

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 : Dec. 08, 2013

Expected First Date Code of Changed Product :1335

Description of Change (From) :

Products assembled in SOT23F, using the currently qualified Mold Compound.

Description of Change (To) :

Products assembled in SOT23F, using the new Halogen Free Mold Compound.

Site	Current, Dalian-China	New, Dalian-China (no change)
Mold Compound	KTMC-1050TM (Supplier : KCC)	KTMC-1050GR (Supplier : KCC)

Reason for Change:

This is a change to mold compound used for Fairchild products assembled in SOT23F package. The new qualified Mold Compound is 'Halogen Free' material with improved thermal & mechanical properties. There are no changes to the currently approved assembly facilities or any other materials used to produce these products. Package outline drawings of the affected products remain un-changed. 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 SOT23F products. If you require data or samples to evaluate this change, please contact Fairchild Semiconductor within 30 days of receipt of this notification.

Affected Product(s):

KA431SAMF2TF	KA431SAMFTF	KA431SLMF2TF
KA431SLMFTF	KA431SMF2TF	KA431SMFTF
LM431SACMFX	LM431SAIMFX	LM431SBCMFX
LM431SCCMFX		

Qualification Plan	Device	Package	Process	No. of Lots
Q20090055	KA431SLMF2TF	SOT23F	Linear IC	3

Test Description:	Condition:	Standard :	Duration:	Results:
MSL1 Precondition	260C, 3 cycles	JESD22-A113		0/462
High Temperature Op Life	125C	NA	168 , 500 , 1000 hrs	0/231
High Temperature Storage Life	150C	JESD22-A103	168 , 500 , 1000 hrs	0/231
Temperature Humidity Bias Test	85C, 85%RH, 10V	JESD22-A101B	168 , 500 , 1000 hrs	0/231
Temperature Cycle	-65C, 150C	JESD22-A104	100, 500 cycles	0/231