



Expertise Applied | Answers Delivered

Littelfuse, Inc.
8755 West Higgins Road, Suite 500
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May 14th, 2021

RE: LFPCN 41392 - TVS STD SMT package SMB and SMC die size standardization

To: Our Valued Customers

Littelfuse would like to notify you of standardizing die sizes for Commercial Grade TVS Diode surface mount package DO-214AA(SMB) and DO-214AB(SMC) to improve the manufacturability and assembly processes.

The form, fit, function, quality and reliability of the affected products will remain the same. The electrical performance and datasheet specifications of the affected products will remain unchanged. Package dimensions of the affected products will remain the same.

All affected products have been fully qualified in accordance with established performance and reliability criteria. Please see the attached documentation for qualification results, change details and affected part numbers.

Form, fit, function changes: None
Part number changes: None
Effective date: Aug 15th, 2021 and rolling change
Replacement products: N/A
Last time buy: N/A

This notification is for your information and acknowledgement. If you have any other questions or concerns, please contact your local sales team or product team below for further assistance.

We highly value your business and look forward to assisting you whenever possible.

Sincerely,

Jenny Chen
Assistant Product Marketing Manager
Commercial TVS Products
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800 E. Northwest Highway Des Plaines, IL 60016

Product/Process Change Notice (PCN)

PCN#: LFPCN #41392 **Date:** May 14th, 2021

Product Identification:
 Commercial Grade TVS Diode surface mount package DO-214AA(SMB) and DO-214AB(SMC)
Implementation Date for Change:
 Aug 15th, 2021 or rolling change

Contact Information

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Category of Change:

- Assembly Process
- Data Sheet
- Technology
- Discontinuance/Obsolescence
- Equipment
- Manufacturing Site
- Raw Material
- Testing
- Fabrication Process
- Other: _____

Description of Change:

Littelfuse would like to notify you of standardizing die sizes for Commercial Grade TVS Diode surface mount package DO-214AA(SMB) and DO-214AB(SMC) to improve the manufacturability and assembly processes. The form, fit, function, quality and reliability of the affected product will remain the same. The electrical performance and datasheet specifications of the affected products will remain unchanged. Package dimensions of the affected product will remain the same.

Important Dates:

- Qualification Samples Available: Available upon the request Last Time Buy:
- Final Qualification Data Available: Apr 26th 2021, included on the following pages
- Date of Final Product Shipment:

Method of Distinguishing Changed Product

- Product Mark,
- Date Code,
- Other,

Demonstrated or Anticipated Impact on Form, Fit, Function or Reliability:

N/A

LF Qualification Plan/Results:

Littelfuse Qualification Report is included on the following pages.

Customer Acknowledgement of Receipt: Littelfuse requests you acknowledge receipt of this PCN. In your acknowledgement, you can grant approval or request additional information. Littelfuse will assume the change is acceptable if no acknowledgement is received within 30 days of this notice. Lack of any additional response within 90 days of PCN issuance further constitutes acceptance of the change.



PCN Report

Prepared By : Ellen Zou- Product Engineer
Date : 4/26/2021
Device : SMB SMC Package Product
Revision : 1

1.0 Objective:

The purpose of this project is to qualify shrink die size to improve the manufacturability and assembly processes. Succeeding pages summarize the electrical and reliability test performed in qualification lots.

2.0 Assembly, Process & Material Differences/Changes:

3.1 Assembly and Process Changes

There are no significant changes in the assembly and process method.

3.2 Material Changes

There are no significant changes of material.

3.0 Packing Method

There will be no changes in the packing method.

4.0 Physical Differences/Changes:

There will be no changes.

5.0 Reliability Test Results Summary:

For SMB Results

Test Items	Condition	S/S	Results	ETR #
High Temperature, DC Blocking(HTRB)	Bias = VR, Ta = 150°C Duration = 1008 Hours	231	0/231	ETR152540
Temperature Cycle(TC)	Ta = -55°C to +150°C Duration = 1000 Cycles 15 minutes dwell	231	0/231	
High Temperature & Humidity with Bias(H3TRB)	Ta = 85°C, 85% RH Bias=VR Duration = 1008 Hours	231	0/231	
UHASt	Ta = 130°C, 85%RH, 2ATM Duration = 96 Hours	120	0/120	
Resistance to Solder Heat(RSH)	260°C, 10 seconds	90	0/90	
HTSL	HTSL@175C	231	0/231	



For SMC Results

Test Items	Condition	S/S	Results	ETR #
High Temperature, DC Blocking(HTRB)	Bias = VR, Ta = 150°C Duration = 1008 Hours	231	0/231	ETR152541
Temperature Cycle(TC)	Ta = -55°C to +150°C Duration = 1000 Cycles 15 minutes dwell	231	0/231	
High Temperature & Humidity with Bias(H3TRB)	Ta = 85°C, 85% RH Bias=VR Duration = 1008 Hours	231	0/231	
UHASt	Ta = 130°C, 85%RH, 2ATM Duration = 96 Hours	120	0/120	
Resistance to Solder Heat(RSH)	260°C, 10 seconds	90	0/90	
HTSL	HTSL@175C	231	0/231	

Remark:

1. Tests are conducted without a bias condition unless otherwise stated.
2. Reliability data from product tests that is representative of similar products having structural similarity, commonality of production processes and product technology will be generically applied to those products.
3. Tests are conducted on **SMBJ6.5A, SMBJ100A, P6SMB300CA, 1.5SMC8.2CA, 1.5SMC47CA, 1.5SMC300CA**, to cover different package and chip size products.

Estimate of Failure Rate, MTBF, FITS for a Given Operation Temperature

For SMB

Temp °C	% FR/khrs	MTBF (K)	FITS
30	0.00001	17490735	0.06
55	0.00011	947835	1.1
85	0.00204	49062	20.4
100	0.00749	13344	74.9
125	0.05278	1895	527.8
150	0.29514	339	2951.4

For SMC

Temp °C	% FR/khrs	MTBF (K)	FITS
30	0.00001	13118051	0.08
55	0.00014	710876	1.4
85	0.00272	36797	27.2
100	0.00999	10008	99.9
125	0.07037	1421	703.3
150	0.39351	254	3935

4. The **Mean-Time-Between-Failure (MTBF)** in hours and the percent failure rate per 1000 hours (%FR/khr) are computed at a 60% confidence level using the chi square method and the Arrhenius derating model for various junction operating temperatures. For the calculations, a value of 1 eV was used for the activation energy.



6.0 Electrical Characteristic Summary:

There is no change in electrical characteristics. Characterization data is available upon request.

Test Items	Condition	S/S	Results	ETR #
Parametric	V _{BR} , I _R , V _F	80	0/80	ETR151805 ETR153859
Surge Out test	+/- 1 hit, at 25°C from rated IPP, 0.1 IPP step	130	0/130	ETR153860 ETR152175 ETR152399
Surge Life test	+/- 1 hit, 30 hits, 1.0IPP	130	0/130	ETR151518 ETR154784

Detail Surge Test Summary:

Part No.	Package	ETR#	Surge out 10X1000us	Surge Life 10X1000us
SMBJ6.5A	DO-214AA	153859	1.2IPP	0/10
SMBJ100A	DO-214AA	151805	1.2IPP	0/10
P6SMB300CA	DO-214AA	152399	1.2IPP	0/10
1.5SMC8.2CA	DO-214AB	151518	1.3IPP	0/10
1.5SMC47CA	DO-214AB	151518	1.3IPP	0/10
1.5SMC300CA	DO-214AB	154784	1.2IPP	0/10

7.0 Changed Part Identification:

There is no Part used in affected products.

