



## Initial Product/Process Change Notification

Document #: IPCN25906X

Issue Date: 13 Dec 2023

<b>Title of Change:</b>	Conversion of EMC G600 to replace EMC CEL-800JF	
<b>Proposed First Ship date:</b>	30 Apr 2024 or earlier if approved by customer	
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:Rob.Fazonela@onsemi.com">Rob.Fazonela@onsemi.com</a>	
<b>PCN Samples Contact:</b>	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.	
<b>Type of Notification:</b>	This is an Initial Product/Process Change Notification (IPCN) sent to customers. An IPCN is an advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan. The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN). This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 90 days prior to implementation of the change. In case of questions, contact < <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a> >	
<b>Marking of Parts/ Traceability of Change:</b>	Traceability of change can be verified on the date code	
<b>Change Category:</b>	Assembly Change	
<b>Change Sub-Category(s):</b>	Material Change	
<b>Sites Affected:</b>		
<b>onsemi Sites</b>	<b>External Foundry/Subcon Sites</b>	
None	ATEC - Automated Technology, Philippines	
<b>Description and Purpose:</b>		
This initial notification wants to notify customers regarding the qualification of EMC G600 in Replacement to EMC CEL-800JF.		
	<b>From</b>	<b>To</b>
<i>Mold Compound</i>	EMC CEL-800JF	EMC G600



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### Qualification Plan:

**DEVICE NAME:** 74VHC164MTCX

**RMS:** 93063

**PACKAGE:** TSSOP14

Test	Specification	Condition	Interval
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hrs
Preconditioning	J-STD-020 JESD-A113	MSL 1 @ 260°C	
Temperature Cycling	JESD22-A104	Ta= -65°C to +150°C	500 cyc
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs
Solderability	JSTD002	Ta = 245°C, 5 sec	
Physical Dimensions	JESD22-B120 JESD22-B108		

Estimated date for qualification completion: 31 March 2024

### 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
FIN1019MTCX	74VHC164MTCX / FIN3385MTDX
FIN1048MTCX	74VHC164MTCX / FIN3385MTDX
FIN1047MTCX	74VHC164MTCX / FIN3385MTDX
FIN1032MTCX	74VHC164MTCX / FIN3385MTDX
FIN1031MTCX	74VHC164MTCX / FIN3385MTDX