




Title of Change:	SOT-23 5L Leadframe Design Change	
Proposed First Ship date:	18 May 2022 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or Joseph.Mendoza@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 Aileen.Allado@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 with date code.	
Change Category:	Assembly Change	
Change Sub-Category(s):	Change in leadframe design	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
onsemi Cebu, Philippines	None	
Description and Purpose:		
Change in Die Attach pad (DAP) and leadpost dimensions to consolidate two similarly designed lead frames into one design.		
	Before Change Description	After Change Description
Lead Frame	<p>Affected parts: FAN5331SX, FAN2558S38X, FAN2558S35X, FAN2558S33X, FAN2558S25X, FAN2558S18X, FAN2558S15X, FAN2558S13X, FAN2558S12X, FAN2558S10X</p>  <ul style="list-style-type: none"> DAP Size: 1.524x1.143mm Leadpost Size: 0.343x0.203mm 	<p>Affected parts: All</p>  <ul style="list-style-type: none"> DAP Size: 1.676x1.219mm Leadpost Size: 0.295x0.203mm

	<p>Affected Parts: FIN1001M5X, FIN1002M5X, FAN3111ESX, FAN3111CSX</p>  <ul style="list-style-type: none"> • DAP Size: 1.321x1.092mm • Leadpost Size: 0.445x0.203mm 	
--	---	--

There is no product marking change as a result of this change.

Reliability Data Summary:

QV DEVICE NAME: FAN2558S33X

RMS: F69224

PACKAGE: SOT23 5L AU SNGL HPBF

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150 °C	1008 hrs	0/231
TC	JESD22-A104	Ta= -55°C to + 150°C	1000 cyc	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/462
SD	JSTD002	Ta = 245C, 5 sec		0/ 66

QV DEVICE NAME: FIN1002M5X

RMS: F69223

PACKAGE: SOT23 5L AU SNGL HPBF

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150 °C	1008 hrs	0/231
TC	JESD22-A104	Ta= -55°C to + 150°C	1000 cyc	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/462
SD	JSTD002	Ta = 245C, 5 sec		0/ 66

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
FIN1001M5X	FIN1002M5X
FIN1002M5X	FIN1002M5X
FAN3111ESX	FIN1002M5X



Final Product/Process Change Notification

Document #:FPCN23511X

Issue Date:11 Feb 2022

FAN3111CSX	FIN1002M5X
FAN5331SX	FAN2558S33X
FAN2558S10X	FAN2558S33X
FAN2558S12X	FAN2558S33X
FAN2558S13X	FAN2558S33X
FAN2558S15X	FAN2558S33X
FAN2558S18X	FAN2558S33X
FAN2558S25X	FAN2558S33X
FAN2558S33X	FAN2558S33X
FAN2558S35X	FAN2558S33X
FAN2558S38X	FAN2558S33X

Appendix A: Changed Products

PCN#: FPCN23511X
Issue Date: Feb 11, 2022

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
FIN1001M5X		FIN1002M5X	NA	
FAN3111ESX		FIN1002M5X	NA	
FAN3111CSX		FIN1002M5X	NA	
FAN5331SX		FAN2558S33X	NA	
FAN2558S10X		FAN2558S33X	NA	
FAN2558S12X		FAN2558S33X	NA	
FAN2558S15X		FAN2558S33X	NA	
FAN2558S18X		FAN2558S33X	NA	
FAN2558S25X		FAN2558S33X	NA	
FAN2558S33X		FAN2558S33X	NA	
FAN2558S35X		FAN2558S33X	NA	
FIN1002M5X		FIN1002M5X	NA	