

Product Advisory Notice (PA)

Subject: Datasheet specification change for Listed Intersil ISL99140* Products

Publication Date: 7/27/2017

Effective Date: 7/27/2017

Revision Description:

Initial Release

Description of Change:

This notice is to inform you that Intersil has updated ISL99140* datasheet. The updates include changes to the following : -

#	Change details	From	To	Unit
1	Continuous Current	Not Available	40	A
2	Thermal Resistance - Junction to Ambient (θ_{JA})	50.0	14.5	°C/W
3	Input Supply Voltage, V_{IN}	4.5-18.0	0-20	V

Product List

ISL99140IRZ-T
ISL99140IRZ-TS2568

Reason for Change:

The correction to the datasheet aligns the documentation with the product characteristics. Details regarding the change are contained on the following page. The product datasheet is available on the Intersil web site at:

<http://www.intersil.com/content/dam/Intersil/documents/isl9/isl99140.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: Not Applicable

Sample availability: 7/27/2017

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 - Affected Products List (see attached)

From (page 6 of 14)

Absolute Maximum Ratings		Thermal Information	
VIN	-0.3V to 30V	Thermal Resistance	θ_{JA} (°C/W) θ_{JC} (°C/W)
Supply Voltage (VCC)	-0.3V to 7V	40 Ld 6x6 QFN Package (Notes 4, 5)	50 5
I/O Voltage (V_{EN} , V_{PWM} , V_{SMOD} , V_{THDN})	-0.3V to VCC + 0.3V	Maximum Junction Temperature (Plastic Package)	+150°C
BOOT Voltage ($V_{BOOT-GND}$)	-0.3V to 25V (DC) or 36V (<200ns)	Maximum Storage Temperature Range	-65°C to +150°C
BOOT To PHASE Voltage ($V_{BOOT-PHASE}$)	-0.3V to 7V (DC)	Pb-Free Reflow Profile	see IB493
	-0.3V to 9V (<10ns)	Recommended Operating Conditions	
PHASE Voltage	(GND - 0.3V) to 30V	Ambient Temperature Range	-40°C to +85°C
	(GND - 10V) (<20ns Pulse Width, 10μJ)	Maximum Operating Junction Temperature	+125°C
		Supply Voltage, VCC, PVCC	5V ±5%
		Input Supply Voltage, VIN	4.5V to 18V

To (page 7 of 15)

Absolute Maximum Ratings		Thermal Information	
Continuous Current (Notes 8)	40A	Thermal Resistance	θ_{JA} (°C/W) θ_{JC} (°C/W)
VIN	-0.3V to 30V	40 Ld 6x6 QFN Package (Notes 4, 5, 7)	14.5 5
Supply Voltage (VCC)	-0.3V to 7V	Maximum Junction Temperature (Plastic Package)	+150°C
I/O Voltage (V_{EN} , V_{PWM} , V_{SMOD} , V_{THDN})	-0.3V to VCC + 0.3V	Maximum Storage Temperature Range	-65°C to +150°C
BOOT Voltage ($V_{BOOT-GND}$)	-0.3V to 25V (DC) or 36V (<200ns)	Pb-Free Reflow Profile	see IB493
BOOT To PHASE Voltage ($V_{BOOT-PHASE}$)	-0.3V to 7V (DC)	Recommended Operating Conditions	
	-0.3V to 9V (<10ns)	Ambient Temperature Range	-40°C to +85°C
PHASE Voltage	(GND - 0.3V) to 30V	Maximum Operating Junction Temperature	+125°C
	(GND - 10V) (<20ns Pulse Width, 10μJ)	Supply Voltage, VCC, PVCC	5V ±5%
		Input Supply Voltage, VIN (Notes 9)	0V to 20V