



Title of Change:	Qualification of an additional supplier for Low Resistance Resistor for Intelligent Power Module (IPM) of STK672series products.							
Proposed first ship date:	14 September 2018							
Contact information:	Contact your local ON Semiconductor Sales Office or <Tomohiro.Uda@onsemi.com>							
Samples:	Contact your local ON Semiconductor Sales Office or <PCN.Samples@onsemi.com>							
Type of notification:	This is an Initial Product/Process Change Notification (IPCN) sent to customers. IPCNs are issued at least 30 days prior to the issuance of the Final Change Notice (FPCN). 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 <PCN.Support@onsemi.com>.							
Change Part Identification:	Date Code							
Change category:	☐ Wafer Fab Change ☐ Assembly Change ☐ Test Change ☒ Other <u>Low Resistor supplier add.</u>							
Change Sub-Category(s):	☐ Manufacturing Site Change/Addition ☐ Material Change ☐ Datasheet/Product Doc change ☐ Manufacturing Process Change ☐ Product specific change ☐ Shipping/Packaging/Marking ☒ Other: <u>Manufacturing Site Low Resistor supplier add.</u>							
Sites Affected:	ON Semiconductor Sites: ON Binh Duong Province, Vietnam	External Foundry/Subcon Sites: None						
Description and Purpose: This FPCN announces the qualification of an additional supplier for Low Resistance Resistor for Intelligent Power Module (IPM) of STK672series products. No change on the resistor. The Resistance Value, Resistance Tolerance, Size and Rated Power is the same.								
<table border="1" style="width: 100%; text-align: center;"> <thead> <tr style="background-color: #92d050;"> <th style="width: 33%;">Low Resistance.</th><th style="width: 33%;">Before Change</th><th style="width: 33%;">After Change</th></tr> </thead> <tbody> <tr> <td>Supplier</td><td>Supplier-A</td><td>Supplier-A / Supplier-B</td></tr> </tbody> </table>			Low Resistance.	Before Change	After Change	Supplier	Supplier-A	Supplier-A / Supplier-B
Low Resistance.	Before Change	After Change						
Supplier	Supplier-A	Supplier-A / Supplier-B						

**Qualification Plan:**QV DEVICE NAME STK672-630AN-EPACKAGE SMART

Test	Specification	Condition	Interval
HTSL	JESD22-A103	Ta= 125°C	1000 hrs
TC	JESD22-A104	Ta= -40°C to +125°C	1000cyc
AC	JESD22-A102	121°C, 100%RH, 15psig	96hrs
H3TRB	JESD22-A101	85°C, 85% RH, 80% rated V	1008 hrs

List of Affected Standard Parts:

Part Number	Qualification Vehicle
STK672-630AN-E	STK672-630AN-E
STK672-632AN-E	
STK672-732AN-E	
STK672-630CN-E	
STK672-640AN-E	
STK672-642AN-E	
STK672-740AN-E	
STK672-640CN-E	



Appendix A: Changed Products

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Product	Customer Part Number	Qualification Vehicle
STK672-630AN-E		STK672-630AN-E
STK672-630CN-E		STK672-630AN-E
STK672-632AN-E		STK672-630AN-E
STK672-640AN-E		STK672-630AN-E
STK672-640CN-E		STK672-630AN-E
STK672-642AN-E		STK672-630AN-E
STK672-732AN-E		STK672-630AN-E
STK672-740AN-E		STK672-630AN-E