



Final Product/Process Change Notification

Document #:FPCN25906XC

Issue Date:18 Jan 2026

Title of Change:	Conversion of EMC G600 to replace EMC CEL-800JF	
Proposed First Ship date:	25 Apr 2026 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office	
PCN Samples Contact:	Contact your local onsemi Sales Office. 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 onsemi Sales Office	
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. onsemi 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:	Traceability of change can be verified on the date code	
Change Category:	Assembly Change	
Change Sub-Category(s):	Material Change	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
None	ATEC - Automated Technology, Philippines	
Description and Purpose:		
<p>onsemi wishes to inform customers of its plan to qualify Sumitomo G600 mold compound as a replacement for the existing Resonac CEL-800JF mold compound for the devices listed in this notification.</p> <p>This change is necessary due to the supply discontinuance of the current mold compound. Inventory of the old material has been depleted; therefore, customer approval is required before fulfilling any further orders.</p>		
	From	To
Mold Compound	Resonac EMC CEL-800JF	Sumitomo EMC G600
There is no product marking change as a result of this change.		

Reliability Data Summary:

QV DEVICE NAME: 74LCX16646MTDX

RMS: O92908

PACKAGE: TSSOP 56

Test	Specification	Condition	Interval	Results
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hrs	0/240
Preconditioning	J-STD-020 JESD-A113	MSL 2 @ 260°C, Pre TC, uHAST for surface mount pkgs only		0/480
Temperature Cycling	JESD22-A104	Ta= -65°C to + 150°C	500 cyc	0/240
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/240
Solderability	JSTD002	Ta = 245°C, 5 sec		0/ 45
Physical Dimensions	JESD22-B100 and JESD22-B108	Per Case Outline		0/30

QV DEVICE NAME: 74LCX16245MTD

RMS: O92921

PACKAGE: TSSOP 48

Test	Specification	Condition	Interval	Results
High Temperature Operating Life	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/240
Preconditioning	J-STD-020 JESD-A113	MSL 2 @ 260 °C, Pre TC, uHAST, HAST for surface mount pkgs only		0/240
Highly Accelerated Stress Test	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96hrs	0/240

**Zero parts failed during Reliability Testing. Qualification is completed with passing results.*

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**.

Current Part Number	New Part Number	Qualification Vehicle
74VHC112MTCX	#NONE	74LCX16646MTDX / 74LCX16245MTD
74LCX257MTCX	#NONE	74LCX16646MTDX / 74LCX16245MTD
74VHC123AMTCX	#NONE	74LCX16646MTDX / 74LCX16245MTD
74LCX760MTCX	#NONE	74LCX16646MTDX / 74LCX16245MTD
74LCX112MTCX	#NONE	74LCX16646MTDX / 74LCX16245MTD