



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16478

Generic Copy

Issue Date: 19-May-2010

TITLE: Copper Wire replacing Gold Wire in the SOT23, SC88/SC88A, SC70, SC74, SC75, SOD123, SOD523, SOD723, SOT723, SOD923 Packages.

PROPOSED FIRST SHIP DATE: 19-Aug-2010

AFFECTED CHANGE CATEGORY(S): ON Semiconductor Assembly Areas – Wire Bond

FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:

Contact your local ON Semiconductor Sales Office or Eben Lim <eben.lim@onsemi.com>

SAMPLES: Contact your local ON Semiconductor Sales Office or Eben Lim <eben.lim@onsemi.com>

ADDITIONAL RELIABILITY DATA: Available

Contact your local ON Semiconductor Sales Office or Nicky Siu <Nicky.siu@onsemi.com>

NOTIFICATION TYPE:

Final Product/Process Change Notification (FPCN)

Final change notification sent to customers. FPCNs are issued at least 90 days prior to the implementation of the change.

ON Semiconductor will consider this change approved unless specific conditions of acceptance are provided in writing within 30 days of receipt of this notice. To do so, contact <quality@onsemi.com>.

DESCRIPTION AND PURPOSE:

ON Semiconductor is notifying customers of its use of Copper Wire (in place of Gold Wire) for their SOT23, SC88/SC88A, SC70, SC74, SC75, SOD123, SOD523, SOD723, SOT723, SOD923 packages. Discrete products built with bipolar transistor, rectifier, zener diode, schottky diode, and switching diode platforms are represented by this Process Change Notice.

Reliability Qualification and full electrical characterization over temperature has been performed.



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RELIABILITY DATA SUMMARY:

Reliability Test Results:

SOT-23**MMBT2369LT1G**

Test:	Conditions:	Interval:	Results
HTRB	TA=150C,80% Rated Voltage	1008 hrs	0/240
Precondition	MSL1@ 260C , 3 X IR at 260 C		0/960
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/240
H3TRB+PC	Ta=85C RH=85% bias=80% rated V or100V Max	1008 hrs	0/240
IOL+PC	Ta=25C, Delta TJ = 100 C, Ton/off = 2 min.	15000 cyc	0/240
TC+PC	Ta= -65 C to 150 C, air to air	1000 cyc	0/240
HTSL	Ta=150C	1008 hrs	0/240
DPA	Per AECQ101, Post TC 1000cycs		0/6
DPA	Per AECQ101, Post H3TRB 1008hrs		0/6
RSH	Ta=260C, 10 sec dwell		0/89

BAT54ALT1G

Test:	Conditions:	Interval:	Results
HTRB	TA=150C,80% Rated Voltage	1008 hrs	0/240
Precondition	MSL1@ 260C , 3 X IR at 260 C		0/960
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/240
H3TRB+PC	Ta=85C RH=85% bias=80% rated V or100V Max	1008 hrs	0/240
IOL+PC	Ta=25C, Delta TJ = 100 C, Ton/off = 2 min.	15000 cyc	0/240
TC+PC	Ta= -65 C to 150 C, air to air	1000 cyc	0/240
HTSL	Ta=150C	1008 hrs	0/240
DPA	Per AECQ101, Post TC 1000cycs		0/6
DPA	Per AECQ101, Post H3TRB 1008hrs		0/6
RSH	Ta=260C, 10 sec dwell		0/90

MMBZ5270BLT1G

Test:	Conditions:	Interval:	Results
HTRB	TA=150C,80% Rated Voltage	1008 hrs	0/160
Precondition	MSL1@ 260C , 3 X IR at 260 C		0/640
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/160
H3TRB+PC	Ta=85C RH=85% bias=80% rated V or100V Max	1008 hrs	0/160
IOL+PC	Ta=25C, Delta TJ = 100 C, Ton/off = 2 min.	15000 cyc	0/160
TC+PC	Ta= -65 C to 150 C, air to air	1000 cyc	0/160
HTSL	Ta=150C	1008 hrs	0/160
DPA	Per AECQ101, Post TC 1000cycs		0/4
DPA	Per AECQ101, Post H3TRB 1008hrs		0/4
RSH	Ta=260C, 10 sec dwell		0/60



