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)

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Absolute Maximum Ratings

VIN ..... -0.3V to 30V
Supply Voltage (VCC) ..... -0.3V to 7V
I/O Voltage (V_{EN}, V_{PWM}, V_{SMOD}, V_{THDN}) ..... -0.3V to VCC + 0.3V
BOOT Voltage ($V_{BOOT-GND}$) ..... -0.3V to 25V (DC) or 36V (<200ns)
BOOT To PHASE Voltage ($V_{BOOT-PHASE}$) ..... -0.3V to 7V (DC)
-0.3V to 9V (<10ns)
PHASE Voltage ..... (GND - 0.3V) to 30V
(GND - 10V) (<20ns Pulse Width, 10µJ)

Thermal Information

Thermal Resistance	θ_{JA} (°C/W)	θ_{JC} (°C/W)
40 Ld 6x6 QFN Package (Notes 4, 5)	50	5

Maximum Junction Temperature (Plastic Package) ..... +150°C
Maximum Storage Temperature Range ..... -65°C to +150°C
Pb-Free Reflow Profile ..... see TB493

Recommended Operating Conditions

Ambient Temperature Range ..... -40°C to +85°C
Maximum Operating Junction Temperature ..... +125°C
Supply Voltage, VCC, PVCC ..... 5V ±5%
Input Supply Voltage, VIN ..... 4.5V to 18V

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Absolute Maximum Ratings

Continuous Current (Notes 8) 40A
VIN ..... -0.3V to 30V
Supply Voltage (VCC) ..... -0.3V to 7V
I/O Voltage (V_{EN}, V_{PWM}, V_{SMOD}, V_{THDN}) ..... -0.3V to VCC + 0.3V
BOOT Voltage ($V_{BOOT-GND}$) ..... -0.3V to 25V (DC) or 36V (<200ns)
BOOT To PHASE Voltage ($V_{BOOT-PHASE}$) ..... -0.3V to 7V (DC)
-0.3V to 9V (<10ns)
PHASE Voltage ..... (GND - 0.3V) to 30V
(GND - 10V) (<20ns Pulse Width, 10µJ)

Thermal Information

Thermal Resistance	θ_{JA} (°C/W)	θ_{JC} (°C/W)
40 Ld 6x6 QFN Package (Notes 4, 5, 7)	14.5	5

Maximum Junction Temperature (Plastic Package) ..... +150°C
Maximum Storage Temperature Range ..... -65°C to +150°C
Pb-Free Reflow Profile ..... see TB493

Recommended Operating Conditions

Ambient Temperature Range ..... -40°C to +85°C
Maximum Operating Junction Temperature ..... +125°C
Supply Voltage, VCC, PVCC ..... 5V ±5%
Input Supply Voltage, V_{IN} (Notes 9) ..... 0V to 20V