ON Semiconductor®

Product Bulletin

Document #:PB23896X
Issue Date:19 Mar 2021

Title of Change:	Datasheet update for LC823455XATBG
Effective date:	19 Mar 2021
Contact information:	Contact your local ON Semiconductor Sales Office or Riichi.Furukawa@onsemi.com
Type of notification:	This Product Bulletin is for notification purposes only. ON Semiconductor will proceed with implementation of this change upon publication of this Product Bulletin.
Change Category:	Datasheet
Change Sub-Category(s):	Datasheet/Product Doc change

Sites Affected:

ON Semiconductor Sites	**External Foundry/Subcon Sites**
None	None

Description and Purpose:

This PB has been issued to update the LC823455XATBG datasheet.

The change will not impact form, fit, or function of product(s).

Correct value or words in the datasheet are as follows.

(A) Keyint pulldown resistor

Table 21.

Item	Symbol	Pin	Condition	Min	Typ	Max	Unit
Pull-down resistor	Rdn	(19)(21)		30		150	kΩ

(19) EXD0(GPIO46), EXD1(GPIO47), EXD2(GPIO48), EXD3(GPIO49), EXD4(GPIO4A), EXD5(GPIO4B), EXD6(GPIO4C), EXD7(GPIO4D), EXD8(GPIO4E), EXD9(GPIO4F), EXD10(GPIO50), EXD11(GPIO51), EXD12(GPIO52), EXD13(GPIO53), EXD14(GPIO54), EXD15(GPIO55), EXA1(GPIO32), EXA2(GPIO33), EXA3(GPIO34), EXA4(GPIO35), EXA5(GPIO36), EXA6(GPIO37), EXA7(GPIO38), EXA8(GPIO39), EXA9(GPIO3A), EXA10(GPIO3B), EXA11(GPIO3C), EXA12(GPIO3D), EXA13(GPIO3E), EXA14(GPIO3F), EXA15(GPIO40), EXA16(GPIO41), EXA17(GPIO42), EXA18(GPIO43), EXA19(GPIO44), EXA20(GPIO45), NRD(GPIO17), NLBEXA0(GPIO16), NHBNWRH(GPIO31), NWRENWRL(GPIO30), SDRDATA0, SDRDATA1, SDRDATA2, SDRDATA3, SDRDATA4, SDRDATA5, SDRDATA6, SDRDATA7, SDRDATA8, SDRDATA9, SDRDATA10, SDRDATA11, SDRDATA12, SDRDATA13, SDRDATA14, SDRDATA15, Keyint0, Keyint1, Keyint2

Table 21.

Item	Symbol	Pin	Condition	Min	Typ	Max	Unit
Pull-down resistor	Rdn	(26)	VddRTC = 0.765 to 0.90 V	180		720	kΩ
			VddRTC = 0.90 to 1.155 V	93		280	kΩ
		(19)(21)		30		150	kΩ

(19) EXD0(GPIO46), EXD1(GPIO47), EXD2(GPIO48), EXD3(GPIO49), EXD4(GPIO4A), EXD5(GPIO4B), EXD6(GPIO4C), EXD7(GPIO4D), EXD8(GPIO4E), EXD9(GPIO4F), EXD10(GPIO50), EXD11(GPIO51), EXD12(GPIO52), EXD13(GPIO53), EXD14(GPIO54), EXD15(GPIO55), EXA1(GPIO32), EXA2(GPIO33), EXA3(GPIO34), EXA4(GPIO35), EXA5(GPIO36), EXA6(GPIO37), EXA7(GPIO38), EXA8(GPIO39), EXA9(GPIO3A), EXA10(GPIO3B), EXA11(GPIO3C), EXA12(GPIO3D), EXA13(GPIO3E), EXA14(GPIO3F), EXA15(GPIO40), EXA16(GPIO41), EXA17(GPIO42), EXA18(GPIO43), EXA19(GPIO44), EXA20(GPIO45), NRD(GPIO17), NLBEXA0(GPIO16), NHBNWRH(GPIO31), NWRENWRL(GPIO30), SDRDATA0, SDRDATA1, SDRDATA2, SDRDATA3, SDRDATA4, SDRDATA5, SDRDATA6, SDRDATA7, SDRDATA8, SDRDATA9, SDRDATA10, SDRDATA11, SDRDATA12, SDRDATA13, SDRDATA14, SDRDATA15

(26) Keyint0, Keyint1, Keyint2

(B) Input leak current condition and pin

Table 21.

Item	Symbol	Pin	Condition
Input leak current	I_{IL}	(1)(2)(3) (4)(5)(6) (7)(8)(9)	VI = Vdd* = Vss

Table 22.

Item	Symbol	Pin	Condition
Input leak current	I_{IL}	(1)(2)(3) (4)(5)(6) (7)(8)(9)	VI = Vdd* = Vss

Table 21.

Item	Symbol	Pin	Condition
Input leak current	I_{IL}	(1)(2)(3) (4)(5)(6) (7)(8)(9)	VI = Vdd* or VI = Vss

Table 22.

Item	Symbol	Pin	Condition
Input leak current	I_{IL}	(1)(2)(3) (4)(6) (7)(8)	VI = Vdd* or VI = Vss

(C) Terminal name for SD Card Interface Timing and eMMC Interface Timing

[Condition]
VddSD0, VddSD1 = 1.7 V to 1.95 V or 2.7 V to 3.6 V

Table 44. Table 45. Table 46. Table 47. Table 48. Table 49. Table 50. Table 51.

I/O Voltage (VddSD0, VddSD1)

[Condition]
Vdd2, VddSD1 = 1.7 V to 1.95 V or 2.7 V to 3.6 V

Table 44. Table 45. Table 46. Table 47. Table 48. Table 49. Table 50. Table 51.

I/O Voltage (Vdd2, VddSD1)

(D) Wording

48 kH	→	48 kHz
2-mic Noise Caneceller for Hands Free	→	2-mic Noise Canceller for Hands Free
Audio Controles	→	Audio Controls
us Pull-Up	→	is Pull-Up
High voltageoperation	→	High voltage operation
8 Ma	→	8 mA
10 Ma	→	10 mA
Figure 1. Top	→	Figure 1. Top-Level Block Diagram
TBD	→	Planning

List of Affected Standard Parts:

***Note**: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the **PCN Customized Portal**.*

LC823455XATBG		