

Product Advisory (PA)

Subject: DA1470x final Datasheet parameter changes

Publication Date: 11/24/2022

Effective Date: 11/24/2022

Revision Description:

N/A

Description of Change:

Some Final Datasheet parameter value changes necessitating Revision 3.2, detailed in Appendix

Affected Product List:

DA14701-00000HZ2
DA14705-00000HZ2
DA14706-00000HZ2
DA14708-00000HZ2

Reason for Change:

Further characterization & production data revealed that for some parameters there is a need to revise certain values given in the Datasheet Revision 3.1 in order to better represent all devices in future production.

Impact on Fit, Form, Function, Quality & Reliability:

The form, fit and function of the device will not be impacted by the change.

Product Identification: N/A

Qualification Status: N/A

Sample Availability Date: N/A

Device Material Declaration: N/A

Appendix 1: DA1470x Final Datasheet parameter changes

	Rev 3.1	Rev 3.2	
sec 4.2 table 4: Recommended Operating Conditions			
parameter	max	max	unit
V _{BUS}	5.5	5.75	V
sec 4.3 table 5: DC Characteristics			
parameter	typ	typ	unit
I _{BAT_RUN_32MHz}	2.53	2.7	mA
I _{BAT_DP_SLP}	14.8	16.9	μA
I _{BAT_EX_SLP_caches_256K}	19.5	19.7	μA
I _{BAT_EX_SLP_caches_512K}	22.2	22.5	μA
I _{BAT_EX_SLP_caches_1MB}	27.4	27.9	μA
I _{BAT_EX_SLP_caches_1.5MB}	32.4	33.2	μA
I _{BAT_SensorNode}	1.85	2.05	mA
I _{BAT_BLE_RX_32M}	4.48	4.6	mA
sec 4.7 table 10: Brown-out Detector - DC Characteristics			
parameter	min	min	unit
V _{TH_VBUS_OK_LH}	4	3.98	V
sec 4.9 table 18: Application ADC Characteristics			
parameter	min	min	unit
SINAD _{SE}	67	66	dB
SNR _{SE}	68	66	dB
SFDR _{SE}	78	70	dB
parameter	max	max	unit
THD _{SE}	-75	-72	dB
sec 4.10 table 20: DC-DC Converter - DC Characteristics			
parameter	max	max	unit
V _{O_1V2_1}	0.95	1	V
sec 4.13 table 28: Vsys Generator Characteristics			
parameter	min / max	min / max	unit
I _{LIM_acc_abs}	-15 / +15	-20 / +20	mA
I _{LIM_acc_rel}	-15 / +15	-20 / +20	mA

For additional information regarding this notice, please contact your Renesas sales representative.