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MMBZ5263BLT1G

Test:	Conditions:	Interval:	Results
HTRB	TA=150C,80% Rated Voltage	1008 hrs	0/80
Precondition	MSL1 @ 260C , 3 X IR at 260 C		0/320
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/80
H3TRB+PC	Ta=85C RH=85%	1008 hrs	0/80
	bias=80% rated V or100V Max		
IOL+PC	Ta=25C, Delta TJ = 100 C, Ton/off = 2 min.	15000 cyc	0/80
TC+PC	Ta= -65 C to 150 C, air to air	1000 cyc	0/80
HTSL	Ta=150C	1008 hrs	0/80
DPA	Per AECQ101, Post TC 1000cycs		0/2
DPA	Per AECQ101, Post H3TRB 1008hrs		0/2
RSH	Ta=260C, 10 sec dwell		0/30

MMBZ33VALT1G

Test:	Conditions:	Interval:	Results
Precondition	MSL1 @ 260C , 3 X IR at 260 C		0/960
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/240
H3TRB+PC	Ta=85C RH=85%	1008 hrs	0/240
	bias=80% rated V or100V Max		
IOL+PC	Ta=25C, Delta TJ = 100 C, Ton/off = 2 min.	15000 cyc	0/240
TC+PC	Ta= -65 C to 150 C, air to air	1000 cyc	0/240
HTSL	Ta=150C	1008 hrs	0/240
DPA	Per AECQ101, Post TC 1000cycs		0/6
DPA	Per AECQ101, Post H3TRB 1008hrs		0/6
RSH	Ta=260C, 10 sec dwell		0/90

SOD-123

MBR0520LT3G

Test:	Conditions:	Interval:	Results
HTRB	TA=150C,80% Rated Voltage	1008 hrs	0/80
Precondition	MSL1 @ 260C , 3 X IR at 260 C		0/320
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/80
H3TRB+PC	Ta=85C RH=85%	1008 hrs	0/80
	bias=80% rated V or100V Max		
IOL+PC	Ta=25C, Delta TJ = 100 C, Ton/off = 2 min.	15000 cyc	0/80
TC+PC	Ta= -65 C to 150 C, air to air	1000 cyc	0/80
HTSL	Ta=150C	1008 hrs	0/80
RSH	Ta=260C, 10 sec dwell		0/30



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MBR130T1G

Test:	Conditions:	Interval:	Results
HTRB	TA=150C,80% Rated Voltage	1008 hrs	0/80
Precondition	MSL1 @ 260C , 3 X IR at 260 C		0/320
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/80
H3TRB+PC	Ta=85C RH=85% bias=80% rated V or100V Max	1008 hrs	0/80
IOL+PC	Ta=25C, Delta TJ = 100 C, Ton/off = 2 min.	15000 cyc	0/80
TC+PC	Ta= -65 C to 150 C, air to air	1000 cyc	0/80
HTSL	Ta=150C	1008 hrs	0/80
DPA	Per AECQ101, Post TC 1000cycs		0/2
DPA	Per AECQ101, Post H3TRB 1008hrs		0/2
RSH	Ta=260C, 10 sec dwell		0/30

MBR0540T3G

Test:	Conditions:	Interval:	Results
HTRB	TA=150C,80% Rated Voltage	1008 hrs	0/80
Precondition	MSL1 @ 260C , 3 X IR at 260 C		0/320
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/80
H3TRB+PC	Ta=85C RH=85% bias=80% rated V or100V Max	1008 hrs	0/80
IOL+PC	Ta=25C, Delta TJ = 100 C, Ton/off = 2 min.	15000 cyc	0/80
TC+PC	Ta= -65 C to 150 C, air to air	1000 cyc	0/80
HTSL	Ta=150C	1008 hrs	0/80
DPA	Per AECQ101, Post TC 1000cycs		0/2
DPA	Per AECQ101, Post H3TRB 1008hrs		0/2
RSH	Ta=260C, 10 sec dwell		0/30