8.0 Recommendations & Conclusions:

Based on above results, it is determined that the shrink die is qualified for production of above listed Littelfuse products.

9.0 Approvals:

Jimmy Zeng
Sr. Engineering Manager
Littelfuse, Wuxi



10.0 Appendix I –Affected part number list

Affected Part Numbers	Package	Series
SMBJ5.0CA	DO-214AA/SMB	SMBJ
SMBJ5.0CA-23-TR70	DO-214AA/SMB	SMBJ
SMBJ5.0CA-KF	DO-214AA/SMB	SMBJ
SMBJ5.0CA-MD	DO-214AA/SMB	SMBJ
SMBJ5.0A	DO-214AA/SMB	SMBJ
SMBJ5.0A-012	DO-214AA/SMB	SMBJ
SMBJ5.0A-ER	DO-214AA/SMB	SMBJ
SMBJ5.0A-N	DO-214AA/SMB	SMBJ
SMBJ6.0CA	DO-214AA/SMB	SMBJ
SMBJ6.0CA-ER	DO-214AA/SMB	SMBJ
SMBJ6.0CA-GT3	DO-214AA/SMB	SMBJ
SMBJ6.0CA-KF	DO-214AA/SMB	SMBJ
SMBJ6.0A	DO-214AA/SMB	SMBJ
SMBJ6.0A-T7	DO-214AA/SMB	SMBJ
SMBJ6.5CA	DO-214AA/SMB	SMBJ
SMBJ6.5A	DO-214AA/SMB	SMBJ
HTVSB7.0CA-100	DO-214AA/SMB	SMBJ
SMBJ7.0CA	DO-214AA/SMB	SMBJ
SMBJ7.0A	DO-214AA/SMB	SMBJ
SMBJ7.0A-T7	DO-214AA/SMB	SMBJ
SMBJ7.5CA	DO-214AA/SMB	SMBJ
SMBJ7.5A	DO-214AA/SMB	SMBJ
SMBJ8.0CA	DO-214AA/SMB	SMBJ
SMBJ8.0A	DO-214AA/SMB	SMBJ
SMBJ8.5CA	DO-214AA/SMB	SMBJ
SMBJ8.5CA-KF	DO-214AA/SMB	SMBJ
SMBJ8.5CA-N	DO-214AA/SMB	SMBJ
SMBJ8.5A	DO-214AA/SMB	SMBJ
SMBJ9.0CA	DO-214AA/SMB	SMBJ
SMBJ9.0A	DO-214AA/SMB	SMBJ
SMBJ9.0A-23-TR70	DO-214AA/SMB	SMBJ
SMBJ10CA	DO-214AA/SMB	SMBJ
SMBJ10A	DO-214AA/SMB	SMBJ
SMBJ10A-23-TR70	DO-214AA/SMB	SMBJ
SMBJ11CA	DO-214AA/SMB	SMBJ
SMBJ11A	DO-214AA/SMB	SMBJ
SMBJ11CA-54	DO-214AA/SMB	SMBJ
SMBJ11CA-SA-GT3	DO-214AA/SMB	SMBJ
SMBJ11CA-SA-GT3R	DO-214AA/SMB	SMBJ
SMBJ12CA	DO-214AA/SMB	SMBJ
SMBJ12CA-N	DO-214AA/SMB	SMBJ
SMBJ12A	DO-214AA/SMB	SMBJ
SMBJ12A-54T7	DO-214AA/SMB	SMBJ
SMBJ12CA-SA-GT3	DO-214AA/SMB	SMBJ
SMBJ12CA-SA-GT3R	DO-214AA/SMB	SMBJ
SMBJ13CA	DO-214AA/SMB	SMBJ
SMBJ13A	DO-214AA/SMB	SMBJ
SMBJ13A-015	DO-214AA/SMB	SMBJ
SMBJ13A-C	DO-214AA/SMB	SMBJ
SMBJ14CA	DO-214AA/SMB	SMBJ
SMBJ14CA-23-TR70	DO-214AA/SMB	SMBJ

Affected Part Numbers	Package	Series
SMBJ60CA	DO-214AA/SMB	SMBJ
SMBJ60A	DO-214AA/SMB	SMBJ
SMBJ64CA	DO-214AA/SMB	SMBJ
SMBJ64A	DO-214AA/SMB	SMBJ
SMBJ64A-ER	DO-214AA/SMB	SMBJ
SMBJ64A-ER1	DO-214AA/SMB	SMBJ
SMBJ70CA	DO-214AA/SMB	SMBJ
SMBJ70CA-23-TR70	DO-214AA/SMB	SMBJ
SMBJ70CA-ER	DO-214AA/SMB	SMBJ
SMBJ70CA-T7	DO-214AA/SMB	SMBJ
SMBJ70A	DO-214AA/SMB	SMBJ
SMBJ70A-N	DO-214AA/SMB	SMBJ
SMBJ70A-37	DO-214AA/SMB	SMBJ
SMBJ75A-54T7	DO-214AA/SMB	SMBJ
SMBJ75CA	DO-214AA/SMB	SMBJ
SMBJ75CA-23-TR70	DO-214AA/SMB	SMBJ
SMBJ78CA	DO-214AA/SMB	SMBJ
SMBJ85CA	DO-214AA/SMB	SMBJ
SMBJ85CA-23-TR70	DO-214AA/SMB	SMBJ
SMBJ85CA-ER	DO-214AA/SMB	SMBJ
SMBJ90CA	DO-214AA/SMB	SMBJ
SMBJ90A	DO-214AA/SMB	SMBJ
SMBJ100CA	DO-214AA/SMB	SMBJ
SMBJ100CA-N	DO-214AA/SMB	SMBJ
SMBJ100A	DO-214AA/SMB	SMBJ
SMBJ100A-ER	DO-214AA/SMB	SMBJ
SMBJ110CA	DO-214AA/SMB	SMBJ
SMBJ110CA-ER	DO-214AA/SMB	SMBJ
SMBJ120CA	DO-214AA/SMB	SMBJ
SMBJ120CA-ER	DO-214AA/SMB	SMBJ
SMBJ120A-23-TR70	DO-214AA/SMB	SMBJ
SMBJ130CA	DO-214AA/SMB	SMBJ
SMBJ150CA	DO-214AA/SMB	SMBJ
SMBJ160CA	DO-214AA/SMB	SMBJ
SMBJ170CA	DO-214AA/SMB	SMBJ
SMBJ180CA	DO-214AA/SMB	SMBJ
SMBJ180A	DO-214AA/SMB	SMBJ
SMBJ188CA	DO-214AA/SMB	SMBJ
SMBJ188A	DO-214AA/SMB	SMBJ
SMBJ200CA	DO-214AA/SMB	SMBJ
SMBJ200A	DO-214AA/SMB	SMBJ
SMBJ220CA	DO-214AA/SMB	SMBJ
SMBJ220A	DO-214AA/SMB	SMBJ
SMBJ220A-L	DO-214AA/SMB	SMBJ
SMBJ250CA	DO-214AA/SMB	SMBJ
SMBJ250A	DO-214AA/SMB	SMBJ
P6SMB51A-23-RG70	DO-214AA/SMB	P6SMB
P6SMB68A-100	DO-214AA/SMB	P6SMB
P6SMB75A-N	DO-214AA/SMB	P6SMB
P6SMB6.8CA	DO-214AA/SMB	P6SMB



