

Title of Change:	SUPPLY RESILIENCY: SOSM CPR PACKAGES DUAL SOURCE IN TARLAC (SOT-23)	
Effective date:	02 Sep 2026	
Contact information:	Contact your local onsemi Sales Office	
Type of notification:	This Product Bulletin is for notification purposes only. onsemi will proceed with implementation of this change upon publication of this Product Bulletin.	
Change Category:	Assembly Change, Test Change	
Change Sub-Category(s):	Manufacturing Site Addition	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
onsemi Leshan, China	None	
onsemi Tarlac, Philippines		
Description and Purpose:		
We are issuing this Product Bulletin to inform customers of an additional manufacturing site as part of our Supply Resiliency Initiatives. To enhance our supply chain resilience and management, onsemi is pleased to announce the release of SOT-23 package parts with an alternative assembly and test site. The original part numbers remain unchanged and active at the current site. The new part numbers are exact copies of the original part numbers, differing only in the aspects listed in the table below. Importantly, the electrical characteristics remain unaffected. Upon implementation of this change, both qualified sites will be used to support customer demand. This move enables dual sourcing for strategic packages currently sole-sourced and helps establish capability to strengthen supply chain flexibility and reduce risk. If you are interested in receiving material from another source, please reach your local salesperson.		
	Original Part Numbers	Additional Part Numbers
Assembly and Test Site	onsemi Leshan, China	onsemi Tarlac, Philippines
Part Number Change	Original Part Number	Original Part Number with suffix “—NC”

Qualification Results:

QV DEVICE NAME: SZMMBZ47VALT1G

RMS: L101407

PACKAGE: SOT-23

Test	Specification	Condition	Interval	Results
High Temperature Reverse Bias	JESD22-A108	Ta=150°C, 100% max rated V	1008 hrs	0/231
High Temperature Storage Life	JESD22-A103	Ta=150°C	1008 hrs	0/231
Preconditioning	J-STD-020 JESD-A113	MSL 1 @ 260 °C, Pre IOL, TC, uHAST, HAST for surface mount pkgs only		0/924
Intermittent Operating Life	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	15000 cyc	0/231
Temperature Cycling	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/231
Highly Accelerated Stress Test	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/231
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
Resistance to Solder Heat	JESD22- B106	Ta = 265°C, 10 sec Required for through hole devices only		0/30
Solderability	JSTD002	Ta = 245°C, 5 sec		0/45
Physical Dimensions	JESD22-B120			0/30

QV DEVICE NAME: SMMBT5551LT1G

RMS: L101386

PACKAGE: SOT-23

Test	Specification	Condition	Interval	Results
High Temperature Reverse Bias	JESD22-A108	Ta=150°C, 100% max rated V	1008 hrs	0/231
High Temperature Storage Life	JESD22-A103	Ta=150°C	1008 hrs	0/231
Preconditioning	J-STD-020 JESD-A113	MSL 1 @ 260 °C, Pre IOL, TC, uHAST, HAST for surface mount pkgs only		0/924
Intermittent Operating Life	MIL-STD-750 (M1037) AEC-Q101	Ta=+25°C, delta Tj=100°C On/off = 2 min	15000 cyc	0/231
Temperature Cycling	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/231
Highly Accelerated Stress Test	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/231
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
Resistance to Solder Heat	JESD22- B106	Ta = 265°C, 10 sec Required for through hole devices only		0/30
Solderability	JSTD002	Ta = 245°C, 5 sec		0/45
Physical Dimensions	JESD22-B120			0/30

List of Affected Standard 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**.

Current Part Number	New Part Number	Qualification Vehicle
SMMBTA42LT1G	SMMBTA42LT1G-NC	SMMBT5551LT1G
SMMBT3904LT3G	SMMBT3904LT3G-NC	SMMBT5551LT1G
SMMBT3904LT1G	SMMBT3904LT1G-NC	SMMBT5551LT1G
SMMUN2233LT1G	SMMUN2233LT1G-NC	SMMBT5551LT1G
SMMUN2213LT3G	SMMUN2213LT3G-NC	SMMBT5551LT1G
SMMUN2211LT3G	SMMUN2211LT3G-NC	SMMBT5551LT1G
SMMUN2211LT1G	SMMUN2211LT1G-NC	SMMBT5551LT1G
SMMUN2114LT1G	SMMUN2114LT1G-NC	SMMBT5551LT1G
SMMUN2113LT1G	SMMUN2113LT1G-NC	SMMBT5551LT1G
SMMUN2111LT1G	SMMUN2111LT1G-NC	SMMBT5551LT1G
SMMBT2222ALT1G	SMMBT2222ALT1G-NC	SMMBT5551LT1G
SMBT1294LT3G	SMBT1294LT3G-NC	SMMBT5551LT1G
SBC847CLT1G	SBC847CLT1G-NC	SMMBT5551LT1G
SBC847BLT1G	SBC847BLT1G-NC	SMMBT5551LT1G
SBC846BLT3G	SBC846BLT3G-NC	SMMBT5551LT1G
SBC846BLT1G	SBC846BLT1G-NC	SMMBT5551LT1G
SBC846ALT1G	SBC846ALT1G-NC	SMMBT5551LT1G
SBC817-40LT3G	SBC817-40LT3G-NC	SMMBT5551LT1G
SBC817-40LT1G	SBC817-40LT1G-NC	SMMBT5551LT1G
NSVMMUN2235LT1G	NSVMMUN2235LT1G-NC	SMMBT5551LT1G
NSVMMUN2212LT1G	NSVMMUN2212LT1G-NC	SMMBT5551LT1G
NSVMMUN2112LT1G	NSVMMUN2112LT1G-NC	SMMBT5551LT1G
SMMBT5551LT1G	SMMBT5551LT1G-NC	SMMBT5551LT1G
SZSM05T1G	SZSM05T1G-NC	SZMMBZ47VALT1G
SZMMBZ4252T1G	SZMMBZ4252T1G-NC	SZMMBZ47VALT1G
SZMMBZ27VALT1G	SZMMBZ27VALT1G-NC	SZMMBZ47VALT1G
SZMMBZ15VALT1G	SZMMBZ15VALT1G-NC	SZMMBZ47VALT1G
S3ZMMBZ18VALT1G	S3ZMMBZ18VALT1G-NC	SZMMBZ47VALT1G
SZMMBZ18VALT1G	SZMMBZ18VALT1G-NC	SZMMBZ47VALT1G
SZMMBZ33VALT1G	SZMMBZ33VALT1G-NC	SZMMBZ47VALT1G
SZMMBZ47VTALT1G-M02	SZMMBZ47VTALT1G-M02-NC	SZMMBZ47VALT1G