

Product Change Notice (PCN)

Subject: Data Sheet Specification Change for Listed Intersil ISL3249*E Products

Publication Date: 4/21/2015

Effective Date: 7/21/2015

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/isl32490e-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: 4/21/2015

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

ISL32490EIBZ	ISL32492EIBZ-T	ISL32493EIBZ-T7A	ISL32495EIUZ
ISL32490EIBZ-T	ISL32492EIBZ-T7A	ISL32493EIUZ	ISL32495EIUZR5521
ISL32490EIBZ-T7A	ISL32492EIUZ	ISL32493EIUZ-T	ISL32495EIUZ-T
ISL32490EIUZ	ISL32492EIUZ-T	ISL32493EIUZ-T7A	ISL32495EIUZ-T7A
ISL32490EIUZ-T	ISL32492EIUZ-T7A	ISL32495EIBZ	ISL32495EIUZ-TR5521
ISL32490EIUZ-T7A	ISL32493EIBZ	ISL32495EIBZ-T	
ISL32492EIBZ	ISL32493EIBZ-T	ISL32495EIBZ-T7A	

Appendix B: Datasheet changes

DRIVER SWITCHING CHARACTERISTICS (250kbps Versions; ISL32490E, ISL32492E)
From:

Electrical Specifications Test Conditions: $V_{CC} = 4.5V$ to $5.5V$; Unless Otherwise Specified. Typical values are at $V_{CC} = 5V$, $T_A = +25^\circ C$ (Note 6). Boldface limits apply across the operating temperature range, $-40^\circ C$ to $+85^\circ C$. (Continued)

SYMBOL	PARAMETER	TEST CONDITIONS	TEMP (°C)	MIN (Note 14)	TYP	MAX (Note 14)	UNITS	
t_R, t_F	Driver Differential Rise or Fall Time	$R_D = 54\Omega$, $C_D = 50pF$ (Figure 4)	No CM Load	Full	400	650	1200	ns
			$-25V \leq V_{CM} \leq 25V$	Full	300	-	1200	ns

To:

Electrical Specifications $V_{CC} = 4.5V$ to $5.5V$; Unless Otherwise Specified. Typical values are at $V_{CC} = 5V$, $T_A = +25^\circ C$ (Note 6). Boldface limits apply across the operating temperature range, $-40^\circ C$ to $+85^\circ C$. (Continued)

SYMBOL	PARAMETER	TEST CONDITIONS	TEMP (°C)	MIN (Note 14)	TYP	MAX (Note 14)	UNITS	
t_R, t_F	Driver Differential Rise or Fall Time	$R_D = 54\Omega$, $C_D = 50pF$ (Figure 6)	No CM Load	Full	400	650	1200	ns
			$-25V \leq V_{CM} \leq 25V$	Full	300	-	1350	ns

DRIVER SWITCHING CHARACTERISTICS (1Mbps Versions; ISL32493E, ISL32495E)
From:

DRIVER SWITCHING CHARACTERISTICS (1Mbps Versions; ISL32493E, ISL32495E)								
t_{PLH}, t_{PHL}	Driver Differential Output Delay	$R_D = 54\Omega$, $C_D = 50pF$ (Figure 4)	No CM Load	Full	-	70	125	ns
			$-25V \leq V_{CM} \leq 25V$	Full	-	-	350	ns
t_{SKEW}	Driver Differential Output Skew	$R_D = 54\Omega$, $C_D = 50pF$ (Figure 4)	No CM Load	Full	-	4.5	15	ns
			$-25V \leq V_{CM} \leq 25V$ (Note 17)	Full	-	-	25	ns
t_R, t_F	Driver Differential Rise or Fall Time	$R_D = 54\Omega$, $C_D = 50pF$ (Figure 4)	No CM Load	Full	70	170	300	ns
			$-25V \leq V_{CM} \leq 25V$	Full	70	-	400	ns

To:

DRIVER SWITCHING CHARACTERISTICS (1Mbps Versions; ISL32493E, ISL32495E)								
t_{PLH}, t_{PHL}	Driver Differential Output Delay	$R_D = 54\Omega$, $C_D = 50pF$ (Figure 6)	No CM Load	Full	-	70	125	ns
			$-25V \leq V_{CM} \leq 25V$	Full	-	-	350	ns
t_{SKEW}	Driver Differential Output Skew	$R_D = 54\Omega$, $C_D = 50pF$ (Figure 6)	No CM Load	Full	-	4.5	15	ns
			$-25V \leq V_{CM} \leq 25V$ (Note 17)	Full	-	-	25	ns
t_R, t_F	Driver Differential Rise or Fall Time	$R_D = 54\Omega$, $C_D = 50pF$ (Figure 6)	No CM Load	Full	70	170	300	ns
			$-25V \leq V_{CM} \leq 25V$	Full	70	-	550	ns