SMBJ14A	DO-214AA/SMB	SMBJ
SMBJ14A-23-RG70	DO-214AA/SMB	SMBJ
SMBJ15CA	DO-214AA/SMB	SMBJ
SMBJ15CA-ER	DO-214AA/SMB	SMBJ
SMBJ15CA-KF	DO-214AA/SMB	SMBJ
SMBJ15A	DO-214AA/SMB	SMBJ
SMBJ15A-23-TR70	DO-214AA/SMB	SMBJ
SMBJ15A-37	DO-214AA/SMB	SMBJ
SMBJ15A-N	DO-214AA/SMB	SMBJ
SMBJ16CA	DO-214AA/SMB	SMBJ
SMBJ16CA-23-RG70	DO-214AA/SMB	SMBJ
SMBJ16CA-23-TR70	DO-214AA/SMB	SMBJ
SMBJ16CA-JM	DO-214AA/SMB	SMBJ
SMBJ16A	DO-214AA/SMB	SMBJ
SMBJ16A-23-TR70	DO-214AA/SMB	SMBJ
SMBJ17CA	DO-214AA/SMB	SMBJ
SMBJ17CA-23-TR70	DO-214AA/SMB	SMBJ
SMBJ17A	DO-214AA/SMB	SMBJ
SMBJ17A-100	DO-214AA/SMB	SMBJ
SMBJ17A-23-RG70	DO-214AA/SMB	SMBJ
SMBJ17A-23-TR70	DO-214AA/SMB	SMBJ
SMBJ18CA	DO-214AA/SMB	SMBJ
SMBJ18CA-23-TR70	DO-214AA/SMB	SMBJ
SMBJ18CA-ER	DO-214AA/SMB	SMBJ
SMBJ18A	DO-214AA/SMB	SMBJ
SMBJ18A-23-TR70	DO-214AA/SMB	SMBJ
SMBJ18A-37	DO-214AA/SMB	SMBJ
SMBJ20CA	DO-214AA/SMB	SMBJ
SMBJ20CA-SA-GT3	DO-214AA/SMB	SMBJ
SMBJ20CA-SA-GT3R	DO-214AA/SMB	SMBJ
SMBJ20A	DO-214AA/SMB	SMBJ
SMBJ22CA	DO-214AA/SMB	SMBJ
SMBJ22CA-23-TR70	DO-214AA/SMB	SMBJ
SMBJ22A	DO-214AA/SMB	SMBJ
SMBJ22A-23-TR70	DO-214AA/SMB	SMBJ
SMBJ24CA	DO-214AA/SMB	SMBJ
SMBJ24CA-23-RG30	DO-214AA/SMB	SMBJ
SMBJ24CA-23-RG70	DO-214AA/SMB	SMBJ
SMBJ24CA-23-TR30	DO-214AA/SMB	SMBJ
SMBJ24CA-23-TR70	DO-214AA/SMB	SMBJ
SMBJ24A	DO-214AA/SMB	SMBJ
SMBJ24A-37	DO-214AA/SMB	SMBJ
SMBJ26CA	DO-214AA/SMB	SMBJ
SMBJ26CA-54	DO-214AA/SMB	SMBJ
SMBJ26CA-54T7	DO-214AA/SMB	SMBJ
SMBJ26A	DO-214AA/SMB	SMBJ
SMBJ26A-23-TR70	DO-214AA/SMB	SMBJ
SMBJ28CA	DO-214AA/SMB	SMBJ
SMBJ28CA-23-TR70	DO-214AA/SMB	SMBJ
SMBJ28CA-ER	DO-214AA/SMB	SMBJ
SMBJ28A	DO-214AA/SMB	SMBJ
SMBJ30CA	DO-214AA/SMB	SMBJ
SMBJ30CA-23-TR70	DO-214AA/SMB	SMBJ
SMBJ30A	DO-214AA/SMB	SMBJ
SMBJ33CA	DO-214AA/SMB	SMBJ
SMBJ33CA-0028	DO-214AA/SMB	SMBJ

P6SMB6.8CA-N	DO-214AA/SMB	P6SMB
P6SMB6.8A	DO-214AA/SMB	P6SMB
P6SMB7.5CA	DO-214AA/SMB	P6SMB
P6SMB7.5A	DO-214AA/SMB	P6SMB
P6SMB8.2CA	DO-214AA/SMB	P6SMB
P6SMB8.2A	DO-214AA/SMB	P6SMB
P6SMB9.1CA	DO-214AA/SMB	P6SMB
P6SMB9.1A	DO-214AA/SMB	P6SMB
P6SMB10CA	DO-214AA/SMB	P6SMB
P6SMB10A	DO-214AA/SMB	P6SMB
P6SMB11CA	DO-214AA/SMB	P6SMB
P6SMB11A	DO-214AA/SMB	P6SMB
P6SMB12CA	DO-214AA/SMB	P6SMB
P6SMB12A	DO-214AA/SMB	P6SMB
P6SMB13CA	DO-214AA/SMB	P6SMB
P6SMB13A	DO-214AA/SMB	P6SMB
P6SMB15CA	DO-214AA/SMB	P6SMB
P6SMB15CA-HW	DO-214AA/SMB	P6SMB
P6SMB15A	DO-214AA/SMB	P6SMB
P6SMB16CA	DO-214AA/SMB	P6SMB
P6SMB16A	DO-214AA/SMB	P6SMB
P6SMB18CA	DO-214AA/SMB	P6SMB
P6SMB18A	DO-214AA/SMB	P6SMB
P6SMB20CA	DO-214AA/SMB	P6SMB
P6SMB20A	DO-214AA/SMB	P6SMB
P6SMB22CA	DO-214AA/SMB	P6SMB
P6SMB22A	DO-214AA/SMB	P6SMB
P6SMB24CA	DO-214AA/SMB	P6SMB
P6SMB24A	DO-214AA/SMB	P6SMB
P6SMB27CA	DO-214AA/SMB	P6SMB
P6SMB27CAAUTO	DO-214AA/SMB	P6SMB
P6SMB27A	DO-214AA/SMB	P6SMB
P6SMB30CA	DO-214AA/SMB	P6SMB
P6SMB30A	DO-214AA/SMB	P6SMB
P6SMB33CA	DO-214AA/SMB	P6SMB
P6SMB33A	DO-214AA/SMB	P6SMB
P6SMB36CA	DO-214AA/SMB	P6SMB
P6SMB36CAAUTO	DO-214AA/SMB	P6SMB
P6SMB36A	DO-214AA/SMB	P6SMB
P6SMB39CA	DO-214AA/SMB	P6SMB
P6SMB39CAAUTO	DO-214AA/SMB	P6SMB
P6SMB39A	DO-214AA/SMB	P6SMB
P6SMB43CA	DO-214AA/SMB	P6SMB
P6SMB43A	DO-214AA/SMB	P6SMB
P6SMB47CA	DO-214AA/SMB	P6SMB
P6SMB47A	DO-214AA/SMB	P6SMB
P6SMB51CA	DO-214AA/SMB	P6SMB
P6SMB51A	DO-214AA/SMB	P6SMB
P6SMB56CA	DO-214AA/SMB	P6SMB
P6SMB56A	DO-214AA/SMB	P6SMB
P6SMB58CA	DO-214AA/SMB	P6SMB
P6SMB58A	DO-214AA/SMB	P6SMB
P6SMB62CA	DO-214AA/SMB	P6SMB
P6SMB62A	DO-214AA/SMB	P6SMB
P6SMB68CA	DO-214AA/SMB	P6SMB
P6SMB68A	DO-214AA/SMB	P6SMB