SC88 and SC88A

MSQA6V1W5T2G

Test:	Conditions:	Interval:	Results
Precondition	MSL1 @ 260C , 3 X IR at 260 C		0/480
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/240
TC+PC	Ta= -65 C to 150 C, air to air	1000 cyc	0/240
HTSL	Ta=150C	1008 hrs	0/240
DPA	Per AECQ101, Post TC 1000cycs		0/6
RSH	Ta=260C, 10 sec dwell		0/90



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SC75

DTC114EET1G

Test:	Conditions:	Interval:	Results
HTRB	Ta=150C, Vds=80% Rated	1008 hrs	0/240
Precondition	MSL1 @ 260C , 3 X IR at 260 C		0/960
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/240
H3TRB+PC	Ta=85C RH=85% bias=80% rated V or100V Max	1008 hrs	0/240
IOL+PC	Ta=25C, Delta TJ = 100 C, Ton/off = 2 min.	15000 cyc	0/240
TC+PC	Ta= -65 C to 150 C, air to air	1000 cyc	0/240
HTSL	Ta= 150C	1008 hrs	0/240
DPA	Per AECQ101, Post TC 1000cycs		0/6
DPA	Per AECQ101, Post H3TRB 1008hrs		0/6
RSH	Ta=260C, 10 sec dwell		0/90

SOD523

BAS16XV2T1G

Test:	Conditions:	Interval:	Results
HTRB	TA=150C,80% Rated Voltage	1008 hrs	0/240
Precondition	MSL1 @ 260C , 3 X IR at 260 C		0/960
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/240
H3TRB+PC	Ta=85C RH=85% bias=80% rated V or100V Max	1008 hrs	0/240
IOL+PC	Ta=25C, Delta TJ = 100 C, Ton/off = 2 min.	15000 cyc	0/240
TC+PC	Ta= -65 C to 150 C, air to air	1000 cyc	0/240
HTSL	Ta=150C	1008 hrs	0/240
DPA	Per AECQ101, Post TC 1000cycs		0/6
DPA	Per AECQ101, Post H3TRB 1008hrs		0/6
RSH	Ta=260C, 10 sec dwell		0/90

SOD723

NSR0230M2T5G

Test:	Conditions:	Interval:	Results
HTRB	TA=150C,80% Rated Voltage	1008 hrs	0/80
Precondition	MSL1 @ 260C , 3 X IR at 260 C		0/320
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/80
H3TRB+PC	Ta=85C RH=85% bias=80% rated V or100V Max	1008 hrs	0/80
IOL+PC	Ta=25C, Delta TJ = 100 C, Ton/off = 2 min.	15000 cyc	0/80
TC+PC	Ta= -65 C to 150 C, air to air	1000 cyc	0/80
DPA	Per AECQ101, Post TC 1000cycs		0/2
DPA	Per AECQ101, Post H3TRB 1008hrs		0/2
RSH	Ta=260C, 10 sec dwell		0/30



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UESD12ST5G

Test:	Conditions:	Interval:	Results
HTRB	TA=150C,80% Rated Voltage	1008 hrs	0/80
Precondition	MSL1 @ 260C , 3 X IR at 260 C		0/320
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/80
H3TRB+PC	Ta=85C RH=85% bias=80% rated V or100V Max	1008 hrs	0/80
IOL+PC	Ta=25C, Delta TJ = 100 C, Ton/off = 2 min.	15000 cyc	0/80
TC+PC	Ta= -65 C to 150 C, air to air	1000 cyc	0/80
DPA	Per AECQ101, Post TC 1000cycs		0/2
DPA	Per AECQ101, Post H3TRB 1008hrs		0/2
RSH	Ta=260C, 10 sec dwell		0/30

SOT723

ESD7L5.0DT5G

Test:	Conditions:	Interval:	Results
HTRB	TA=150C,80% Rated Voltage	1008 hrs	0/80
Precondition	MSL1 @ 260C , 3 X IR at 260 C		0/320
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/80
H3TRB+PC	Ta=85C RH=85% bias=80% rated V or100V Max	1008 hrs	0/80
IOL+PC	Ta=25C, Delta TJ = 100 C, Ton/off = 2 min.	15000 cyc	0/80
TC+PC	Ta= -65 C to 150 C, air to air	1000 cyc	0/80
DPA	Per AECQ101, Post TC 1000cycs		0/2
DPA	Per AECQ101, Post H3TRB 1008hrs		0/2
RSH	Ta=260C, 10 sec dwell		0/30

