Product Change Notice (PCN)

Subject: Datasheet specification change for Listed Intersil ZL9101M* and ZL9117M* Products
Publication Date: 7/7/2017
Effective Date: 7/7/2017

Revision Description:
Initial Release

Description of Change:
This notice is to inform you that Intersil has changed ZL9101M* and ZL9117M* electrical specification range of Iout_AVG_OC_FAULT_LIMIT from "-100A to 100A" to "-100A to 25A".

Product List

ZL9101MAIRZ	ZL9117MAIRZ
ZL9101MAIRZ-T	ZL9117MAIRZ-T
ZL9101MAIRZ-TS2490	ZL9117MAIRZ-TS2490
ZL9101MBIRZ	ZL9117MBIRZ
ZL9101MBIRZ-T	ZL9117MBIRZ-T
ZL9101MIRZ	ZL9117MIRZ
ZL9101MIRZ-T	ZL9117MIRZ-T

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 is contained on the following page. The product datasheet is available on the Intersil web site at : -

http://www.intersil.com/content/dam/Intersil/documents/zl91/zl9101m.pdf
http://www.intersil.com/content/dam/Intersil/documents/zl91/zl9117m.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: 7/7/2017
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 – ZL9101M Data sheet change (see attached)

From (page 52 of 62) :

IOUT_AVG_OC_FAULT_LIMIT (E7h)

Definition: Sets the I_{OUT} average overcurrent fault threshold. For down-slope sensing, this corresponds to the average of all the current samples taken during the (1-D) time interval, excluding the Current Sense Blanking time (which occurs at the beginning of the 1-D interval). For up-slope sensing, this corresponds to the average of all the current samples taken during the D time interval, excluding the Current Sense Blanking time (which occurs at the beginning of the D interval). This feature shares the OC fault bit operation (in STATUS_IOUT) and OC fault response with IOUT_ OC_FAULT_LIMIT.

Data Length in Bytes: 2

Data Format: L11

Type: R/W Word

Default Value: DA80h (20A)

Units: A

Range: -100A to 100A

To (page 53 of 63) :

IOUT_AVG_OC_FAULT_LIMIT (E7h)

Definition: Sets the I_{OUT} average overcurrent fault threshold. For down-slope sensing, this corresponds to the average of all the current samples taken during the (1-D) time interval, excluding the Current Sense Blanking time (which occurs at the beginning of the 1-D interval). For up-slope sensing, this corresponds to the average of all the current samples taken during the D time interval, excluding the Current Sense Blanking time (which occurs at the beginning of the D interval). This feature shares the OC fault bit operation (in STATUS_IOUT) and OC fault response with IOUT_ OC_FAULT_LIMIT.

Data Length in Bytes: 2

Data Format: L11

Type: R/W Word

Default Value: DA80h (20A)

Units: A

Range: -100A to 25A

Appendix B – ZL9117M Data sheet change (see attached)

From (page 51 of 60) :

IOUT_AVG_OC_FAULT_LIMIT (E7h)

Definition: Sets the IOUT average overcurrent fault threshold. For down-slope sensing, this corresponds to the average of all the current samples taken during the (1-D) time interval, excluding the Current Sense Blanking time (which occurs at the beginning of the 1-D interval). For up-slope sensing, this corresponds to the average of all the current samples taken during the D time interval, excluding the Current Sense Blanking time (which occurs at the beginning of the D interval). This feature shares the OC fault bit operation (in STATUS_IOUT) and OC fault response with IOUT_ OC_FAULT_LIMIT.

Data Length in Bytes: 2

Data Format: L11

Type: R/W Word

Default Value: DB20h (25A)

Units: A

Range: -100A to 100A

To (page 53 of 63) :

IOUT_AVG_OC_FAULT_LIMIT (E7h)

Definition: Sets the IOUT average overcurrent fault threshold. For down-slope sensing, this corresponds to the average of all the current samples taken during the (1-D) time interval, excluding the Current Sense Blanking time (which occurs at the beginning of the 1-D interval). For up-slope sensing, this corresponds to the average of all the current samples taken during the D time interval, excluding the Current Sense Blanking time (which occurs at the beginning of the D interval). This feature shares the OC fault bit operation (in STATUS_IOUT) and OC fault response with IOUT_ OC_FAULT_LIMIT.

Data Length in Bytes: 2

Data Format: L11

Type: R/W Word

Default Value: DB20h (25A)

Units: A

Range: -100A to 25A