

Product Change Notice (PCN)

Subject: Electrical Specification Change for Intersil Product ISL21440*

Publication Date: 10/26/2017

Effective Date: 1/24/2018

Revision Description:

Initial Release

Description of Change:

This notice is to inform you of changes to the electrical specifications for the listed ISL21440* products. The changes are :-

1. The comparator V_{OH} limit (from "+V - 0.4V" to "+V - 0.6V") in 3V table (page 5) and 5V table (page 4) of the datasheet. Refer Appendix A for details.
2. The I_{CC} maximum limit (from "5 μ A" to "6.5 μ A") in 5V table (page 3) of the datasheet. Refer Appendix A for details.

Affected product list:

ISL21440IRTZ ISL21440IRTZ-T13 ISL21440IUZ ISL21440IUZ-T13

Reason for Change:

The change aligns the datasheet 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 datasheet is available on the Intersil web site at: [ISL21440 Datasheet](#)

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: Not applicable

Sample availability: 10/26/2017

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 – PCN17046 Datasheet Electrical Specification Updates

From (page 4 of 15) :

Analog Specifications (V+ = +5.0V) V- = GND = 0V unless otherwise specified, T _A = +25°C. Boldface limits apply across the operating temperature range, -40°C to +125°C. (Continued)						
SYMBOL	PARAMETER	TEST CONDITIONS	MIN (Note 11)	TYP (Note 10)	MAX (Note 11)	UNIT
V _{OH}	Output High Voltage	I _O = -10mA	(V+) - 0.4			V

To (page 4 of 15):

Analog Specifications (V+ = +5.0V) V- = GND = 0V unless otherwise specified, T _A = +25°C. Boldface limits apply across the operating temperature range, -40°C to +125°C. (Continued)						
SYMBOL	PARAMETER	TEST CONDITIONS	MIN (Note 11)	TYP (Note 10)	MAX (Note 11)	UNIT
V _{OH}	Output High Voltage	I _O = -10mA	(V+) - 0.6			V

From (page 5 of 15) :

Analog Specifications (V+ = +3.0V) V- = GND = 0V unless otherwise specified, T _A = +25°C. Boldface limits apply across the operating temperature range, -40°C to +125°C. (Continued)						
SYMBOL	PARAMETER	TEST CONDITIONS	MIN (Note 11)	TYP (Note 10)	MAX (Note 11)	UNIT
V _{OH}	Output High Voltage	I _O = -6mA	(V+) - 0.4			V

To (page 5 of 15):

Analog Specifications (V+ = +3.0V) V- = GND = 0V unless otherwise specified, T _A = +25°C. Boldface limits apply across the operating temperature range, -40°C to +125°C. (Continued)						
SYMBOL	PARAMETER	TEST CONDITIONS	MIN (Note 11)	TYP (Note 10)	MAX (Note 11)	UNIT
V _{OH}	Output High Voltage	I _O = -6mA	(V+) - 0.6			V

Appendix A – PCN17046 Datasheet Electrical Specification Updates

From (page 3 of 15) :

Analog Specifications (V+ = +5.0V) V- = GND = 0V unless otherwise specified, T _A = +25°C. Boldface limits apply across the operating temperature range, -40°C to +125°C.						
SYMBOL	PARAMETER	TEST CONDITIONS	MIN (Note 11)	TYP (Note 10)	MAX (Note 11)	UNIT
POWER SUPPLY						
V ₊	Supply Voltage Range	V- = GND	2.0		11.0	V
I _{CC}	Supply Current	IN+ = IN- +80mV, HYST = REF		0.46	0.75	μA
					5	μA

To (page 3 of 15):

Analog Specifications (V+ = +5.0V) V- = GND = 0V unless otherwise specified, T _A = +25°C. Boldface limits apply across the operating temperature range, -40°C to +125°C.						
SYMBOL	PARAMETER	TEST CONDITIONS	MIN (Note 11)	TYP (Note 10)	MAX (Note 11)	UNIT
POWER SUPPLY						
V ₊	Supply Voltage Range	V- = GND	2.0		11.0	V
I _{CC}	Supply Current	IN+ = IN- +80mV, HYST = REF		0.46	0.75	μA
					6.5	μA