DTA114EM3T5G

Test:	Conditions:	Interval:	Results
HTRB	TA=150C,80% Rated Voltage	1008 hrs	0/80
Precondition	MSL1 @ 260C , 3 X IR at 260 C		0/320
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/80
H3TRB+PC	Ta=85C RH=85% bias=80% rated V or100V Max	1008 hrs	0/80
IOL+PC	Ta=25C, Delta TJ = 100 C, Ton/off = 2 min.	15000 cyc	0/80
TC+PC	Ta= -65 C to 150 C, air to air	1000 cyc	0/80
DPA	Per AECQ101, Post TC 1000cycs		0/2
DPA	Per AECQ101, Post H3TRB 1008hrs		0/2
RSH	Ta=260C, 10 sec dwell		0/30



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SOD923

NSR0170P2T5G

Test:	Conditions:	Interval:	Results
HTRB	TA=150C,80% Rated Voltage	1008 hrs	0/160
Precondition	MSL1 @ 260C , 3 X IR at 260 C		0/640
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/160
H3TRB+PC	Ta=85C RH=85% bias=80% rated V or100V Max	1008 hrs	0/160
IOL+PC	Ta=25C, Delta TJ = 100 C, Ton/off = 2 min.	15000 cyc	0/160
TC+PC	Ta= -65 C to 150 C, air to air	1000 cyc	0/160
HTSL	Ta=150C	1008 hrs	0/160
DPA	Per AECQ101, Post TC 1000cycs		0/4
DPA	Per AECQ101, Post H3TRB 1008hrs		0/4
RSH	Ta=260C, 10 sec dwell		0/60

ESD9X12ST5G

Test:	Conditions:	Interval:	Results
HTRB	TA=150C,80% Rated Voltage	1008 hrs	0/80
Precondition	MSL1 @ 260C , 3 X IR at 260 C		0/320
Autoclave+PC	Ta=121C RH=100% ~15 psig	96 hrs	0/80
H3TRB+PC	Ta=85C RH=85% bias=80% rated V or100V Max	1008 hrs	0/80
IOL+PC	Ta=25C, Delta TJ = 100 C, Ton/off = 2 min.	15000 cyc	0/80
TC+PC	Ta= -65 C to 150 C, air to air	1000 cyc	0/80
HTSL	Ta=150C	1008 hrs	0/80
DPA	Per AECQ101, Post TC 1000cycs		0/2
DPA	Per AECQ101, Post H3TRB 1008hrs		0/2
RSH	Ta=260C, 10 sec dwell		0/30

ELECTRICAL CHARACTERISTIC SUMMARY:

Datasheet specifications and product electrical performance remain unchanged

Characterization of each qual vehicle device has been performed to the following requirements:

- 1) Three temperature characterization on 30 units from 3 lots
- 2) ESD performance (HBM, MM) on 15 units from 1 lot

ELECTRICAL CHARACTERIZATION RESULTS:

Three temperature characterization and ESD performance meet datasheet specification. Detail of Electrical characterization result is available upon request.

CHANGED PART IDENTIFICATION:

Products assembled with the Copper Wire from the ON Semiconductor facility will have a **Finished Goods** Date Code 1033, date code marking "P", representing Work Week 33, 2010 or newer.



