

DESIGN/PROCESS CHANGE NOTIFICATION

This is to inform you that a change is being made to the products listed below.

Unless otherwise indicated in the details of this notification, the identified change will have no impact on product quality, reliability, electrical, visual or mechanical performance and affected products will remain fully compliant to all published specifications. Products incorporating this change may be shipped interchangeably with existing unchanged products.

This change is planned to take effect in 90 calendar days from the date of this notification. Please work with your local Fairchild Sales Representative to manage your inventory of unchanged product if your evaluation of this change will require more than 90 calendar days.

Please contact your local Customer Quality Engineer within 30 days of receipt of this notification if you require any additional data or samples. Alternatively, you may send an email request for data, samples or other information to PCNSupport@fairchildsemi.com.

Implementation of change:

Expected First Shipment Date for Changed Product : Jul. 07, 2013

Expected First Date Code of Changed Product :1328

Description of Change (From) :

SOT323 packages under the following manufacturing sites using non green mold compound.

Manufacturing site	Mold compound change From	Site location change From
FSC China Subcontractor	E'dale ELL-2K1	Jiangyin city, JiangSu province, China
FSC Korea Subcontractor	KCC KTMC-1050TM	NA

Description of Change (To) :

Products assembled in the SOT323 packages using the new green Mold Compound as shown below, China subcontractor site location is changed to Chuzhou city, Anhui province from Jiangyin city, Jiangsu province.

Manufacturing site	Mold compound change To	Site location change To
FSC China Subcontractor	E'dale ELER-8-100HFE	Chuzhou city, Anhui province, China
FSC Korea Subcontractor	KCC KTMC-1050GS	NA

Reason for Change:

Mold compounds and site location change for Fairchild products manufactured in SOT323 packages. The qualified green Mold Compounds are low halogen material with improved thermal & mechanical properties. Package outline drawings of the affected products remain un-changed. All of the affected products are fully compliant to all published data sheet specifications and these changes will have no impact on their electrical performance. Quality and reliability will remain at the highest standards already demonstrated with Fairchild's existing SOT323 products.

Affected Product(s):

BAT54CWT1G	BAT54SWT1G	BAV99WT1G
FJX1182YTF	FJX2222ATF	FJX2907ATF
FJX3007RTF	FJX3008RTF	FJX3014RTF
FJX3904TF	FJX3906TF	FJX4003RTF
FJX4006RTF	FJX733YTF	FJX945GTF
FJX992TF		

Qualification Plan	Device	Package	Process	No. of Lots
Q20090412	FJX2222ATF	SOT323	SS-TR	3

Test Description:	Condition:	Standard :	Duration:	Results:
MSL1 Precondition	260C, 3 cycles	JESD22-A113		0/462
Temperature Humidity Bias Test	85%RH, 85C, 60V	JESD22-A101B	1000 hrs	0/231
High Temperature Reverse Bias Test	150C, 60V	JESD22-A108	1000 hrs	0/231
Power Cycle	Delta 100C, 2 Min cycle	MIL-STD-750-1036	5000 cycles	0/231
Temperature Cycle	-65C, 150C	JESD22-A104	500 cycles	0/231

Qualification Plan	Device	Package	Process	No. of Lots
Q20130070	FJX2222ATF	SOT323	SS-TR	1

Test Description:	Condition:	Standard :	Duration:	Results:
MSL1 Precondition	260C, 3 cycles	JESD22-A113		0/231
Temperature Humidity Bias Test	85%RH, 85C, 85% BV	JESD22-A101B	1000 hrs	0/77
High Temperature Reverse Bias Test	150C, 80% BV	JESD22-A108	1000 hrs	0/77
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/77
Power Cycle	Delta 100C, 2 Min cycle	MIL-STD-750-1036	10000 cycles	0/77
Temperature Cycle	-65C, 150C	JESD22-A104	500 cycles	0/77

Qualification Plan	Device	Package	Process	No. of Lots
Q20130070	BAT54SWT1G	SOT323	Schottky	1

Test Description:	Condition:	Standard :	Duration:	Results:
MSL1 Precondition	260C, 3 cycles	JESD22-A113		0/231
Temperature Humidity Bias Test	85%RH, 85C, 85% BV	JESD22-A101B	1000 hrs	0/77
High Temperature Reverse Bias Test	150C, 80% BV	JESD22-A108	1000 hrs	0/77
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/77
Power Cycle	Delta 100C, 2 Min cycle	MIL-STD-750-1036	10000 cycles	0/77
Temperature Cycle	-65C, 150C	JESD22-A104	500 cycles	0/77

Qualification Plan	Device	Package	Process	No. of Lots
Q20130070	BAV99WT1G	SOT323	Bipolar	1

Test Description:	Condition:	Standard :	Duration:	Results:
MSL1 Precondition	260C, 3 cycles	JESD22-A113		0/231
Temperature Humidity Bias Test	85%RH, 85C, 85% BV	JESD22-A101B	1000 hrs	0/77
High Temperature Reverse Bias Test	150C, 80% BV	JESD22-A108	1000 hrs	0/77
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/77
Power Cycle	Delta 100C, 2 Min cycle	MIL-STD-750-1036	10000 cycles	0/77
Temperature Cycle	-65C, 150C	JESD22-A104	500 cycles	0/77