

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 : Mar. 18, 2012

Expected First Date Code of Changed Product :1204

Last Date for Shipment of Unchanged Product : Mar. 18, 2012

Description of Change (From) :

Current assembly and test of SOT23 package location at Fairchild Semiconductor, Cebu, Philippines and Jiangsu, China.

Description of Change (To) :

Alternate Assembly/ Test location at Dalian, China.

Reason for Change:

To provide alternative manufacturing site for SOT23 package for capacity increase.

Process	Current, Cebu-Philippines and Jiangsu-China	Alternative, Dalian-China
Leadframe	Base Material: ALLOY42	Base Material: ALLOY42
Die Attach	Eutectic	Eutectic
Wire	Au 0.8 mil	Au 0.8 mil
Mold Compound	KCC KTMC3433NA (Non-green)	NEPES LMC-100GS (Non-green) KCC KTMC-1050TM (Non-green)
Plating	99.9Sn (Pb-free)	99.9Sn (Pb-free)
Packing	3K/reel Max. 15k/inner box	3K/reel Max. 15k/inner box

*For Green EMC conversion, please refer to the PCN# P191A

Affected Product(s):

MMBT2222A	MMBT2222A_F136	MMBT2907A
MMBT3904	MMBT3906	MMBT4401
MMBT4403		

Qualification Plan	Device	Package	Process	No. of Lots
Q11010130	BC847	SOT23	SS TRs	2

Test Description:	Condition:	Standard :	Duration:	Results:
MSL1 Precondition	260C, 3 cycles	JESD22-A113		0/320
High Temperature Reverse Bias	150C, 80% BV	JESD22-A108	168, 1000 hrs	0/154
Temperature Humidity Bias Test	85C, 85%RH, 10V	JESD22-A101B	168, 1000 hrs	0/154
Temperature Cycle	-65C, 150C	JESD22-A104	500 cycles	0/154

Qualification Plan	Device	Package	Process	No. of Lots
Q11010130	KST2907A	SOT23	SS TRs	1

Test Description:	Condition:	Standard :	Duration:	Results:
MSL1 Precondition	260C, 3 cycles	JESD22-A113		0/160
High Temperature Reverse Bias	150C, 80% BV	JESD22-A108	168, 1000 hrs	0/77
Temperature Humidity Bias Test	85C, 85%RH, 10V	JESD22-A101B	168, 1000 hrs	0/77
Temperature Cycle	-65C, 150C	JESD22-A104	500 cycles	0/77