

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 : Jun. 03, 2013

Expected First Date Code of Changed Product :1323

Description of Change (From) :

Manufacturing source for SOD123 package located in Jiangyin city, JiangSu province, China

Description of Change (To) :

Manufacturing source for SOD123 package located in Chuzhou city, Anhui province, China.

	From	To
Site location	Jiangyin, JiangSu, China	Chuzhou, Anhui, China
EMC type/supplier	GE1030S / Hitachi Chemical	1.) GE1030S / Hitachi Chemical 2.) ELER-8-100HFE / E'dale

Reason for Change:

Manufacturing site transfer and add new EMC type as second source. Package outline drawings of the affected products remain unchanged. All of the affected products are fully compliant to all published data sheet specifications and this change will have no impact on their electrical performance.

Quality and reliability will remain at the highest standards already demonstrated with Fairchild's existing products.

Affected Product(s):

MMSD3070	MMSD4148	MMSD4148_D87Z
MMSD4148_G	MMSD4448	MMSD459A
MMSD485B	MMSD914	MMSZ4684
MMSZ4686	MMSZ4688	MMSZ4689
MMSZ4692	MMSZ4697	MMSZ4702
MMSZ4703	MMSZ5226B	MMSZ5227B
MMSZ5228B	MMSZ5229B	MMSZ5230B
MMSZ5231B	MMSZ5232B	MMSZ5233B
MMSZ5234B	MMSZ5235B	MMSZ5236B
MMSZ5237B	MMSZ5238B	MMSZ5239B
MMSZ5240B	MMSZ5241B	MMSZ5242B
MMSZ5243B	MMSZ5244B	MMSZ5245B
MMSZ5246B	MMSZ5247B	MMSZ5248B
MMSZ5249B	MMSZ5250B	MMSZ5251B
MMSZ5252B	MMSZ5253B	MMSZ5254B
MMSZ5255B	MMSZ5256B	MMSZ5257B

Qualification Plan	Device	Package	Process	No. of Lots
Q20130033	MMSZ4697	SOD123	Zener	2

Test Description:	Condition:	Standard:	Duration:	Results:
MSL1 Precondition	260C, 3 cycles	JESD22-A113		0/462
Temperature Humidity Bias Test	85%RH, 85C, 85% BV	JESD22-A101B	1000 hrs	0/154
High Temperature Reverse Bias Test	150C, 80% BV	JESD22-A108	1000 hrs	0/154
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/154
Power Cycle	Delta 100C, 2 Min cycle	MIL-STD-750-1036	10000 cycles	0/154
Temperature Cycle	-65C, 150C	JESD22-A104	500 cycles	0/154

Qualification Plan	Device	Package	Process	No. of Lots
Q20130033	MMSD4148	SOD123	Diode	3

Test Description:	Condition:	Standard:	Duration:	Results:
MSL1 Precondition	260C, 3 cycles	JESD22-A113		0/693
Temperature Humidity Bias Test	85%RH, 85C, 85% BV	JESD22-A101B	1000 hrs	0/231
High Temperature Reverse Bias Test	150C, 80% BV	JESD22-A108	1000 hrs	0/231
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/231
Power Cycle	Delta 100C, 2 Min cycle	MIL-STD-750-1036	10000 cycles	0/231
Temperature Cycle	-65C, 150C	JESD22-A104	500 cycles	0/231