



Title of Change:	Change of Epoxy Material due to Supplier Discontinuance in Automated Technology, Philippines (ATEC).	
Proposed First Ship date:	3 Mar 2021 or earlier if approved by customer	
Contact Information:	Contact your local ON Semiconductor Sales Office or Terry.Galloway@onsemi.com	
PCN Samples Contact:	Contact your local ON Semiconductor Sales Office or < PCN.samples@onsemi.com >. Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.	
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or Chielo.Basa@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	
Marking of Parts/ Traceability of Change:	None	
Change Category:	Assembly Change	
Change Sub-Category(s):	Material Change	
Sites Affected:		
ON Semiconductor Sites	External Foundry/Subcon Sites	
None	ATEC - Automated Technology, Philippines	

Description and Purpose:

	Before Change Description	After Change Description
Die Attach	HITACHI Poly 6	Ablestik 84-1 LMIS-R4

Reliability Data Summary:

QV DEVICE NAME : 74LCX138MX

RMS # : O68686

PACKAGE : SOIC 16

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/240
TC	JESD22-A104	Ta= -65°C to + 150°C	500 cyc	0/240
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/240
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/240
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/720

**Electrical Characteristics Summary:**

Electrical Characteristics are not impacted.

List of Affected 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**.

Part Number	Qualification Vehicle
74LCX157MX	74LCX138MX
74LCX157M	74LCX138MX
74VHC123AM	74LCX138MX
74VHC123AMX	74LCX138MX
74LCX112MX	74LCX138MX
74LCX112M	74LCX138MX
74LCX138M	74LCX138MX
74LCX138MX	74LCX138MX
74VHC595MX	74LCX138MX
74VHC595M	74LCX138MX
74VHC138M	74LCX138MX
74VHC138MX	74LCX138MX
74LVX138MX	74LCX138MX
74VHC112MX	74LCX138MX
74VHC112M	74LCX138MX
74VHC175MX	74LCX138MX
74LCX257M	74LCX138MX
74LCX257MX	74LCX138MX
MM74HCT138MX	74LCX138MX
MM74HC595MX	74LCX138MX
MM74HC595M	74LCX138MX



Appendix A: Changed Products

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
74LCX157MX		74LCX138MX	NA	
74VHC123AM		74LCX138MX	NA	
74VHC123AMX		74LCX138MX	NA	
MM74HCT138MX		74LCX138MX	NA	
74LCX112M		74LCX138MX	NA	
74LCX138M		74LCX138MX	NA	
74LCX138MX		74LCX138MX	NA	
74VHC595MX		74LCX138MX	NA	
74VHC595M	74VHC595M-ND	74LCX138MX	NA	
74VHC138M		74LCX138MX	NA	
74VHC138MX		74LCX138MX	NA	
74LVX138MX		74LCX138MX	NA	
74VHC112M		74LCX138MX	NA	
74VHC175MX		74LCX138MX	NA	
MM74HC595MX		74LCX138MX	NA	
MM74HC595M	MM74HC595M-ND	74LCX138MX	NA	