SMBJ33CA-23-TR70	DO-214AA/SMB	SMBJ
SMBJ33CA-80	DO-214AA/SMB	SMBJ
SMBJ33CA-GT3	DO-214AA/SMB	SMBJ
SMBJ33A	DO-214AA/SMB	SMBJ
SMBJ33A-T7	DO-214AA/SMB	SMBJ
SMBJ33A-014	DO-214AA/SMB	SMBJ
SMBJ36A-GT3	DO-214AA/SMB	SMBJ
SMBJ36A-23-RG70	DO-214AA/SMB	SMBJ
SMBJ36A-23-TR70	DO-214AA/SMB	SMBJ
SMBJ36CA	DO-214AA/SMB	SMBJ
SMBJ36CA-23-TR30	DO-214AA/SMB	SMBJ
SMBJ36CA-23-TR70	DO-214AA/SMB	SMBJ
SMBJ36CA-54T7	DO-214AA/SMB	SMBJ
SMBJ36A	DO-214AA/SMB	SMBJ
SMBJ40CA	DO-214AA/SMB	SMBJ
SMBJ40CA-23-TR70	DO-214AA/SMB	SMBJ
SMBJ40CA-37	DO-214AA/SMB	SMBJ
SMBJ40A	DO-214AA/SMB	SMBJ
SMBJ43CA	DO-214AA/SMB	SMBJ
SMBJ43A	DO-214AA/SMB	SMBJ
SMBJ45CA	DO-214AA/SMB	SMBJ
SMBJ45CA-23-TR70	DO-214AA/SMB	SMBJ
SMBJ45CA-SA-GT3	DO-214AA/SMB	SMBJ
SMBJ45CA-SA-GT3R	DO-214AA/SMB	SMBJ
SMBJ45A	DO-214AA/SMB	SMBJ
SMBJ45A-54	DO-214AA/SMB	SMBJ
SMBJ48CA	DO-214AA/SMB	SMBJ
SMBJ48CA-23-TR70	DO-214AA/SMB	SMBJ
SMBJ48A	DO-214AA/SMB	SMBJ
SMBJ48A-23-RG70	DO-214AA/SMB	SMBJ
SMBJ48A-23-TR70	DO-214AA/SMB	SMBJ
SMBJ48A-SA-GT3	DO-214AA/SMB	SMBJ
SMBJ48A-SA-GT3R	DO-214AA/SMB	SMBJ
SMBJ51A-23-TR70	DO-214AA/SMB	SMBJ
SMBJ51CA	DO-214AA/SMB	SMBJ
SMBJ51CA-23-TR70	DO-214AA/SMB	SMBJ
SMBJ51A	DO-214AA/SMB	SMBJ
SMBJ54CA	DO-214AA/SMB	SMBJ
SMBJ54A	DO-214AA/SMB	SMBJ
SMBJ58CA	DO-214AA/SMB	SMBJ
SMBJ58CA-23-TR70	DO-214AA/SMB	SMBJ
SMBJ58CA-37	DO-214AA/SMB	SMBJ
SMBJ58CA-ER	DO-214AA/SMB	SMBJ
SMBJ58A	DO-214AA/SMB	SMBJ
SMBJ58A-ER	DO-214AA/SMB	SMBJ

P6SMB75CA	DO-214AA/SMB	P6SMB
P6SMB75A	DO-214AA/SMB	P6SMB
P6SMB82CA	DO-214AA/SMB	P6SMB
P6SMB82A	DO-214AA/SMB	P6SMB
P6SMB91CA	DO-214AA/SMB	P6SMB
P6SMB100CA	DO-214AA/SMB	P6SMB
P6SMB100A	DO-214AA/SMB	P6SMB
P6SMB110CA	DO-214AA/SMB	P6SMB
P6SMB110A	DO-214AA/SMB	P6SMB
P6SMB120CA	DO-214AA/SMB	P6SMB
P6SMB130CA	DO-214AA/SMB	P6SMB
P6SMB150CA	DO-214AA/SMB	P6SMB
P6SMB160CA	DO-214AA/SMB	P6SMB
P6SMB170CA	DO-214AA/SMB	P6SMB
P6SMB180CA	DO-214AA/SMB	P6SMB
P6SMB200CA	DO-214AA/SMB	P6SMB
P6SMB220CA	DO-214AA/SMB	P6SMB
P6SMB220A	DO-214AA/SMB	P6SMB
P6SMB220A-SCH	DO-214AA/SMB	P6SMB
P6SMB250CA	DO-214AA/SMB	P6SMB
P6SMB250A	DO-214AA/SMB	P6SMB
P6SMB250A-TC1	DO-214AA/SMB	P6SMB
P6SMB300CA	DO-214AA/SMB	P6SMB
P6SMB300A	DO-214AA/SMB	P6SMB
P6SMB300A-SCH	DO-214AA/SMB	P6SMB
P6SMB8V2CA	DO-214AA/SMB	P6SMB

1KSMB10CA	DO-214AA/SMB	1KSMB
1KSMB11CA	DO-214AA/SMB	1KSMB
1KSMB12CA	DO-214AA/SMB	1KSMB
1KSMB13CA	DO-214AA/SMB	1KSMB
1KSMB15CA	DO-214AA/SMB	1KSMB
1KSMB16CA	DO-214AA/SMB	1KSMB
1KSMB18CA	DO-214AA/SMB	1KSMB
1KSMB20CA	DO-214AA/SMB	1KSMB
1KSMB22CA	DO-214AA/SMB	1KSMB
1KSMB24CA	DO-214AA/SMB	1KSMB
1KSMB27CA	DO-214AA/SMB	1KSMB
1KSMB30CA	DO-214AA/SMB	1KSMB
1KSMB33CA	DO-214AA/SMB	1KSMB
1KSMB36CA	DO-214AA/SMB	1KSMB
1KSMB39CA	DO-214AA/SMB	1KSMB
1KSMB43CA	DO-214AA/SMB	1KSMB
1KSMB47CA	DO-214AA/SMB	1KSMB

