

Product Change Notice (PCN)

Subject: Datasheet specification change for Listed Intersil ISL68124* and ISL68134* Products

Publication Date: 7/7/2017

Effective Date: 10/5/2017

Revision Description:

Initial Release

Description of Change:

This notice is to inform you that Intersil has updated ISL68124* and ISL68134* datasheet. Details regarding the change are contained on the following page.

Product List

ISL68124IRAZ	ISL68134IRAZ
ISL68124IRAZ-T	ISL68134IRAZ-T
ISL68124IRAZ-T7A	ISL68134IRAZ-T7A

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. The product datasheet is available on the Intersil website at : -

<http://www.intersil.com/content/dam/intersil/documents/isl6/isl68124.pdf>

<http://www.intersil.com/content/dam/intersil/documents/isl6/isl68134.pdf>

Impact on fit, form, function, quality & reliability:

The change will have no impact on the form, fit, function, quality, reliability and environmental compliance of the devices.

Product Identification:

Product affected by this change is identifiable via Intersil's internal traceability system.

Qualification status: Completed, see attached

Sample availability: 7/7/2017

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 – ISL68124* Data sheet change (see attached)

From (page 9 of 46) :

Electrical Specifications Recommended operating conditions, $V_{CC} = 3.3V$, unless otherwise specified. Boldface limits apply across the operating temperature range $-40^{\circ}C$ to $+85^{\circ}C$.					
PARAMETER	TEST CONDITIONS	MIN (Note 7)	TYP	MAX (Note 7)	UNIT
V_{CC} SUPPLY CURRENT					
Nominal Supply Current	$V_{CC} = 3.3VDC$; $EN1/2 = V_{IH}$, $f_{SW} = 400kHz$		63		mA
Shutdown Supply Current	$V_{CC} = 3.3VDC$; $EN1/2 = 0V$, no switching		11.5		mA
VCCS LDO SUPPLY					
Output Voltage		1.20	1.25	1.30	V
Maximum Current Capability	Excluding internal load	50			mA
POWER-ON RESET AND INPUT VOLTAGE LOCKOUT					
V_{CC} Rising POR Threshold			2.7	2.9	V
V_{CC} Falling POR Threshold		1.0			V
Enable (EN0 and EN1) Input High Level			2.3		V

To (page 9 of 46) :

Electrical Specifications Recommended operating conditions, $V_{CC} = 3.3V$, unless otherwise specified. Boldface limits apply across the operating temperature range $-40^{\circ}C$ to $+85^{\circ}C$.					
PARAMETER	TEST CONDITIONS	MIN (Note 7)	TYP	MAX (Note 7)	UNIT
V_{CC} SUPPLY CURRENT					
Nominal Supply Current	$V_{CC} = 3.3VDC$; $EN1/2 = V_{IH}$, $f_{SW} = 400kHz$		63		mA
Shutdown Supply Current	$V_{CC} = 3.3VDC$; $EN1/2 = 0V$, no switching		11.5		mA
VCCS LDO SUPPLY					
Output Voltage		1.20	1.25	1.30	V
Maximum Current Capability	Excluding internal load	50			mA
POWER-ON RESET AND INPUT VOLTAGE LOCKOUT					
V_{CC} Rising POR Threshold			2.7	2.9	V
V_{CC} Falling POR Threshold		1.0			V
Enable (EN0 and EN1) Input High Level		2.55			V
Enable (EN0 and EN1) Input Low Level				0.8	V

Appendix A – ISL68124* Data sheet change (see attached)

From (page 10 of 46) :

SMBus/PMBus					
SALERT, SDA Output Low Level	$I_{OUT} = 4mA$			0.4	V
SCL, SDA Input High/Low Threshold			1.25		V
SCL, SDA Input Hysteresis			2		mV
SCL Frequency Range		0.05		2	MHz

To (page 10 of 46) :

SMBus/PMBus					
SALERT, SDA Output Low Level	$I_{OUT} = 4mA$			0.4	V
SCL, SDA Input High Level			1.55		V
SCL, SDA Input Low Level				0.8	V
SCL, SDA Input Hysteresis			2		mV
SCL Frequency Range		0.05		2	MHz