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List of affected General Parts:

DEVICES		
1SS400T1	MMBTA13LT3G	SMUN5230DW1T1G
1SS400T1G	MMBTA14LT1	SMUN5232DW1T1G
2SA2029M3T5G	MMBTA14LT1G	SMUN5233DW1T1G
2SC5658M3T5G	MMBTA56WT1G	SMUN5237DW1T1G
2SC5658M3T5H	MMBTA63LT1G	SMUN5311DW1T2G
2SC5658RM3T5G	MMBTA64LT1G	SMUN5312DW1T1G
BAS16WT1	MMBTA64LT3G	SMUN5313DW1T1G
BAS16WT1G	MMBTA70LT1G	SMUN5315DW1T1G
BAS16XV2T1	MMBTH10M3T5G	SMUN5330DW1T1G
BAS16XV2T1G	MMBZ27VAWT1G	SMUN5335DW1T1G
BAS16XV2T5G	MMBZ27VCWT1G	SNZF220DFT1G
BAS21M3T5G	MSB1218A-RT1G	SSVMUN5312DW1T2G
BAT54M3T5G	MSD1819A-RT1G	SZBZX84C11LT3G
BAT54XV2T1G	MUN5332DW1T1G	SZESD5Z5.0T1G
BAT54XV2T1H	NS2029M3T5G	SZMM5Z10VT1G
BAT54XV2T5G	NSD914XV2T1G	SZMM5Z12VT1G
BAV70M3T5G	NSR0130P2T5G	SZMM5Z16VT1G
BAV70WT1	NSR0130P2T5H	SZMM5Z18VT1G
BAV70WT1G	NSR0140P2T5G	SZMM5Z24VT1G
BAV99RWT1G	NSR0140P2T5H	SZMM5Z27VT1G
BAV99WT1	NSR0170P2T5G	SZMM5Z3V0T1G
BAV99WT1G	NSR0230M2T5G	SZMM5Z3V3T1G
BAW56M3T5G	NSR0230P2T5G	SZMM5Z4V7ST1G
BAW56WT1G	NSR0230P2T5H	SZMM5Z4V7ST5G
BC807-16LT1	NSR0240P2T5G	SZMM5Z5V1T1G
BC807-16LT1G	NSR0240V2T1G	SZMM5Z5V6ST1G
BC807-16LT3G	NSR0340P2T5G	SZMM5Z5V6T1G
BC817-16LT1G	NSR0340V2T1G	SZMM5Z6V2ST1G
BC817-16LT3G	NSR0520V2T1G	SZMM5Z6V8ST1G
BC818-40LT1G	NSR0530P2T5G	SZMM5Z6V8T1G
BC846ALT1G	NSR0620P2T5G	SZMM5Z7V5T1G
BC846ALT3	NSR30CM3T5G	SZMM5Z8V2ST1G
BC846ALT3G	NSR30CM3T5H	SZMM5Z8V2T1G
BC846BM3T5G	NSRLL30XV2T1G	SZMMBZ4252T3G
BC846BM3T5H	NSS12100M3T5G	SZMMBZ5239BLT1G
BC846BWT1G	NSS30070MR6T1G	SZMMBZ5240ELT1G
BC847ALT1G	NSS30071MR6T1G	SZMMBZ5246BLT1G
BC847AWT1	NSVBAT54LT1G	SZMMBZ5246ELT1G
BC847AWT1G	NSVR0230M2T5G	SZMMBZ5250ELT1G
BC847BDW1T3G	NSVR0240V2T1G	SZMMBZ5252ELT1G
BC847BM3T5G	NSVRB521S30T1G	SZMSQA6V1W5T2G
BC847BWT1G	NSVT45011MW6T3G	SZNUP4301MR6T1G
BC847CWT1G	NSVUMC3NT1G	SZSM05T1G
BC847CWT3G	NSVUMC5NT2G	UESD3.3DT5G
BC848ALT1G	NSZ5V6V2T1G	UESD5.0DT5G
BC848BWT1G	NUP1301ML3T1G	UESD6.0DT5G
BC848CWT1G	NUP2301MW6T1G	MMBT5087LT1



