

DESIGN/PROCESS CHANGE NOTIFICATION

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

This is a minor change that has no impact on product quality, reliability, electrical or mechanical performance. Affected products will remain fully compliant to all published specifications. Notification is being made for informational purposes only and there is no approval required. Products incorporating this change may be shipped interchangeably with existing unchanged products.

Please contact your local Customer Quality Engineer if you have any questions regarding this notification. Alternatively, you may send an email request for information to PCNSupport@fairchildsemi.com.

Implementation of change:

Expected First Shipment Date for Changed Product : Feb. 07, 2014

Expected First Date Code of Changed Product : 1406

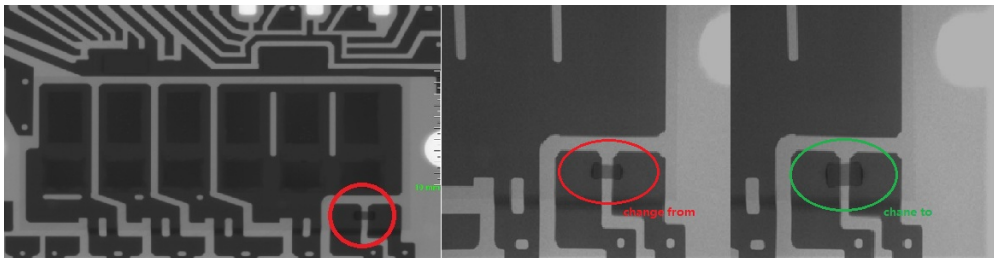
Description of Change (From) :

NTC Thermister
L(mm)*W(mm)*T(mm)=1.60*0.80*0.80, tolerance +/-0.05mm
Permissive Operating Current (25C): 0.14mA
Rated Electrical Power: 100mW
Typical Dissipation Constant (25C): 1mW/C

Description of Change (To) :

Add alternative NTC Thermister
Length(mm)*Width(mm)*Thickness(mm)=2.00*1.25*0.85, tolerance +/-0.20mm
Permissive Operating Current (25C): 0.20mA
Rated Electrical Power: 200mW
Typical Dissipation Constant (25C): 2mW/C

Demo pic of FNA41560 shows NTC size difference under X-ray inspection.



Reason for Change:

To decrease NTC thermister failure rate of both open and short by:

- a) Lower failure rate of NTC open by larger contact area between NTC surface and Cu lead frame: allow more adhesion
- b) Lower failure rate of NTC short by bigger "Length" value: longer terminal distance.

Resistance @ room temperature of both NTC is $47K \pm 1\%$.

There will be no impact to customer application circuitry. Products with this new NTC will perform with the same high level

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.