Appendix B – ISL68134* Data sheet change (see attached)

From (page 9 of 50) :

Electrical Specifications Recommended operating conditions, $V_{CC} = 3.3V$, unless otherwise specified. Boldface limits apply across the operating temperature range -40 °C to +85 °C.					
PARAMETER	TEST CONDITIONS	MIN (Note 7)	TYP	MAX (Note 7)	UNIT
V_{CC} SUPPLY CURRENT					
Nominal Supply Current	$V_{CC} = 3.3VDC$; $EN1/2 = V_{IH}$, $f_{SW} = 400kHz$		63		mA
Shutdown Supply Current	$V_{CC} = 3.3VDC$; $EN1/2 = 0V$, no switching		11.5		mA
VCCS LDO SUPPLY					
Output Voltage		1.20	1.25	1.30	V
Maximum Current Capability	Excluding internal load	50			mA
POWER-ON RESET AND INPUT VOLTAGE LOCKOUT					
V_{CC} Rising POR Threshold			2.7	2.9	V
V_{CC} Falling POR Threshold		1.0			V
Enable (EN0 and EN1) Input High Level			2.3		V

To (page 9 of 50) :

Electrical Specifications Recommended operating conditions, $V_{CC} = 3.3V$, unless otherwise specified. Boldface limits apply across the operating temperature range -40 °C to +85 °C.					
PARAMETER	TEST CONDITIONS	MIN (Note 7)	TYP	MAX (Note 7)	UNIT
V_{CC} SUPPLY CURRENT					
Nominal Supply Current	$V_{CC} = 3.3VDC$; $EN1/2 = V_{IH}$, $f_{SW} = 400kHz$		63		mA
Shutdown Supply Current	$V_{CC} = 3.3VDC$; $EN1/2 = 0V$, no switching		11.5		mA
VCCS LDO SUPPLY					
Output Voltage		1.20	1.25	1.30	V
Maximum Current Capability	Excluding internal load	50			mA
POWER-ON RESET AND INPUT VOLTAGE LOCKOUT					
V_{CC} Rising POR Threshold			2.7	2.9	V
V_{CC} Falling POR Threshold		1.0			V
Enable (EN0 and EN1) Input High Level		2.55			V
Enable (EN0 and EN1) Input Low Level				0.8	V

Appendix B – ISL68134* Data sheet change (see attached)

From (page 11 of 50) :

Electrical Specifications Recommended operating conditions, $V_{CC} = 3.3V$, unless otherwise specified. **Boldface limits apply across the operating temperature range -40 °C to +85 °C. (Continued)**

PARAMETER	TEST CONDITIONS	MIN (Note 7)	TYP	MAX (Note 7)	UNIT
AVS SDA, Output High Level		0.8 * V_{DDIO}			V
AVS SDA, Output Low Level				0.2 * V_{DDIO}	V
AVS CLK Frequency Range		5		50	MHz
SMBus/PMBus					
SALERT, SDA Output Low Level	$I_{OUT} = 4mA$			0.4	V
SCL, SDA Input High/Low Threshold			1.25		V
SCL, SDA Input Hysteresis			2		mV
SCL Frequency Range		0.05		2.00	MHz

To (page 11 of 50) :

Electrical Specifications Recommended operating conditions, $V_{CC} = 3.3V$, unless otherwise specified. **Boldface limits apply across the operating temperature range -40 °C to +85 °C. (Continued)**

PARAMETER	TEST CONDITIONS	MIN (Note 7)	TYP	MAX (Note 7)	UNIT
AVS SDA, Output High Level		0.8 * V_{DDIO}			V
AVS SDA, Output Low Level				0.2 * V_{DDIO}	V
AVS CLK Frequency Range		5		50	MHz
SMBus/PMBus					
SALERT, SDA Output Low Level	$I_{OUT} = 4mA$			0.4	V
SCL, SDA Input High Level		1.55			V
SCL, SDA Input Low Level				0.8	V
SCL, SDA Input Hysteresis			2		mV
SCL Frequency Range		0.05		2.00	MHz