PRODUCT ADVISORY

Data Sheet Specification Change for Intersil Product ISL95833*

Refer to:
PA12018

Date: May 14, 2012

May 14, 2012

To: Our Valued Intersil Customer

Subject: **Data Sheet Specification Change for Intersil Products ISL95833***

This advisory is to inform you that Intersil has changed the data sheet specification for the listed ISL95833* products. The changes affect the Battery Voltage range in the *Recommended Operating Conditions* section, maximum limit for parameter VIN Power-On-Reset Threshold in the *Electrical Specifications* table, and the resistor values in the RCOMP and RCOMPG programming tables in the *Programming Resistors* section. Details regarding the changes are contained on the following pages. The updated data sheet is available upon request.

Products affected:

 ISL95833HRTZ   ISL95833HRTZ-T   ISL95833HRTZ-TS2568   ISL95833IRTZ   ISL95833IRTZ-T

There have been no changes made to the die/silicon or device itself. There will be no change in external marking of the packaged parts.

Intersil will take all necessary actions to conform to agreed upon customer requirements and to ensure the continued high quality and reliability of Intersil products being supplied. Customers may expect to continue receiving product processed to the same established conditions and systems used for manufacturing of material supplied today.

If you have concerns with this advisory, Intersil must hear from you promptly. Please contact the nearest Intersil Sales Office or call the Intersil Corporate line at 1-888-468-3774, in the United States, or 1-321-724-7143 outside of the United States.

Regards,

Jon Brewster

Jon Brewster
Intersil Corporation   PA12018

CC: J. Touvell   D. Grener   J. Wei

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PA12018 – Data Sheet Updates

- **Recommended Operating Conditions (Page 7):**

	Current Range	New Range
Battery Voltage	+4.5V to +25V	+4.75V to +25V

- **Electrical Specifications Table (Page 7):**

Parameter	Symbol	Current Limit			New Limit			Units
		Min	Typ	Max	Min	Typ	Max	
VIN Power-On-Reset Threshold	VINPOR	-	4.4	4.75	-	4.4	4.7	V

- **Programming Resistors Section – Table 7 RCOMP (Page 27):**

From:　　　　　　　　　　　　　　　　　TO:

TABLE 7. RCOMP PROGRAMMING TABLE

RCOMP (kΩ) MIN	TYP	MAX	V_{BOOT} (V)	VR1 ICCMAX (A)
0	3.24		0	99
	5.76		0	94
	9.31		0	80
	13.3		0	70
	17.4		0	60
	21		0	53
	24.9		0	48
	28.7		0	43
	33.2		0	38
	42.2		0	33
	49.9		0	24
	57.6		0	18
	64.9		1.1	18
	73.2		1.1	24
	80.6		1.1	33
	90.9		1.1	38
	102		1.1	43
	113		1.1	48
	124		1.1	53
	137		1.1	60
	154		1.1	70
	169		1.1	80
	187		1.1	94
	274	open	1.1	99

TABLE 7. RCOMP PROGRAMMING TABLE

RCOMP (kΩ) MIN	TYP	MAX	V_{BOOT} (V)	VR1 ICCMAX (A)
2.7	2.85	3.0	0	99
5.0	5.6	6.2	0	94
8.4	9.4	10.4	0	80
12.0	13.2	14.4	0	70
15.8	17.0	18.2	0	60
19.6	20.8	22.0	0	53
23.4	24.6	25.8	0	48
27.2	28.4	29.6	0	43
31.2	33.7	36.1	0	38
38.8	41.3	43.7	0	33
46.4	48.9	51.3	0	24
54.0	56.5	58.9	0	18
62.1	64.1	66.0	1.1	18
69.5	71.7	73.8	1.1	24
76.9	79.3	81.7	1.1	33
86.2	88.9	91.6	1.1	38
97.3	100.3	103.3	1.1	43
108.3	111.7	115.1	1.1	48
119.5	123.2	126.8	1.1	53
132.5	136.6	140.6	1.1	60
147.2	151.8	156.3	1.1	70
162.0	167.0	172.0	1.1	80
178.7	184.2	189.7	1.1	94
210.1	216.6	open	1.1	99

- **Programming Resistors Section – Table 8 RCOMPG (Page 27):**

From: **TO:**

TABLE 8. RCOMPG PROGRAMMING TABLE

RCOMPG (kΩ)			SWITCHING FREQUENCY (kHz)	VR2 ICCMAX (A)
MIN	TYP	MAX		
0	3.24		450	70
	5.76		450	57
	9.31		450	45
	13.3		450	33
	17.4		450	24
	21		450	18
	24.9		400	18
	28.7		400	24
	33.2		400	33
	42.2		400	45
	49.9		400	57
	57.6		400	70
	64.9		350	70
	73.2		350	57
	80.6		350	45
	90.9		350	33
	102		350	24
	113		350	18
	124		300	18
	137		300	24
	154		300	33
	169		300	45
	187		300	57
	274	open	300	70

TABLE 8. RCOMPG PROGRAMMING TABLE

RCOMPG (kΩ)			SWITCHING FREQUENCY (kHz)	VR2 ICCMAX (A)
MIN	TYP	MAX		
2.7	2.85	3.0	450	70
5.0	5.6	6.2	450	57
8.4	9.4	10.4	450	45
12.0	13.2	14.4	450	33
15.8	17.0	18.2	450	24
19.6	20.8	22.0	450	18
23.4	24.6	25.8	400	18
27.2	28.4	29.6	400	24
31.2	33.7	36.1	400	33
38.8	41.3	43.7	400	45
46.4	48.9	51.3	400	57
54.0	56.5	58.9	400	70
62.1	64.1	66.0	350	70
69.5	71.7	73.8	350	57
76.9	79.3	81.7	350	45
86.2	88.9	91.6	350	33
97.3	100.3	103.3	350	24
108.3	111.7	115.1	350	18
119.5	123.2	126.8	300	18
132.5	136.6	140.6	300	24
147.2	151.8	156.3	300	33
162.0	167.0	172.0	300	45
178.7	184.2	189.7	300	57
210.1	216.6	open	300	70