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DEVICES

BC856ALT1G	NUP2301MW6T1GH	MMBT5089LT1
BC856BM3T5G	NZ9F10VST5G	MMBTA64LT1
BC856BWT1G	NZ9F10VT5G	ESD5Z12T1G
MM5Z4V7ST1G	SBCW72LT1G	ESD5Z2.5T1G
MM5Z4V7ST5G	SESD9X5.0JT5G	ESD5Z3.3T1G
MM5Z4V7T1G	SHN1B01FDW1T1G	ESD5Z5.0T1G
MM5Z5V1ST1G	SHN2D02FUTW1T1G	ESD5Z5.0T1H
MM5Z5V1T1G	SMBT1231LT3G	ESD5Z6.0T1G
MM5Z5V6ST1G	SMBT1504T3G	ESD5Z7.0T1G
MM5Z5V6T1G	SMBT1505T3G	ESD5Z7.0T5G
MM5Z6V2ST1G	SMBT1580LT1G	ESD7C3.3DT5G
MM5Z6V2T1G	SMBT3904DW1T1G	ESD7C5.0DT5G
MM5Z6V8ST1G	SMBT3906DW1T1G	ESD9B3.3ST5G
MM5Z6V8T1G	SMBT3946DW1T1G	ESD9B5.0ST5G
MM5Z7V5T1G	SMMBT2222ALT1G	ESD9C3.3ST5G
MM5Z8V2ST1G	SMMBT2222ALT3	ESD9C5.0ST5G
MM5Z8V2T1G	SMMBT2222ALT3G	ESD9X12ST5G
MM5Z9V1ST1G	SMMBT2369ALT1G	ESD9X3.3ST5G
MM5Z9V1T1G	SMMBT2369LT1G	ESD9X5.0ST5G
MMBD301M3T5G	SMMBT2907ALT1G	ESD9X7.0ST5G
MMBT2131T1G	SMMBT2907ALT3G	IMH20TR1G
MMBT2222AM3T5G	SMMBT3904LT1G	M1MA141KT1G
MMBT2222AWT1G	SMMBT3904TT1G	M1MA141WAT1G
MMBT2222AWT3G	SMMBT3906LT1	M1MA142WAT1
MMBT2484LT1G	SMMBT3906LT1G	M1MA142WAT1G
MMBT2484LT3G	SMMBT3906LT3G	M1MA142WKT1G
MMBT2907AM3T5G	SMMBT4401LT1G	MBD54DWT1G
MMBT2907AWT1G	SMMBT4403LT1G	MBR130T1H
MMBT3416LT3G	SMMBT5401LT1G	MM5Z10VT1G
MMBT3904WT1G	SMMBT5551LT1G	MM5Z12VT1G
MMBT3906WT1G	SMMBT5551LT3G	MM5Z15VT1G
MMBT4124LT1G	SMMBTA06LT1	MM5Z15VT5H
MMBT4401M3T5G	SMMBTA06LT1G	MM5Z16VT1G
MMBT4401WT1G	SMMBTA06LT3	MM5Z18VT1G
MMBT4403M3T5G	SMMBTA06LT3G	MM5Z20VT1G
MMBT4403WT1G	SMMBTA42LT3G	MM5Z24VT1G
MMBT5087LT1G	SMMBTA56LT1	MM5Z27VT1G
MMBT5087LT3G	SMMBTA56LT1G	MM5Z2V4ST1G
MMBT5088LT1G	SMMBTA56LT3	MM5Z2V4T1G
MMBT5089LT1G	SMMBTA56LT3G	MM5Z2V7T1G
MMBT5401LT1	SMMBTA92LT1	MM5Z33VT1G
MMBT5401LT1G	SMMBTA92LT1G	MM5Z36VT1G
MMBT5401LT3G	SMMBTA92LT3G	MM5Z3V0T1G
MMBT5551M3T5G	SMMUN2116LT3G	MM5Z3V3T1G
MMBT6427LT1G	SMMUN2216LT3G	MM5Z3V6T1G
MMBT6428LT1G	SMMUN2234LT1G	MM5Z47VT1G
MMBT6429LT1G	SMUN5113DW1T1G	MM5Z4V3T1G
MMBT6521LT1G	SMUN5115DW1T1G	BCX71JLT1G
MMBT8099LT1G	SMUN5116DW1T1G	MMBT5087LT1H



