

|                                |                                                                                                                                                                    |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Title of Change:</b>        | Fanout of Improved Carrier Tape Design from onsemi, Carmona, Philippines to Automated Technology Philippines (ATEC) for SOIC16L Devices under case outline 751B-05 |
| <b>Effective date:</b>         | 30 Jun 2023                                                                                                                                                        |
| <b>Contact information:</b>    | Contact your local onsemi Sales Office or <a href="mailto:Jay.Abelardo@onsemi.com">Jay.Abelardo@onsemi.com</a>                                                     |
| <b>Type of notification:</b>   | This Product Bulletin is for notification purposes only.<br>onsemi will proceed with implementation of this change upon publication of this Product Bulletin.      |
| <b>Change Category:</b>        | Test Change, Packaging / Packing                                                                                                                                   |
| <b>Change Sub-Category(s):</b> | Shipping/Packaging/Marking                                                                                                                                         |

**Sites Affected:**

| onsemi Sites | External Foundry/Subcon Sites            |
|--------------|------------------------------------------|
| None         | ATEC - Automated Technology, Philippines |

**Description and Purpose:**

Automated Technology Philippines (ATEC) will adopt the same qualified carrier tape for SOIC16L (case outline 751B-05) as currently used by onsemi, Carmona, Philippines. This is a carrier tape change only and the details are shown in the table below.

There is no change to the quantity of devices per reel and minimum order quantities.

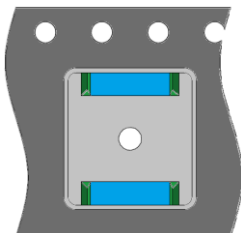
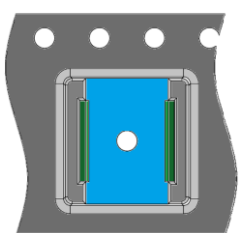
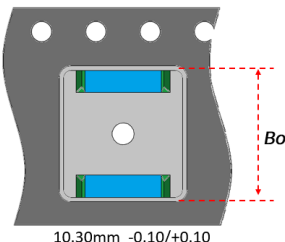
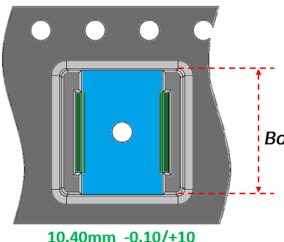
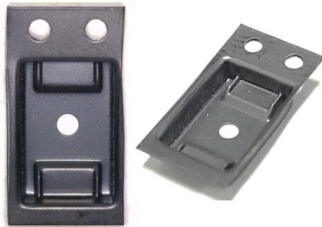
There is no form/fit/function change to the affected devices.

**Details of Change:**

**Table 1:**

| PARAMETERS          | EXISTING MATERIAL              | NEW MATERIAL                |
|---------------------|--------------------------------|-----------------------------|
| <b>Fence Design</b> | Partial pedestal fenced design | Full Pedestal fenced design |
| <b>Bo</b>           | 10.30mm -0.10/+0.10            | 10.40mm -0.10/+10           |

Table 2:

|                                   | EXISTING MATERIAL                                                                                        | NEW MATERIAL                                                                                             |
|-----------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| TOP VIEW<br>(Fence Design)        |                         |                       |
| TOP VIEW<br>(With Bo measurement) | <br>10.30mm -0.10/+0.10 | <br>10.40mm -0.10/+10 |
| ACTUAL CARRIER TAPE IMAGE         |                        |                      |

## 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](#).

|                   |                  |                  |
|-------------------|------------------|------------------|
| MC74HC4051AADR2G  | MC74HC4851AADR2G | MC74HC595AADR2G  |
| MC14541BDR2G      | MC74LCX74DR2G    | MC74AC139DR2G    |
| MC74HC4053ADR2G   | MC74HC4052ADR2G  | MC74HC138ADR2G   |
| MC74HC4040ADR2G   | MC74HC595ADR2G   | MC74HC139ADR2G   |
| MC74HC157ADR2G    | MC74HC151ADR2G   | MC74HC589ADR2G   |
| MC74HC165ADR2G    | NLV74HC165ADR2G  | NLV74HC589ADR2G  |
| NLV74HC138ADR2G   | NLV74HC4052ADR2G | NLV74HC151ADR2G  |
| NLV74HC157ADR2G   | NLV74HC139ADR2G  | NLV74HC4040ADR2G |
| NLV74HC595ADR2G   | MC74HCT4051ADR2G | MC74HC4051ADR2G  |
| MC74HC4094ADR2G   | MC74HCT365ADR2G  | MC74HCT595ADR2G  |
| MC74HCT4851AADR2G | MC74HC112ADR2G   | MC74HC153ADR2G   |
| MC74HC160ADR2G    | MC74HC161ADR2G   | MC74HC175ADR2G   |
| MC74HC365ADR2G    | MC74HC367ADR2G   | MC74HC368ADR2G   |
| MC74HC390ADR2G    | MC74HCT138ADR2G  | MC74HCT259ADR2G  |

|                   |                  |                  |
|-------------------|------------------|------------------|
| MC74HCT366ADR2G   | MC74HCT4052ADR2G | MC74HCT4053ADR2G |
| MC74HC4852ADR2G   | MC74HCT4094ADR2G | NLV74HC174ADR2G  |
| NLV74HC238ADR2G   | NLV74HC4051ADR2G | NLV74HC4852ADR2G |
| NLV74HC4851ADR2G  | NLV74HC4060ADR2G | NLV74HC251ADR2G  |
| NLV74HC390ADR2G   | NLV74HC4020ADR2G | NLV74ACT139DR2G  |
| MC74VHC595DR2G    | NLVHC259ADR2G    | MC74HC4851ADR2G  |
| MC74HC597ADR2G    | MC74HC251ADR2G   | MC74HC174ADR2G   |
| MC74HC163ADR2G    | MC74HC4060ADR2G  | NLV74HC4053ADR2G |
| NLV74HC4051AADR2G |                  |                  |