Affected Part Numbers	Package	Series
SMCJ5.0CA	DO-214AB/SMC	SMCJ
SMCJ5.0CAS-GT3	DO-214AB/SMC	SMCJ
SMCJ5.0CAS-GT7	DO-214AB/SMC	SMCJ
SMCJ6.0CA	DO-214AB/SMC	SMCJ
SMCJ6.0CA-23-TR71	DO-214AB/SMC	SMCJ
SMCJ6.5CA	DO-214AB/SMC	SMCJ
SMCJ6.5CA-23-TR71	DO-214AB/SMC	SMCJ
SMCJ6.5CA-ER	DO-214AB/SMC	SMCJ
SMCJ6.5CA-ER1	DO-214AB/SMC	SMCJ
SMCJ6.5CA-ER2	DO-214AB/SMC	SMCJ
SMCJ6.5CAS-GT3	DO-214AB/SMC	SMCJ
SMCJ6.5CAS-GT7	DO-214AB/SMC	SMCJ
SMCJ7.0CA	DO-214AB/SMC	SMCJ
SMCJ7.0CA-23-RG71	DO-214AB/SMC	SMCJ
SMCJ7.0CA-23-TR71	DO-214AB/SMC	SMCJ
SMCJ7.5CA	DO-214AB/SMC	SMCJ
SMCJ8.0CA	DO-214AB/SMC	SMCJ
SMCJ8.0CA-ER	DO-214AB/SMC	SMCJ
SMCJ8.5CA	DO-214AB/SMC	SMCJ
SMCJ8.5CA-23-RG71	DO-214AB/SMC	SMCJ
SMCJ9.0CA	DO-214AB/SMC	SMCJ
SMCJ10CA	DO-214AB/SMC	SMCJ
SMCJ10CA-GT3	DO-214AB/SMC	SMCJ
SMCJ10CA-GT3R	DO-214AB/SMC	SMCJ
SMCJ10CA-SA-GT3	DO-214AB/SMC	SMCJ
SMCJ10CA-SA-GT3R	DO-214AB/SMC	SMCJ
SMCJ10CAS-GT3	DO-214AB/SMC	SMCJ
SMCJ10CAS-GT7	DO-214AB/SMC	SMCJ
SMCJ11CA	DO-214AB/SMC	SMCJ
SMCJ11CA-SA-GT3	DO-214AB/SMC	SMCJ
SMCJ11CA-SA-GT3R	DO-214AB/SMC	SMCJ
SMCJ12CA	DO-214AB/SMC	SMCJ
SMCJ12CA-ER	DO-214AB/SMC	SMCJ
SMCJ12CA-N	DO-214AB/SMC	SMCJ
SMCJ13CA	DO-214AB/SMC	SMCJ
SMCJ14CA	DO-214AB/SMC	SMCJ
SMCJ15CA	DO-214AB/SMC	SMCJ
SMCJ15CA-ZG	DO-214AB/SMC	SMCJ
SMCJ16CA	DO-214AB/SMC	SMCJ
SMCJ17CA	DO-214AB/SMC	SMCJ
SMCJ17CA-23-RG71	DO-214AB/SMC	SMCJ
SMCJ17CA-23-TR71	DO-214AB/SMC	SMCJ
SMCJ17CAS-GT3	DO-214AB/SMC	SMCJ
SMCJ17CAS-GT7	DO-214AB/SMC	SMCJ
SMCJ18CA	DO-214AB/SMC	SMCJ
SMCJ18CA-23-TR71	DO-214AB/SMC	SMCJ
SMCJ18CA-GT3	DO-214AB/SMC	SMCJ
SMCJ18CA-GT3R	DO-214AB/SMC	SMCJ
SMCJ18CA-SA-GT3	DO-214AB/SMC	SMCJ
SMCJ18CA-SA-GT3R	DO-214AB/SMC	SMCJ
SMCJ18CAS-GT3	DO-214AB/SMC	SMCJ
SMCJ18CAS-GT7	DO-214AB/SMC	SMCJ
SMCJ20CA	DO-214AB/SMC	SMCJ

Affected Part Numbers	Package	Series
SMCJ220CA	DO-214AB/SMC	SMCJ
SMCJ220A	DO-214AB/SMC	SMCJ
SMCJ250CA	DO-214AB/SMC	SMCJ
SMCJ250A	DO-214AB/SMC	SMCJ

1.5SMC6.8CA	DO-214AB/SMC	1.5SMC
1.5SMC7.5CA	DO-214AB/SMC	1.5SMC
1.5SMC8.2CA	DO-214AB/SMC	1.5SMC
1.5SMC9.1CA	DO-214AB/SMC	1.5SMC
1.5SMC10CA	DO-214AB/SMC	1.5SMC
1.5SMC11CA	DO-214AB/SMC	1.5SMC
1.5SMC12CA	DO-214AB/SMC	1.5SMC
1.5SMC13CA	DO-214AB/SMC	1.5SMC
1.5SMC15CA	DO-214AB/SMC	1.5SMC
1.5SMC16CA	DO-214AB/SMC	1.5SMC
1.5SMC16CA-54	DO-214AB/SMC	1.5SMC
1.5SMC16CA-54T7	DO-214AB/SMC	1.5SMC
1.5SMC18CA	DO-214AB/SMC	1.5SMC
1.5SMC18CA-23-TR71	DO-214AB/SMC	1.5SMC
1.5SMC20CA	DO-214AB/SMC	1.5SMC
1.5SMC22CA	DO-214AB/SMC	1.5SMC
1.5SMC24CA	DO-214AB/SMC	1.5SMC
1.5SMC27CA	DO-214AB/SMC	1.5SMC
1.5SMC30CA	DO-214AB/SMC	1.5SMC
1.5SMC33CA	DO-214AB/SMC	1.5SMC
1.5SMC36CA	DO-214AB/SMC	1.5SMC
1.5SMC39CA	DO-214AB/SMC	1.5SMC
1.5SMC43CA	DO-214AB/SMC	1.5SMC
1.5SMC47CA	DO-214AB/SMC	1.5SMC
1.5SMC51CA	DO-214AB/SMC	1.5SMC
1.5SMC56CA	DO-214AB/SMC	1.5SMC
1.5SMC62CA	DO-214AB/SMC	1.5SMC
1.5SMC62CA-SOE	DO-214AB/SMC	1.5SMC
1.5SMC68CA	DO-214AB/SMC	1.5SMC
1.5SMC75CA	DO-214AB/SMC	1.5SMC
1.5SMC82CA	DO-214AB/SMC	1.5SMC
1.5SMC91CA	DO-214AB/SMC	1.5SMC
1.5SMC100CA	DO-214AB/SMC	1.5SMC
1.5SMC110CA	DO-214AB/SMC	1.5SMC
1.5SMC120CA	DO-214AB/SMC	1.5SMC
1.5SMC130CA	DO-214AB/SMC	1.5SMC
1.5SMC150CA	DO-214AB/SMC	1.5SMC
1.5SMC160CA	DO-214AB/SMC	1.5SMC
1.5SMC170CA	DO-214AB/SMC	1.5SMC
1.5SMC180CA	DO-214AB/SMC	1.5SMC
1.5SMC200CA	DO-214AB/SMC	1.5SMC
1.5SMC220CA	DO-214AB/SMC	1.5SMC
1.5SMC220A	DO-214AB/SMC	1.5SMC
1.5SMC250CA	DO-214AB/SMC	1.5SMC
1.5SMC250A	DO-214AB/SMC	1.5SMC
1.5SMC300CA	DO-214AB/SMC	1.5SMC
1.5SMC300CA-54T7	DO-214AB/SMC	1.5SMC
1.5SMC300A	DO-214AB/SMC	1.5SMC

