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| Title of Change: | MC74HC132A/D Datasheet update for correction of Input Protection Current values in Maximum Ratings table |
| Effective date: | 21 Dec 2021 |
| Contact information: | Contact your local onsemi Sales Office or Gretel.Ines@onsemi.com |
| 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: | Documentation |
| Change Sub-Category(s): | Datasheet/Product Doc change |

Sites Affected:

| onsemi Sites | External Foundry/Subcon Sites |
|--------------|-------------------------------|
| None | None |

Description and Purpose:

This is a product bulletin informing onsemi customers for the correction done in MC74HC132A/D Datasheet update for correction of Input Protection Current values in Maximum Ratings table.

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

MC74HC132A/D Datasheet correction:

1. Correction of VIN, VOUT and IIK value in Maximum Ratings Table

| Before | After | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------------|--|------|--|--------|-----------|-------|------|-----------------|----------------------------|--------------|---|-----------------|-----------------------|--------------|---|------------------|-------------------|--|---|-----------------|---------------------|-----|----|-----------------|----------------------|-----|----|--|-----------------|--|--|--|--------|-----------|-------|------|-----------------|----------------------------|--------------|---|-----------------|-----------------------|------------------------------|---|------------------|-------------------|------------------------------|---|-----------------|---------------------|-----|----|-----------------|----------------------|-----|----|
| <table border="1"> <thead> <tr> <th colspan="4">MAXIMUM RATINGS</th> </tr> <tr> <th>Symbol</th> <th>Parameter</th> <th>Value</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td>V_{CC}</td> <td>Positive DC Supply Voltage</td> <td>-0.5 to +7.0</td> <td>V</td> </tr> <tr> <td>V_{IN}</td> <td>Digital Input Voltage</td> <td>-0.5 to +7.0</td> <td>V</td> </tr> <tr> <td>V_{OUT}</td> <td>DC Output Voltage</td> <td>Output in 3-State High or Low State -0.5 to V_{CC} + 0.5</td> <td>V</td> </tr> <tr> <td>I_{IK}</td> <td>Input Diode Current</td> <td>-20</td> <td>mA</td> </tr> <tr> <td>I_{OK}</td> <td>Output Diode Current</td> <td>±20</td> <td>mA</td> </tr> </tbody> </table> | MAXIMUM RATINGS | | | | Symbol | Parameter | Value | Unit | V _{CC} | Positive DC Supply Voltage | -0.5 to +7.0 | V | V _{IN} | Digital Input Voltage | -0.5 to +7.0 | V | V _{OUT} | DC Output Voltage | Output in 3-State High or Low State -0.5 to V _{CC} + 0.5 | V | I _{IK} | Input Diode Current | -20 | mA | I _{OK} | Output Diode Current | ±20 | mA | <table border="1"> <thead> <tr> <th colspan="4">MAXIMUM RATINGS</th> </tr> <tr> <th>Symbol</th> <th>Parameter</th> <th>Value</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td>V_{CC}</td> <td>Positive DC Supply Voltage</td> <td>-0.5 to +7.0</td> <td>V</td> </tr> <tr> <td>V_{IN}</td> <td>Digital Input Voltage</td> <td>-0.5 to V_{CC}+0.5</td> <td>V</td> </tr> <tr> <td>V_{OUT}</td> <td>DC Output Voltage</td> <td>-0.5 to V_{CC}+0.5</td> <td>V</td> </tr> <tr> <td>I_{IK}</td> <td>Input Diode Current</td> <td>±20</td> <td>mA</td> </tr> <tr> <td>I_{OK}</td> <td>Output Diode Current</td> <td>±20</td> <td>mA</td> </tr> </tbody> </table> | MAXIMUM RATINGS | | | | Symbol | Parameter | Value | Unit | V _{CC} | Positive DC Supply Voltage | -0.5 to +7.0 | V | V _{IN} | Digital Input Voltage | -0.5 to V _{CC} +0.5 | V | V _{OUT} | DC Output Voltage | -0.5 to V _{CC} +0.5 | V | I _{IK} | Input Diode Current | ±20 | mA | I _{OK} | Output Diode Current | ±20 | mA |
| MAXIMUM RATINGS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Symbol | Parameter | Value | Unit | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V _{CC} | Positive DC Supply Voltage | -0.5 to +7.0 | V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V _{IN} | Digital Input Voltage | -0.5 to +7.0 | V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V _{OUT} | DC Output Voltage | Output in 3-State High or Low State -0.5 to V _{CC} + 0.5 | V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I _{IK} | Input Diode Current | -20 | mA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I _{OK} | Output Diode Current | ±20 | mA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| V _{CC} | Positive DC Supply Voltage | -0.5 to +7.0 | V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V _{IN} | Digital Input Voltage | -0.5 to V _{CC} +0.5 | V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| V _{OUT} | DC Output Voltage | -0.5 to V _{CC} +0.5 | V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I _{IK} | Input Diode Current | ±20 | mA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I _{OK} | Output Diode Current | ±20 | mA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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](#).

| | | |
|------------------|-----------------|----------------|
| NLV74HC132ADG | NLV74HC132ADR2G | NLV74HC132ADTG |
| NLV74HC132ADTR2G | | |

Appendix A: Changed Products

PCN#: PB24433Z
Issue Date: Dec 21, 2021

| Product | Customer Part Number | Qualification Vehicle | New Part Number | Replacement Supplier |
|-----------------|----------------------|-----------------------|-----------------|----------------------|
| NLV74HC132ADR2G | | NA | | |