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|-------------------------------------|---|--|
| Title of Change: | Migration from AC/ACT/LCX/LVX/VHC Legacy Fairchild BOM material to existing ON Semiconductor BOM to ensure continuation of supply. | |
| Proposed first ship date: | 10 February 2018 or earlier with customer approval. | |
| Contact information: | Contact your local ON Semiconductor Sales Office or <Rich.Field@onsemi.com> | |
| Samples: | Contact your local ON Semiconductor Sales Office | |
| Additional Reliability Data: | Contact your local ON Semiconductor Sales Office or <ChangKit.Mok@onsemi.com> | |
| Type of notification: | This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. ON Semiconductor will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact <PCN.Support@onsemi.com>. | |
| Change Part Identification: | Affected products will be identified with Legacy Fairchild logo, with ON standard Trace code. Current:  Proposed:  | |
| Change category: | <input checked="" type="checkbox"/> Wafer Fab Change <input checked="" type="checkbox"/> Assembly Change <input checked="" type="checkbox"/> Test Change <input type="checkbox"/> Other _____ | |
| Change Sub-Category(s): | <input checked="" type="checkbox"/> Manufacturing Site Change/Addition <input type="checkbox"/> Manufacturing Process Change | <input checked="" type="checkbox"/> Material Change <input type="checkbox"/> Product specific change <input type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Other: _____ |
| Sites Affected: | ON Semiconductor Sites: ON Carmona, Philippines | External Foundry/Subcon Sites: CSMC TECHNOLOGIES FAB 1 CO. LTD. ATEC Automated Technology (Phil.) Inc. Tower Semiconductor Ltd, Israel |

Description and Purpose:

This Final Notification announces to customers the following changes for the affected list of products identified below.

| | Before Change Description | After Change Description |
|-----------------|--|--|
| Fab Change | CSMC TECHNOLOGIES FAB 1 CO. LTD | Tower Semiconductor Ltd, Israel |
| Assembly Change | ATEC Automated Technology (Phil.) Inc. | ON Semiconductor, Carmona, Philippines |
| Test Change | ATEC Automated Technology (Phil.) Inc. | ON Semiconductor, Carmona, Philippines |

The purpose of this change is for continuation of supply for Legacy Fairchild devices that are no longer supportable from CSMC.



Reliability Data Summary:

The device has been qualified and validated based on the same Product Specification. The device has successfully passed the qualification tests. Potential impacts can be identified, but due to testing performed by ON Semiconductor in relation to the PCN, associated risks are verified and excluded. No anticipated impacts. The MSL of SOIC WB parts will be MSL3.

Available upon request.

Electrical Characteristic Summary:

New material meets datasheet specifications. Side-by-side comparison of characterization data is available upon request.

List of Affected Parts:

| Product Number | Qualification Vehicle |
|----------------|-----------------------|
| 74AC00MTC | 74AC00MTC |
| 74AC00MTCX | |
| 74AC00SC | |
| 74AC00SCX | |
| 74AC04MTC | |
| 74AC04MTCX | |
| 74AC04SC | |
| 74AC04SCX | |
| 74AC08MTC | |
| 74AC08MTCX | |
| 74AC08SC | |
| 74AC08SCX | |
| 74AC138MTC | |
| 74AC138MTCX | |
| 74AC138SC | |
| 74AC138SCX | |
| 74AC14MTC | |
| 74AC14MTCX | |
| 74AC14SC | |
| 74AC14SCX | |
| 74AC240SC | |
| 74AC240SCX | |
| 74AC244MTC | |
| 74AC244MTCX | |
| 74AC244SC | |
| 74AC244SCX | |
| 74AC245MTC | |
| 74AC245MTCX | |
| 74AC245SC | |



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|--------------|-----------|
| 74AC245SCX | |
| 74AC32MTC | |
| 74AC32MTCX | |
| 74AC32SC | |
| 74AC32SCX | |
| 74AC86MTC | |
| 74AC86MTCX | |
| 74AC86SC | |
| 74AC86SCX | |
| 74ACT00MTC | |
| 74ACT00MTCX | |
| 74ACT00SC | |
| 74ACT00SCX | |
| 74ACT04MTC | |
| 74ACT04MTCX | |
| 74ACT04SC | |
| 74ACT04SCX | |
| 74ACT08MTC | |
| 74ACT08MTCX | |
| 74ACT08SC | |
| 74ACT08SCX | 74AC00MTC |
| 74ACT138SC | |
| 74ACT138SCX | |
| 74ACT240MTC | |
| 74ACT240MTCX | |
| 74ACT240SC | |
| 74ACT240SCX | |
| 74ACT244MTC | |
| 74ACT244MTCX | |
| 74ACT244SC | |
| 74ACT244SCX | |
| 74ACT245MTC | |
| 74ACT245MTCX | |
| 74ACT245SC | |
| 74ACT245SCX | |
| 74ACT32MTC | |
| 74ACT32MTCX | |
| 74ACT32SC | |
| 74ACT32SCX | |
| 74LCX244WM | |
| 74LCX244WMX | |



| | |
|--------------|-----------|
| 74AC139MTCX | |
| 74AC139SC | |
| 74AC139SCX | |
| 74AC540SC | |
| 74AC540SCX | |
| 74AC541MTC | |
| 74AC541MTCX | |
| 74AC541SC | |
| 74AC541SCX | |
| 74ACT139MTC | |
| 74ACT139MTCX | |
| 74ACT139SC | |
| 74ACT139SCX | |
| 74ACT14MTC | 74AC00MTC |
| 74ACT14MTCX | |
| 74ACT14SC | |
| 74ACT14SCX | |
| 74ACT541MTC | |
| 74ACT541MTCX | |
| 74ACT541SC | |
| 74ACT541SCX | |
| 74LVX08M | |
| 74LVX08MX | |
| 74VHC08M | |
| 74VHC08MX | |
| 74LCX373MTCX | |
| 74LCX373MTC | |



