf>

Product Identification:

There have been no changes to the die/silicon or product itself. There will be no change in the external marking of the packaged parts.

Qualification status: Complete, see attached

Sample availability: 5/5/2015

Device material declaration: Available upon request

Questions or requests pertaining to this change notice, including additional data or samples, must be sent to Intersil within 30 days of the publication date.

For additional information regarding this notice, please contact your regional change coordinator (below)			
Americas: PCN-US@INTERSIL.COM	Europe: PCN-EU@INTERSIL.COM	Japan: PCN-JP@INTERSIL.COM	Asia Pac: PCN-APAC@INTERSIL.COM

Appendix A – Affected Products List (see attached)

Appendix B – Datasheet changes (see attached)

Appendix A: Product List

ISL31490EIBZ	ISL31491EIBZ	ISL31492EIRTZ-T	ISL31493EIUZ
ISL31490EIBZ-T	ISL31491EIBZ-T	ISL31492EIRTZ-T7A	ISL31493EIUZ-T
ISL31490EIBZ-T7A	ISL31491EIBZ-T7A	ISL31492EIRTZ-TR5521	ISL31493EIUZ-T7A
ISL31490EIRTZ	ISL31492EIBZ	ISL31492EIUZ	ISL31495EIBZ
ISL31490EIRTZ-T	ISL31492EIBZ-T	ISL31492EIUZ-T	ISL31495EIBZ-T
ISL31490EIRTZ-T7A	ISL31492EIBZ-T7A	ISL31492EIUZ-T7A	ISL31495EIBZ-T7A
ISL31490EIUZ	ISL31492EIPZ	ISL31493EIBZ	ISL31495EIUZ
ISL31490EIUZ-T	ISL31492EIRTZ	ISL31493EIBZ-T	ISL31495EIUZ-T
ISL31490EIUZ-T7A	ISL31492EIRTZR5521	ISL31493EIBZ-T7A	ISL31495EIUZ-T7A

Appendix B: Datasheet changes

DRIVER SWITCHING CHARACTERISTICS (250kpbs Versions; ISL31490E through ISL31492E)

From:

DRIVER SWITCHING CHARACTERISTICS (250kpbs Versions; ISL31490E through ISL31492E)									
Driver Differential Output Delay	t_{PLH}, t_{PHL}	$R_D = 54\Omega, C_D = 50pF$ (Figure 4)	No CM Load	Full	-	320	450	ns	
			$-25V \leq V_{CM} \leq 25V$	Full	-	-	1000	ns	
Driver Differential Output Skew	t_{SKEW}	$R_D = 54\Omega, C_D = 50pF$ (Figure 4)	No CM Load	Full	-	6	30	ns	
			$-25V \leq V_{CM} \leq 25V$	Full	1-	-	50	ns	
Driver Differential Rise or Fall Time	t_R, t_F	$R_D = 54\Omega, C_D = 50pF$ (Figure 4)	No CM Load	Full	400	650	1200	ns	
			$-25V \leq V_{CM} \leq 25V$	Full	300	-	1200	ns	

To:

DRIVER SWITCHING CHARACTERISTICS (250kpbs Versions; ISL31490E through ISL31492E)									
Driver Differential Output Delay	t_{PLH}, t_{PHL}	$R_D = 54\Omega, C_D = 50pF$ (Figure 7)	No CM Load	Full	-	320	450	ns	
			$-25V \leq V_{CM} \leq 25V$	Full	-	-	1000	ns	
Driver Differential Output Skew	t_{SKEW}	$R_D = 54\Omega, C_D = 50pF$ (Figure 7)	No CM Load	Full	-	6	30	ns	
			$-25V \leq V_{CM} \leq 25V$	Full	1-	-	50	ns	
Driver Differential Rise or Fall Time	t_R, t_F	$R_D = 54\Omega, C_D = 50pF$ (Figure 7)	No CM Load	Full	400	650	1200	ns	
			$-25V \leq V_{CM} \leq 25V$	Full	300	-	1350	ns	

DRIVER SWITCHING CHARACTERISTICS (1Mbps Versions; ISL31493E, ISL31495E)

From:

DRIVER SWITCHING CHARACTERISTICS (1Mbps Versions; ISL31493E, ISL31495E)									
Driver Differential Output Delay	t_{PLH}, t_{PHL}	$R_D = 54\Omega, C_D = 50pF$ (Figure 4)	No CM Load	Full	-	70	125	ns	
			$-25V \leq V_{CM} \leq 25V$	Full	-	-	350	ns	
Driver Differential Output Skew	t_{SKEW}	$R_D = 54\Omega, C_D = 50pF$ (Figure 4)	No CM Load	Full	-	3	15	ns	
			$-25V \leq V_{CM} \leq 25V$ (Note 22)	Full	-	-	25	ns	
Driver Differential Rise or Fall Time	t_R, t_F	$R_D = 54\Omega, C_D = 50pF$ (Figure 4)	No CM Load	Full	70	230	300	ns	
			$-25V \leq V_{CM} \leq 25V$	Full	70	-	400	ns	

To:

DRIVER SWITCHING CHARACTERISTICS (1Mbps Versions; ISL31493E, ISL31495E)									
Driver Differential Output Delay	t_{PLH}, t_{PHL}	$R_D = 54\Omega, C_D = 50pF$ (Figure 7)	No CM Load	Full	-	70	125	ns	
			$-25V \leq V_{CM} \leq 25V$	Full	-	-	350	ns	
Driver Differential Output Skew	t_{SKEW}	$R_D = 54\Omega, C_D = 50pF$ (Figure 7)	No CM Load	Full	-	3	15	ns	
			$-25V \leq V_{CM} \leq 25V$ (Note 22)	Full	-	-	25	ns	
Driver Differential Rise or Fall Time	t_R, t_F	$R_D = 54\Omega, C_D = 50pF$ (Figure 7)	No CM Load	Full	70	230	300	ns	
			$-25V \leq V_{CM} \leq 25V$	Full	70	-	550	ns	