



Final Product/Process Change Notification

Document #:FPCN23349X

Issue Date:01 Jun 2020

Title of Change:	Transfer of Assembly and Test operations of TO-126-XF packaged products from AUK-Dalian to Shantou Huashan Electronic Devices Co., Ltd., China (SHEDCL).
Proposed First Ship date:	08 Sep 2020 or earlier if approved by customer
Contact Information:	Contact your local ON Semiconductor Sales Office or NurulAliaFatin.Redzoan@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 Jing.Wang2@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:	Affected products will be identified by date code
Change Category:	Assembly Change
Change Sub-Category(s):	Manufacturing Site Transfer

Sites Affected:

ON Semiconductor Sites	External Foundry/Subcon Sites
None	AUK Dalian, China SHANTOU HUASHAN Electronic Devices Co., Ltd., China

Description and Purpose:

ON Semiconductor wishes to inform our customers of a change in assembly sites and final test sites used for the devices listed in this PCN. All other aspects of the impacted products (form, fit, function) will remain unchanged.

	Before Change Description	After Change Description
Mold Compound	ST7100KS 48MM X 79G	KHG400
Assembly Site	AUK Dalian, China	Shantou Huashan Electronic Devices Co., Ltd., China

**Reliability Data Summary:****QV DEVICE NAME:** KSB1151YS (PTI : FD)**RMS:** J59919, O62691**PACKAGE:** TO-126

Test	Specification	Condition	Interval	Results
EV	JEDS22 B101	External Visual, Device construction, marking, and workmanship		0/231
HTRB	JESD22-A108	Ta = 150°C, 80% rated V	1008 hrs	0/231
HTSL	JESD22-A103	Ta = 150°C	1008 hrs	0/231
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta = +25°C, delta Tj=100°C On/off = 2.0 min	15000 cyc	0/231
TC	JESD22-A104	Ta = -55°C to +150°C	1000 cyc	0/231
AC	JESD22-A102	121°C, 100% RH, 15.5psig, unbiased	96 hrs	0/231
H3TRB	JEDS22 A101	Ta = 85°C, 85% RH, V=80% rated V	1008 hrs	0/231
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/90
SD	JSTD002	Ta = 245°C, 10 sec		0/45
PD	JESD22 B100	Per POD / Case Outline, Verify physical dimensions to specifications	0 hr	0/30
SAT	JESD22-A104, Appendix 6 J-STD-035		0 hr	0/75
DPA	AEC Q101-004 Section 4	Following TC	1008 hrs	0/6
DPA	AEC Q101-004 Section 4	Following HTRB	1008 hrs	0/6
DPA	AEC Q101-004 Section 4	Following H3TRB	1008 hrs	0/6

QV DEVICE NAME: KSA1156YS (PTI : FD)**RMS:** J59921, O63592**PACKAGE:** TO-126

Test	Specification	Condition	Interval	Results
EV	JEDS22 B101	External Visual, Device construction, marking, and workmanship		0/77
HTRB	JESD22-A108	Ta = 150°C, 80% rated V	1008 hrs	0/77
HTSL	JESD22-A103	Ta = 150°C	1008 hrs	0/77
IOL	MIL-STD-750 (M1037) AEC-Q101	Ta = +25°C, delta Tj=100°C On/off = 2.0 min	15000 cyc	0/77
TC	JESD22-A104	Ta = -55°C to +150°C	1000 cyc	0/77
AC	JESD22-A102	121°C, 100% RH, 15.5psig, unbiased	96 hrs	0/77
H3TRB	JEDS22 A101	Ta = 85°C, 85% RH, V=80% rated V	1008 hrs	0/77
RSH	JESD22- B106	Ta = 265°C, 10 sec		0/30
SD	JSTD002	Ta = 245°C, 10 sec		0/15
PD	JESD22 B100	Per POD / Case Outline, Verify physical dimensions to specifications	0 hr	0/30
SAT	JESD22-A104, Appendix 6 J-STD-035		0 hr	0/25
DPA	AEC Q101-004 Section 4	Following TC	1008 hrs	0/2
DPA	AEC Q101-004 Section 4	Following HTRB	1008 hrs	0/2
DPA	AEC Q101-004 Section 4	Following H3TRB	1008 hrs	0/2

**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
BD433S	KSB1151YS
BD434S	KSB1151YS
BD436S	KSB1151YS
BD436STU	KSB1151YS
BD438S	KSB1151YS
BD438STU	KSB1151YS
BD440S	KSB1151YS
KSD1691GS	KSB1151YS
KSD1692YS	KSB1151YS
KSE800STU	KSB1151YS
BD13610S	KSA1156YS
KSA1142OSTU	KSA1156YS



Appendix A: Changed Products

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
BD433S		KSB1151YS		
BD434S		KSB1151YS		
BD436S		KSB1151YS		
BD438STU		KSB1151YS		
BD440S		KSB1151YS		
KSD1691GS		KSB1151YS		
KSD1692YS		KSB1151YS		
BD13610S		KSA1156YS		
KSA1142OSTU		KSA1156YS		
BD436STU		KSB1151YS		
BD438S		KSB1151YS		