Appendix A: Changed Products

| Product | Customer Part Number | Qualification Vehicle |
|--------------|----------------------|-----------------------|
| 74AC00MTC | | 74AC00MTC |
| 74AC00MTCX | | 74AC00MTC |
| 74AC00SC | 74AC00SC-ND | 74AC00MTC |
| 74AC00SCX | | 74AC00MTC |
| 74AC04MTCX | | 74AC00MTC |
| 74AC04SC | 74AC04SC-ND | 74AC00MTC |
| 74AC04SCX | | 74AC00MTC |
| 74AC08MTC | | 74AC00MTC |
| 74AC08MTCX | | 74AC00MTC |
| 74AC08SC | 74AC08SC-ND | 74AC00MTC |
| 74AC08SCX | | 74AC00MTC |
| 74AC138MTC | | 74AC00MTC |
| 74AC138MTCX | | 74AC00MTC |
| 74AC138SCX | | 74AC00MTC |
| 74AC139MTCX | | 74AC00MTC |
| 74AC139SCX | | 74AC00MTC |
| 74AC14MTC | | 74AC00MTC |
| 74AC14MTCX | | 74AC00MTC |
| 74AC14SC | | 74AC00MTC |
| 74AC14SCX | | 74AC00MTC |
| 74AC240SC | | 74AC00MTC |
| 74AC244MTC | | 74AC00MTC |
| 74AC244MTCX | | 74AC00MTC |
| 74AC244SC | 74AC244SC-ND | 74AC00MTC |
| 74AC244SCX | | 74AC00MTC |
| 74AC245MTCX | | 74AC00MTC |
| 74AC245SC | | 74AC00MTC |
| 74AC245SCX | | 74AC00MTC |
| 74AC32MTC | | 74AC00MTC |
| 74AC32MTCX | | 74AC00MTC |
| 74AC32SC | 74AC32SC-ND | 74AC00MTC |
| 74AC32SCX | | 74AC00MTC |
| 74AC540SC | 74AC540SC-ND | 74AC00MTC |
| 74AC540SCX | | 74AC00MTC |
| 74AC541MTC | | 74AC00MTC |
| 74AC541MTCX | | 74AC00MTC |
| 74AC541SC | | 74AC00MTC |
| 74AC541SCX | | 74AC00MTC |
| 74AC86MTC | | 74AC00MTC |
| 74AC86MTCX | | 74AC00MTC |
| 74AC86SCX | | 74AC00MTC |
| 74ACT00MTC | | 74AC00MTC |
| 74ACT00MTCX | | 74AC00MTC |
| 74ACT00SC | 74ACT00SC-ND | 74AC00MTC |
| 74ACT00SCX | | 74AC00MTC |
| 74ACT04MTC | | 74AC00MTC |
| 74ACT04MTCX | | 74AC00MTC |
| 74ACT04SC | 74ACT04SC-ND | 74AC00MTC |
| 74ACT04SCX | | 74AC00MTC |
| 74ACT08MTC | | 74AC00MTC |
| 74ACT08MTCX | | 74AC00MTC |
| 74ACT08SC | 74ACT08SC-ND | 74AC00MTC |
| 74ACT08SCX | | 74AC00MTC |
| 74ACT138SC | | 74AC00MTC |
| 74ACT138SCX | | 74AC00MTC |
| 74ACT139MTC | | 74AC00MTC |
| 74ACT139MTCX | | 74AC00MTC |
| 74ACT139SC | | 74AC00MTC |
| 74ACT139SCX | | 74AC00MTC |



| | | |
|--------------|--|-----------|
| 74ACT14MTC | | 74AC00MTC |
| 74ACT14MTCX | | 74AC00MTC |
| 74ACT14SC | | 74AC00MTC |
| 74ACT14SCX | | 74AC00MTC |
| 74ACT240MTCX | | 74AC00MTC |
| 74ACT240SCX | | 74AC00MTC |
| 74ACT244MTC | | 74AC00MTC |
| 74ACT244MTCX | | 74AC00MTC |
| 74ACT244SC | | 74AC00MTC |
| 74ACT244SCX | | 74AC00MTC |
| 74ACT245MTC | | 74AC00MTC |
| 74ACT245MTCX | | 74AC00MTC |
| 74ACT245SC | | 74AC00MTC |
| 74ACT245SCX | | 74AC00MTC |
| 74ACT32MTCX | | 74AC00MTC |
| 74ACT32SC | | 74AC00MTC |
| 74ACT32SCX | | 74AC00MTC |
| 74ACT541MTC | | 74AC00MTC |
| 74ACT541MTCX | | 74AC00MTC |
| 74ACT541SC | | 74AC00MTC |
| 74ACT541SCX | | 74AC00MTC |
| 74LCX244WM | | 74AC00MTC |
| 74LCX244WMX | | 74AC00MTC |
| 74LCX373MTC | | 74AC00MTC |
| 74LCX373MTCX | | 74AC00MTC |
| 74LVX08MX | | 74AC00MTC |
| 74VHC08M | | 74AC00MTC |
| 74VHC08MX | | 74AC00MTC |