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DEVICES		
MMBTA06WT1G	SMUN5213DW1T1G	MMBT5089LT1H
MMBTA13LT1	SMUN5214DW1T1G	RB520S30T1
MMBTA13LT1G	SMUN5216DW1T1G	NZ9F11VST5G
NZF220TT1G	BC857ALT1G	NZ9F11VT5G
NZL5V6ATT1G	BC857BWT1G	NZ9F12VST5G
RB520S30T1G	BC857CLT1G	NZ9F12VT5G
RB521S30T1G	BC857CLT3G	NZ9F13VST5G
S1ZMMBZ12VALT1G	BC857CWT1G	NZ9F13VT5G
S1ZMMBZ15VALT1G	BC858ALT1G	NZ9F15VST5G
S1ZMMBZ18VALT1G	BC858AWT1G	NZ9F15VT5G
S1ZMMBZ20VALT1G	BC858BWT1G	NZ9F16VST5G
S1ZMMBZ27VALT1G	BCW65ALT1G	NZ9F16VT5G
S1ZMMBZ27VALT3G	BCW65CLT1G	NZ9F18VST5G
S1ZMMBZ33VALT1G	BCW68GLT1G	NZ9F18VT5G
S1ZMMBZ4252T1G	BCW68GLT3G	NZ9F20VT5G
SBAS116LT1G	BCX19LT1G	NZ9F22VT5G
SBAS21DW5T1G	BSS63LT1G	NZ9F24VT5G
SBAS40-04LT1G	DAP222M3T5G	NZ9F2V4ST5G
SBAS40-06LT1G	DF3A6.8FUT1G	NZ9F2V4T5G
SBAS40LT1G	DTA114EM3T5G	NZ9F2V7ST5G
SBAT54ALT1G	DTA114TM3T5G	NZ9F2V7T5G
SBAT54CLT1G	DTA114YM3T5G	NZ9F3V0ST5G
SBAT54CTT1G	DTA115EM3T5G	NZ9F3V0T5G
SBAT54XV2T1G	DTA123EM3T5G	NZ9F3V3ST5G
SBC807-16LT3G	DTA124EM3T5G	NZ9F3V3T5G
SBC807-25LT1G	DTA124XM3T5G	NZ9F3V6ST5G
SBC807-25LT3G	DTA143EM3T5G	NZ9F3V6T5G
SBC807-40LT1G	DTA143TM3T5G	NZ9F3V9ST5G
SBC807-40LT3G	DTA143ZM3T5G	NZ9F3V9T5G
SBC808-25LT1G	DTA144EM3T5G	NZ9F4V3ST5G
SBC817-16LT3G	DTA144EM3T5H	NZ9F4V3T5G
SBC817-25LT1	DTA144TM3T5G	NZ9F4V7ST5G
SBC817-25LT1G	DTA144WM3T5G	NZ9F4V7T5G
SBC817-25LT3G	DTC114EM3T5G	NZ9F5V1ST5G
SBC817-40LT1	DTC114EM3T5H	NZ9F5V1T5G
SBC817-40LT1G	DTC114TM3T5G	NZ9F5V6ST5G
SBC817-40LT3G	DTC114YM3T5G	NZ9F5V6T5G
SBC846BLT1G	DTC114YM3T5H	NZ9F6V2ST5G
SBC846BLT3G	DTC115EM3T5G	NZ9F6V2T5G
SBC847BDW1T1G	DTC123EM3T5G	NZ9F6V8ST5G
SBC847BDW1T3G	DTC123JM3T5G	NZ9F6V8T5G
SBC847BLT1G	DTC124EM3T5G	NZ9F7V5ST5G
SBC847CLT1G	DTC124XM3T5G	NZ9F7V5T5G
SBC848BLT1G	DTC143EM3T5G	NZ9F8V2ST5G
SBC856BDW1T3G	DTC143TM3T5G	NZ9F8V2T5G
SBC856BLT1G	DTC143TM3T5H	NZ9F9V1ST5G
SBC856BLT3G	DTC143ZM3T5G	NZ9F9V1T5G
SBC857ALT1G	DTC144EM3T5G	MMBT2484LT1
SBC857BDW1T1G	DTC144EM3T5H	MMBT5088LT1



FINAL PRODUCT/PROCESS CHANGE NOTIFICATION #16478

DEVICES

SBC857BLT1G
SBCW30LT1G
SBCW33LT1G

DTC144TM3T5G
DTC144WM3T5G
ESD5B5.0ST1G

MMBT6429LT1
RB521S30T1