SMCJ20CA-23-TR71	DO-214AB/SMC	SMCJ
SMCJ22CA	DO-214AB/SMC	SMCJ
SMCJ24CA	DO-214AB/SMC	SMCJ
SMCJ24CA-23-TR71	DO-214AB/SMC	SMCJ
SMCJ24CA-GR-GT3	DO-214AB/SMC	SMCJ
SMCJ24CA-GR-GT3R	DO-214AB/SMC	SMCJ
SMCJ24CAS-GR-GT3	DO-214AB/SMC	SMCJ
SMCJ24CAS-GR-GT7	DO-214AB/SMC	SMCJ
SMCJ26CA	DO-214AB/SMC	SMCJ
SMCJ26CA-SA-GT3	DO-214AB/SMC	SMCJ
SMCJ26CA-SA-GT3R	DO-214AB/SMC	SMCJ
SMCJ28CA	DO-214AB/SMC	SMCJ
SMCJ30CA	DO-214AB/SMC	SMCJ
SMCJ33CA	DO-214AB/SMC	SMCJ
SMCJ36CA	DO-214AB/SMC	SMCJ
SMCJ36CA-54T7	DO-214AB/SMC	SMCJ
SMCJ36CA-N	DO-214AB/SMC	SMCJ
SMCJ40CA	DO-214AB/SMC	SMCJ
SMCJ40CA-23-TR71	DO-214AB/SMC	SMCJ
SMCJ40CA-SA-GT3	DO-214AB/SMC	SMCJ
SMCJ40CA-SA-GT3R	DO-214AB/SMC	SMCJ
SMCJ40CAS-GT3	DO-214AB/SMC	SMCJ
SMCJ40CAS-GT7	DO-214AB/SMC	SMCJ
SMCJ43CA	DO-214AB/SMC	SMCJ
SMCJ43CA-SA-GT3	DO-214AB/SMC	SMCJ
SMCJ43CA-SA-GT3R	DO-214AB/SMC	SMCJ
SMCJ45CA	DO-214AB/SMC	SMCJ
SMCJ48CA	DO-214AB/SMC	SMCJ
SMCJ48CAS-GT3	DO-214AB/SMC	SMCJ
SMCJ48CAS-GT7	DO-214AB/SMC	SMCJ
SMCJ51CA	DO-214AB/SMC	SMCJ
SMCJ51CA-23-TR71	DO-214AB/SMC	SMCJ
SMCJ54CA	DO-214AB/SMC	SMCJ
SMCJ58CA	DO-214AB/SMC	SMCJ
SMCJ60CA	DO-214AB/SMC	SMCJ
SMCJ60CA-23-RG71	DO-214AB/SMC	SMCJ
SMCJ60CA-ER	DO-214AB/SMC	SMCJ
SMCJ60CAS-GT3	DO-214AB/SMC	SMCJ
SMCJ60CAS-GT7	DO-214AB/SMC	SMCJ
SMCJ64CA	DO-214AB/SMC	SMCJ
SMCJ64CA-ER	DO-214AB/SMC	SMCJ
SMCJ64CA-N	DO-214AB/SMC	SMCJ
SMCJ64CAS-GT3	DO-214AB/SMC	SMCJ
SMCJ64CAS-GT7	DO-214AB/SMC	SMCJ
SMCJ70CA	DO-214AB/SMC	SMCJ
SMCJ75CA	DO-214AB/SMC	SMCJ
SMCJ75CA-23-TR71	DO-214AB/SMC	SMCJ
SMCJ75CA-ER	DO-214AB/SMC	SMCJ
SMCJ78CA	DO-214AB/SMC	SMCJ
SMCJ78CA-N	DO-214AB/SMC	SMCJ
SMCJ85CA	DO-214AB/SMC	SMCJ
SMCJ85CA-23-TR71	DO-214AB/SMC	SMCJ
SMCJ90CA	DO-214AB/SMC	SMCJ
SMCJ100CA	DO-214AB/SMC	SMCJ
SMCJ110CA	DO-214AB/SMC	SMCJ
SMCJ120CA	DO-214AB/SMC	SMCJ

SMDJ5.0CA	DO-214AB/SMC	SMDJ
SMDJ6.0CA	DO-214AB/SMC	SMDJ
SMDJ6.5CA	DO-214AB/SMC	SMDJ
SMDJ7.0CA	DO-214AB/SMC	SMDJ
SMDJ7.5CA	DO-214AB/SMC	SMDJ
SMDJ8.0CA	DO-214AB/SMC	SMDJ
SMDJ8.5CA	DO-214AB/SMC	SMDJ
SMDJ9.0CA	DO-214AB/SMC	SMDJ
SMDJ10CA	DO-214AB/SMC	SMDJ
SMDJ11CA	DO-214AB/SMC	SMDJ
SMDJ12CA	DO-214AB/SMC	SMDJ
SMDJ13CA	DO-214AB/SMC	SMDJ
SMDJ14CA	DO-214AB/SMC	SMDJ
SMDJ15CA	DO-214AB/SMC	SMDJ
SMDJ16CA	DO-214AB/SMC	SMDJ
SMDJ17CA	DO-214AB/SMC	SMDJ
SMDJ18CA	DO-214AB/SMC	SMDJ
SMDJ20CA	DO-214AB/SMC	SMDJ
SMDJ22CA	DO-214AB/SMC	SMDJ
SMDJ24CA	DO-214AB/SMC	SMDJ
SMDJ26CA	DO-214AB/SMC	SMDJ
SMDJ28CA	DO-214AB/SMC	SMDJ
SMDJ30CA	DO-214AB/SMC	SMDJ
SMDJ33CA	DO-214AB/SMC	SMDJ
SMDJ36CA	DO-214AB/SMC	SMDJ
SMDJ40CA	DO-214AB/SMC	SMDJ
SMDJ43CA	DO-214AB/SMC	SMDJ
SMDJ45CA	DO-214AB/SMC	SMDJ
SMDJ48CA	DO-214AB/SMC	SMDJ
SMDJ51CA	DO-214AB/SMC	SMDJ
SMDJ54CA	DO-214AB/SMC	SMDJ
SMDJ58CA	DO-214AB/SMC	SMDJ
SMDJ180A	DO-214AB/SMC	SMDJ
SMDJ5.0CA-T7	DO-214AB/SMC	SMDJ
SMDJ6.0CA-T7	DO-214AB/SMC	SMDJ
SMDJ6.5CA-T7	DO-214AB/SMC	SMDJ
SMDJ7.0CA-T7	DO-214AB/SMC	SMDJ
SMDJ7.5CA-T7	DO-214AB/SMC	SMDJ
SMDJ8.0CA-T7	DO-214AB/SMC	SMDJ
SMDJ8.5CA-T7	DO-214AB/SMC	SMDJ
SMDJ9.0CA-T7	DO-214AB/SMC	SMDJ
SMDJ10CA-T7	DO-214AB/SMC	SMDJ
SMDJ11CA-T7	DO-214AB/SMC	SMDJ
SMDJ12CA-T7	DO-214AB/SMC	SMDJ
SMDJ13CA-T7	DO-214AB/SMC	SMDJ
SMDJ14CA-T7	DO-214AB/SMC	SMDJ
SMDJ15CA-T7	DO-214AB/SMC	SMDJ
SMDJ16CA-T7	DO-214AB/SMC	SMDJ
SMDJ17CA-T7	DO-214AB/SMC	SMDJ
SMDJ18CA-T7	DO-214AB/SMC	SMDJ
SMDJ20CA-T7	DO-214AB/SMC	SMDJ
SMDJ22CA-T7	DO-214AB/SMC	SMDJ
SMDJ24CA-T7	DO-214AB/SMC	SMDJ
SMDJ26CA-T7	DO-214AB/SMC	SMDJ
SMDJ28CA-T7	DO-214AB/SMC	SMDJ



SMCJ130CA	DO-214AB/SMC	SMCJ
SMCJ150CA	DO-214AB/SMC	SMCJ
SMCJ150CA-SA-GT3	DO-214AB/SMC	SMCJ
SMCJ160CA	DO-214AB/SMC	SMCJ
SMCJ170CA	DO-214AB/SMC	SMCJ
SMCJ170CA-SA-GT3	DO-214AB/SMC	SMCJ
SMCJ180CA	DO-214AB/SMC	SMCJ
SMCJ180A	DO-214AB/SMC	SMCJ
SMCJ200CA	DO-214AB/SMC	SMCJ
SMCJ200CA-SF	DO-214AB/SMC	SMCJ
SMCJ200A	DO-214AB/SMC	SMCJ
SMCJ200A-SF	DO-214AB/SMC	SMCJ

