



Final Product/Process Change Notification

Document #:FPCN23777X1

Issue Date:12 May 2023

Title of Change:	Update to FPCN23777X – To inform customers of a correction for Mold Compound of MJE181STU.	
Proposed First Ship date:	NA	
Contact Information:	Contact your local onsemi Sales Office or NurulAliaFatin.Redzoan@onsemi.com	
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 or Lalan.Ortega@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. 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:	Affected products will be identified by date code	
Change Category:	Assembly Change, Test Change	
Change Sub-Category(s):	Material Change	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
None	SHANTOU HUASHAN Electronic Devices Co., Ltd., China	
Description and Purpose:		
This is an update notice to FPCN23777X to inform customer that there is a clerical error for Mold Compound stated for MJE181STU.		
The Mold Compound change will be implemented as the Mold Compound already qualified under FPCN23349X.		
The correct Mold Compound was qualified with KSB1151YS. Customer will receive the correct Mold Compound material as per below.		
	Before Change Description	After Change Description
Mold Compound	ST7100KS	KHG400



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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

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
MJE181STU	KSB1151YS