PCN# : P519AAB
Issue Date : Jul. 20, 2015

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 : Oct. 18, 2015

Expected First Date Code of Changed Product :1541

Description of Change (From) :
Package SOT23 Assembly site: Subcontractor assembly manufacturing site in China, Fairchild In-house Manufacturing site in Cebu, Philippines

Description of Change (To) :
Package SOT23 Assembly Site: Subcontractor assembly manufacturing sites in China, Fairchild In-house Manufacturing site in Cebu, Philippines

Item	Change from		Change to		
SOT23 Assembly site	Inhouse Manufacturing Site in Cebu Philippines	Subcontractor in Chuzhou, China	Inhouse Manufacturing Site in Cebu Philippines	Subcontractor in Dalian, China	Subcontractor in Chuzhou, China
Molding Compound	CK5000A	ELER-8-100HFE	CK5000A	KTMC-1050GR	ELER-8-100HFE

Reason for Change:

- To increase its manufacturing capacity
- To meet additional demand for SOT-23 products by having additional flexibility in manufacturing locations.

These changes will have no impact on product quality, reliability, electrical, visual or mechanical performance and affected products will be fully compliant to all published data sheet specifications. Quality and reliability will remain at the highest standards already demonstrated with Fairchild's existing products.

Affected Product(s): Please refer to the list of affected products in the addendum attached in the PCN email you received. This list is based on an analysis of your company’s procurement history.

Qualification Plan	Device	Package	Process	No. of Lots
Q20150100	MMBTA92	SOT23-3L	Bipolar	1

Test Description:	Condition:	Standard:	Duration:	Results:
MSL(1), PKG(Small), PeakTemp(260c), Cycles(3) (Precondition)	NA	JESD22-A113	5 Cycles, 24 hrs	0/231 units
High Temperature Reverse Bias	150C, 80% rated BV	JESD22-A108	1000 hrs	0/77 units
Highly Accelerated Stress Test	110C, 85%RH, 80% rated BV,MAX=42V	JESD22-A110	264 hrs	0/77 units
Power Cycle	Delta 100CC, 2 Min cycle	MIL-STD-750-1036	10000 cycles	0/77 units
Temperature Cycle	-55C, 150C	JESD22-A104	1000 Cycles	0/77 units

Qualification Plan	Device	Package	Process	No. of Lots
Q20150100	BAT54S	SOT23-3L	Schottky Diode	1

Test Description:	Condition:	Standard:	Duration:	Results:
MSL(1), PKG(Small), PeakTemp(260c), Cycles(3) (Precondition)	NA	JESD22-A113	5 Cycles, 24 hrs	0/231 units
High Temperature Reverse Bias	150C, 80% rated BV	JESD22-A108	1000 hrs	0/77 units
Highly Accelerated Stress Test	110C, 85%RH, 80% rated BV,MAX=42V	JESD22-A110	264 hrs	0/77 units
Power Cycle	Delta 100CC, 2 Min cycle	MIL-STD-750-1036	10000 cycles	0/77 units
Temperature Cycle	-55C, 150C	JESD22-A104	1000 Cycles	0/77 units

Qualification Plan	Device	Package	Process	No. of Lots
Q20150100	MMBD1404A	SOT23-3L	Switching Diode	1

Test Description:	Condition:	Standard:	Duration:	Results:
MSL(1), PKG(Small), PeakTemp(260c), Cycles(3) (Precondition)	NA	JESD22-A113	5 Cycles, 24 hrs	0/231 units
High Temperature Reverse Bias	150C, 80% rated BV	JESD22-A108	1000 hrs	0/77 units
Highly Accelerated Stress Test	110C, 85%RH, 80% rated BV,MAX=42V	JESD22-A110	264 hrs	0/77 units
Power Cycle	Delta 100CC, 2 Min cycle	MIL-STD-750-1036	10000 cycles	0/77 units
Temperature Cycle	-55C, 150C	JESD22-A104	1000 Cycles	0/77 units