Title of Change:	Update to Maximum Storage Temperature Specification for AR0830 Package
Effective date:	06 Jan 2026
Contact information:	Contact your local onsemi Sales Office
Type of notification:	This Product Bulletin is for notification purposes only. onsemi will proceed with implementation of this change upon publication of this Product Bulletin.
Change Category:	Other
Change Sub-Category(s):	Datasheet/Product Doc change

Sites Affected:

onsemi Sites	**External Foundry/Subcon Sites**
None	None

Description and Purpose:

Quality and reliability management approved the update of the AR0830 max storage temperature to correct an error in the data sheet. Table 21 of the data sheet has been updated.

Old Table 21:

Table 21. ABSOLUTE MAXIMUM RATINGS

Parameter	Min	Max	Unit
V_{DD} & V_{DD}_PHY (1.05 V domain)	−0.3	1.6	V
V_{DD}_IO (1.8 V domain)	−0.3	2.8	V
V_{AA} & V_{AA}_PIX (2.8 V domain)	−0.3	3.5	V
Operating temperature (at junction)	−30	85	°C
Storage temperature	−40	85	°C

Stresses exceeding those listed in the Maximum Ratings table may damage the device. If any of these limits are exceeded, device functionality should not be assumed, damage may occur and reliability may be affected.

New Table 21:

Table 21. ABSOLUTE MAXIMUM RATINGS

Parameter	Min	Max	Unit
V_{DD} & V_{DD}_PHY (1.05 V domain)	−0.3	1.6	V
V_{DD}_IO (1.8 V domain)	−0.3	2.8	V
V_{AA} & V_{AA}_PIX (2.8 V domain)	−0.3	3.5	V
Operating Temperature (at junction)	−30	85	°C
Storage Temperature	−40	125	°C

Stresses exceeding those listed in the Maximum Ratings table may damage the device. If any of these limits are exceeded, device functionality should not be assumed, damage may occur and reliability may be affected.

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**.

AR0830CSSC11SMKA1-CP	AR0830CSSC11SMKA1-CP2	AR0830CSSM11SMKA1-CP2
AR0830CSSC35SMD20-RC1	AR0830CSSH11SMD20-RC1	AR0830CSSC11SMD20-RC1
AR0830CSSC35SMD20	AR0830CSSH11SMD20	AR0830CSSC11SMD20
AR0830CSSH35SMKA1-CP2	AR0830CSSH35SMKA1-CP	AR0830CSSC35SMKA1-CP2
AR0830CSSC35SMKA1-CP	AR0830CSSH11SMKA1-CP2	AR0830CSSH11SMKA1-CP
AR0830CSSM11SMKA1-CP		