SMDJ30CA-T7	DO-214AB/SMC	SMDJ
SMDJ33CA-T7	DO-214AB/SMC	SMDJ
SMDJ36CA-T7	DO-214AB/SMC	SMDJ
SMDJ40CA-T7	DO-214AB/SMC	SMDJ
SMDJ43CA-T7	DO-214AB/SMC	SMDJ
SMDJ45CA-T7	DO-214AB/SMC	SMDJ
SMDJ48CA-T7	DO-214AB/SMC	SMDJ
SMDJ51CA-T7	DO-214AB/SMC	SMDJ
SMDJ54CA-T7	DO-214AB/SMC	SMDJ
SMDJ58CA-T7	DO-214AB/SMC	SMDJ
SMDJ180A-T7	DO-214AB/SMC	SMDJ

LFPCN41392 Affected Part Numbers	Package Type	Series
1KSMB22CA	DO-214AA/SMB	1KSMB
1KSMB24CA	DO-214AA/SMB	1KSMB
1KSMB27CA	DO-214AA/SMB	1KSMB
1KSMB30CA	DO-214AA/SMB	1KSMB
1KSMB33CA	DO-214AA/SMB	1KSMB
1KSMB36CA	DO-214AA/SMB	1KSMB
1KSMB39CA	DO-214AA/SMB	1KSMB
1KSMB43CA	DO-214AA/SMB	1KSMB
1KSMB47CA	DO-214AA/SMB	1KSMB
1KSMB10CA	DO-214AA/SMB	1KSMB
1KSMB11CA	DO-214AA/SMB	1KSMB
1KSMB12CA	DO-214AA/SMB	1KSMB
1KSMB13CA	DO-214AA/SMB	1KSMB
1KSMB15CA	DO-214AA/SMB	1KSMB
1KSMB16CA	DO-214AA/SMB	1KSMB
1KSMB18CA	DO-214AA/SMB	1KSMB
1KSMB20CA	DO-214AA/SMB	1KSMB
P6SMB6.8A	DO-214AA/SMB	P6SMB
P6SMB7.5A	DO-214AA/SMB	P6SMB
P6SMB8.2A	DO-214AA/SMB	P6SMB
P6SMB9.1A	DO-214AA/SMB	P6SMB
P6SMB6.8CA	DO-214AA/SMB	P6SMB
P6SMB7.5CA	DO-214AA/SMB	P6SMB
P6SMB8.2CA	DO-214AA/SMB	P6SMB
P6SMB9.1CA	DO-214AA/SMB	P6SMB
P6SMB10A	DO-214AA/SMB	P6SMB
P6SMB11A	DO-214AA/SMB	P6SMB
P6SMB12A	DO-214AA/SMB	P6SMB
P6SMB13A	DO-214AA/SMB	P6SMB
P6SMB15A	DO-214AA/SMB	P6SMB
P6SMB16A	DO-214AA/SMB	P6SMB
P6SMB18A	DO-214AA/SMB	P6SMB
P6SMB20A	DO-214AA/SMB	P6SMB
P6SMB22A	DO-214AA/SMB	P6SMB
P6SMB24A	DO-214AA/SMB	P6SMB
P6SMB27A	DO-214AA/SMB	P6SMB
P6SMB30A	DO-214AA/SMB	P6SMB
P6SMB33A	DO-214AA/SMB	P6SMB
P6SMB36A	DO-214AA/SMB	P6SMB
P6SMB39A	DO-214AA/SMB	P6SMB
P6SMB43A	DO-214AA/SMB	P6SMB
P6SMB47A	DO-214AA/SMB	P6SMB
P6SMB51A	DO-214AA/SMB	P6SMB
P6SMB56A	DO-214AA/SMB	P6SMB
P6SMB58A	DO-214AA/SMB	P6SMB
P6SMB62A	DO-214AA/SMB	P6SMB

P6SMB68A	DO-214AA/SMB	P6SMB
P6SMB75A	DO-214AA/SMB	P6SMB
P6SMB82A	DO-214AA/SMB	P6SMB
P6SMB10CA	DO-214AA/SMB	P6SMB
P6SMB11CA	DO-214AA/SMB	P6SMB
P6SMB12CA	DO-214AA/SMB	P6SMB
P6SMB13CA	DO-214AA/SMB	P6SMB
P6SMB15CA	DO-214AA/SMB	P6SMB
P6SMB16CA	DO-214AA/SMB	P6SMB
P6SMB18CA	DO-214AA/SMB	P6SMB
P6SMB20CA	DO-214AA/SMB	P6SMB
P6SMB51CA	DO-214AA/SMB	P6SMB
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P6SMB58CA	DO-214AA/SMB	P6SMB
P6SMB62CA	DO-214AA/SMB	P6SMB
P6SMB68CA	DO-214AA/SMB	P6SMB
P6SMB75CA	DO-214AA/SMB	P6SMB
P6SMB82CA	DO-214AA/SMB	P6SMB
P6SMB91CA	DO-214AA/SMB	P6SMB
P6SMB220A	DO-214AA/SMB	P6SMB
P6SMB250A	DO-214AA/SMB	P6SMB
P6SMB300A	DO-214AA/SMB	P6SMB
P6SMB100CA	DO-214AA/SMB	P6SMB
P6SMB110CA	DO-214AA/SMB	P6SMB
P6SMB120CA	DO-214AA/SMB	P6SMB
P6SMB130CA	DO-214AA/SMB	P6SMB
P6SMB150CA	DO-214AA/SMB	P6SMB
P6SMB160CA	DO-214AA/SMB	P6SMB
P6SMB170CA	DO-214AA/SMB	P6SMB
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P6SMB220CA	DO-214AA/SMB	P6SMB
P6SMB100A	DO-214AA/SMB	P6SMB
P6SMB110A	DO-214AA/SMB	P6SMB
P6SMB250CA	DO-214AA/SMB	P6SMB
P6SMB300CA	DO-214AA/SMB	P6SMB
P6SMB22CA	DO-214AA/SMB	P6SMB
P6SMB24CA	DO-214AA/SMB	P6SMB
P6SMB27CA	DO-214AA/SMB	P6SMB
P6SMB30CA	DO-214AA/SMB	P6SMB
P6SMB33CA	DO-214AA/SMB	P6SMB
P6SMB36CA	DO-214AA/SMB	P6SMB
P6SMB39CA	DO-214AA/SMB	P6SMB
P6SMB43CA	DO-214AA/SMB	P6SMB
P6SMB47CA	DO-214AA/SMB	P6SMB
P6SMB6.8CA-N	DO-214AA/SMB	P6SMB
P6SMB8V2CA	DO-214AA/SMB	P6SMB
P6SMB15CA-HW	DO-214AA/SMB	P6SMB

