



Title of Change:	Qualification of HVIC Characteristics improvement (Vdd robustness) and Wafer fabrication site change for Intelligent Power Module (IPM) of STK5C4U332J-E products at ON Semiconductor Vietnam (OSV).
Proposed First Ship date:	04 Dec 2020 or earlier if approved by customer
Contact Information:	Contact your local ON Semiconductor Sales Office or Mitsuru.Oyagi@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 Yasuhiro.Igarashi@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:	Date Code
Change Category:	Wafer Fab Change, (Wafer Fab site change), HVIC Change.
Change Sub-Category(s):	Manufacturing Site Transfer

Sites Affected:

ON Semiconductor Sites	External Foundry/Subcon Sites
ON Semiconductor Gresham	None
ON Semiconductor Aizu	

Description and Purpose:

	Before Change Description	After Change Description
HVIC Change	Original	Modify HVIC Characteristics improvement (Vdd robustness).
HVIC Wafer Fab site	ON Semiconductor Gresham	ON Semiconductor Aizu

Reliability Data Summary:

QV DEVICE NAME: STK5C4U332J-E

RMS: J62540

PACKAGE: DIP-S

Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Tj=150°C, VCE=600V, VGE=0V, VDD=19.5V	1008 hours	0/11
HTSL	JESD22-A103	Ta=125°C	1008 hours	0/11
LTSL	JESD22-A119, cond. A	Ta=-45°C	1008 Hrs	0/11
THU	JESD22-A101	Ta=85°C, RH=85%	1008 hours	0/11
H3TRB	JESD22-A101	Ta=85°C, RH=85%, VCE=480V, VGE = 0V, VDD=15.6V	1008 hours	0/11
TC	JESD22-A104, cond. G, soak mode 4	Ta=-40°C to 125°C	1000 cyc	0/11
PCT	MIL-STD-750 (M1036&M1037)	Delta Tj=100°C, (Tj max=125°C)	10k cyc	0/11
ESD	AEC Q101-001 AEC Q101-005	HBM	-	0/3
		MM		

All reliability test passed.



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
STK5C4U332J-E	STK5C4U332J-E



Appendix A: Changed Products

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Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
STK5C4U332J-E		STK5C4U332J-E		