P6SMB27CAAUTO	DO-214AA/SMB	P6SMB
P6SMB36CAAUTO	DO-214AA/SMB	P6SMB
P6SMB39CAAUTO	DO-214AA/SMB	P6SMB
P6SMB250A-TC1	DO-214AA/SMB	P6SMB
P6SMB220A-SCH	DO-214AA/SMB	P6SMB
P6SMB300A-SCH	DO-214AA/SMB	P6SMB
P6SMB51A-23-RG70	DO-214AA/SMB	P6SMB
P6SMB68A-100	DO-214AA/SMB	P6SMB
P6SMB75A-N	DO-214AA/SMB	P6SMB
SMBJ5.0A	DO-214AA/SMB	SMBJ
SMBJ6.0A	DO-214AA/SMB	SMBJ
SMBJ6.5A	DO-214AA/SMB	SMBJ
SMBJ7.0A	DO-214AA/SMB	SMBJ
SMBJ7.5A	DO-214AA/SMB	SMBJ
SMBJ8.0A	DO-214AA/SMB	SMBJ
SMBJ8.5A	DO-214AA/SMB	SMBJ
SMBJ5.0CA	DO-214AA/SMB	SMBJ
SMBJ6.0CA	DO-214AA/SMB	SMBJ
SMBJ6.5CA	DO-214AA/SMB	SMBJ
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SMBJ8.0CA	DO-214AA/SMB	SMBJ
SMBJ8.5CA	DO-214AA/SMB	SMBJ
SMBJ9.0A	DO-214AA/SMB	SMBJ
SMBJ10A	DO-214AA/SMB	SMBJ
SMBJ11A	DO-214AA/SMB	SMBJ
SMBJ12A	DO-214AA/SMB	SMBJ
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SMBJ17A	DO-214AA/SMB	SMBJ
SMBJ18A	DO-214AA/SMB	SMBJ
SMBJ20A	DO-214AA/SMB	SMBJ
SMBJ22A	DO-214AA/SMB	SMBJ
SMBJ24A	DO-214AA/SMB	SMBJ
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SMBJ28A	DO-214AA/SMB	SMBJ
SMBJ30A	DO-214AA/SMB	SMBJ
SMBJ33A	DO-214AA/SMB	SMBJ
SMBJ36A	DO-214AA/SMB	SMBJ
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SMBJ45A	DO-214AA/SMB	SMBJ
SMBJ48A	DO-214AA/SMB	SMBJ
SMBJ51A	DO-214AA/SMB	SMBJ
SMBJ54A	DO-214AA/SMB	SMBJ
SMBJ58A	DO-214AA/SMB	SMBJ

SMBJ60A	DO-214AA/SMB	SMBJ
SMBJ64A	DO-214AA/SMB	SMBJ
SMBJ70A	DO-214AA/SMB	SMBJ
SMBJ9.0CA	DO-214AA/SMB	SMBJ
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SMBJ33CA	DO-214AA/SMB	SMBJ
SMBJ36CA	DO-214AA/SMB	SMBJ
SMBJ40CA	DO-214AA/SMB	SMBJ
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SMBJ6.0A-T7	DO-214AA/SMB	SMBJ
SMBJ7.0A-T7	DO-214AA/SMB	SMBJ
SMBJ5.0A-012	DO-214AA/SMB	SMBJ
SMBJ5.0A-ER	DO-214AA/SMB	SMBJ
SMBJ6.0CA-GT3	DO-214AA/SMB	SMBJ
SMBJ5.0CA-23-TR70	DO-214AA/SMB	SMBJ
HTVSB7.0CA-100	DO-214AA/SMB	SMBJ
SMBJ8.5CA-N	DO-214AA/SMB	SMBJ
SMBJ5.0CA-MD	DO-214AA/SMB	SMBJ
SMBJ5.0CA-KF	DO-214AA/SMB	SMBJ
SMBJ6.0CA-KF	DO-214AA/SMB	SMBJ
SMBJ8.5CA-KF	DO-214AA/SMB	SMBJ
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SMBJ26CA-54	DO-214AA/SMB	SMBJ
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SMBJ36A-23-RG70	DO-214AA/SMB	SMBJ
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SMBJ70A-N	DO-214AA/SMB	SMBJ
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1.5SMC120CA	DO-214AB/SMC	1.5SMC
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SMCJ20CA	DO-214AB/SMC	SMCJ
SMCJ22CA	DO-214AB/SMC	SMCJ
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SMCJ6.0CA-23-TR71	DO-214AB/SMC	SMCJ
SMCJ6.5CA-23-TR71	DO-214AB/SMC	SMCJ
SMCJ7.0CA-23-TR71	DO-214AB/SMC	SMCJ

SMCJ7.0CA-23-RG71	DO-214AB/SMC	SMCJ
SMCJ8.5CA-23-RG71	DO-214AB/SMC	SMCJ
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SMDJ11CA	DO-214AB/SMC	SMDJ
SMDJ12CA	DO-214AB/SMC	SMDJ
SMDJ13CA	DO-214AB/SMC	SMDJ
SMDJ14CA	DO-214AB/SMC	SMDJ
SMDJ15CA	DO-214AB/SMC	SMDJ
SMDJ16CA	DO-214AB/SMC	SMDJ
SMDJ17CA	DO-214AB/SMC	SMDJ
SMDJ18CA	DO-214AB/SMC	SMDJ
SMDJ20CA	DO-214AB/SMC	SMDJ
SMDJ22CA	DO-214AB/SMC	SMDJ
SMDJ24CA	DO-214AB/SMC	SMDJ
SMDJ26CA	DO-214AB/SMC	SMDJ
SMDJ28CA	DO-214AB/SMC	SMDJ
SMDJ30CA	DO-214AB/SMC	SMDJ
SMDJ33CA	DO-214AB/SMC	SMDJ
SMDJ36CA	DO-214AB/SMC	SMDJ
SMDJ40CA	DO-214AB/SMC	SMDJ
SMDJ43CA	DO-214AB/SMC	SMDJ
SMDJ45CA	DO-214AB/SMC	SMDJ
SMDJ48CA	DO-214AB/SMC	SMDJ
SMDJ51CA	DO-214AB/SMC	SMDJ
SMDJ54CA	DO-214AB/SMC	SMDJ
SMDJ58CA	DO-214AB/SMC	SMDJ
SMDJ5.0CA-T7	DO-214AB/SMC	SMDJ
SMDJ6.0CA-T7	DO-214AB/SMC	SMDJ
SMDJ6.5CA-T7	DO-214AB/SMC	SMDJ
SMDJ7.0CA-T7	DO-214AB/SMC	SMDJ
SMDJ7.5CA-T7	DO-214AB/SMC	SMDJ
SMDJ8.0CA-T7	DO-214AB/SMC	SMDJ
SMDJ8.5CA-T7	DO-214AB/SMC	SMDJ
SMDJ9.0CA-T7	DO-214AB/SMC	SMDJ
SMDJ10CA-T7	DO-214AB/SMC	SMDJ
SMDJ11CA-T7	DO-214AB/SMC	SMDJ
SMDJ12CA-T7	DO-214AB/SMC	SMDJ
SMDJ13CA-T7	DO-214AB/SMC	SMDJ
SMDJ14CA-T7	DO-214AB/SMC	SMDJ
SMDJ15CA-T7	DO-214AB/SMC	SMDJ
SMDJ16CA-T7	DO-214AB/SMC	SMDJ
SMDJ17CA-T7	DO-214AB/SMC	SMDJ
SMDJ18CA-T7	DO-214AB/SMC	SMDJ
SMDJ20CA-T7	DO-214AB/SMC	SMDJ
SMDJ22CA-T7	DO-214AB/SMC	SMDJ

SMDJ24CA-T7	DO-214AB/SMC	SMDJ
SMDJ26CA-T7	DO-214AB/SMC	SMDJ
SMDJ28CA-T7	DO-214AB/SMC	SMDJ
SMDJ30CA-T7	DO-214AB/SMC	SMDJ
SMDJ33CA-T7	DO-214AB/SMC	SMDJ
SMDJ36CA-T7	DO-214AB/SMC	SMDJ
SMDJ40CA-T7	DO-214AB/SMC	SMDJ
SMDJ43CA-T7	DO-214AB/SMC	SMDJ
SMDJ45CA-T7	DO-214AB/SMC	SMDJ
SMDJ48CA-T7	DO-214AB/SMC	SMDJ
SMDJ51CA-T7	DO-214AB/SMC	SMDJ
SMDJ54CA-T7	DO-214AB/SMC	SMDJ
SMDJ58CA-T7	DO-214AB/SMC	SMDJ