



PCN# : P544AAB
Issue Date : May. 15, 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:

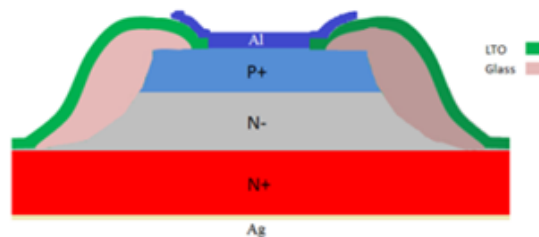
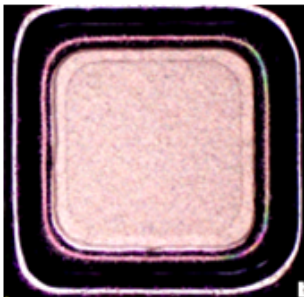
Expected First Shipment Date for Changed Product : Aug. 13, 2015

Expected First Date Code of Changed Product :1533

Description of Change (From) :

Fab process : GPP (Glass Passivation Process)

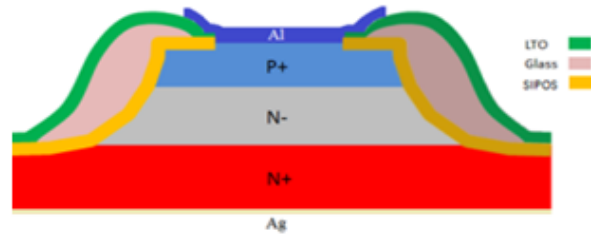
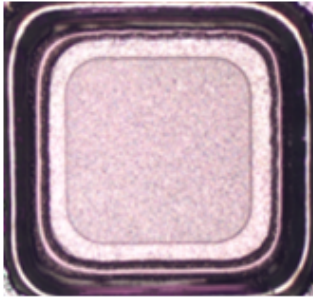
Top & side view



Description of Change (To) :

Fab process: GPP with SIPOS (Semi-Insulation Polycrystalline Silicon)

Top & side view



Reason for Change:

SIPOS technology will improve production stability and increase the quantity of final output.
and after SIPOS implementation there will be no change in either datasheet limit or die/package's physical dimension.

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
Q20150106A	MDB10S	MicroDIP	SIPOS	3

Test Description:	Condition:	Standard:	Duration:	Results:
Temperature Humidity Bias Test	85%RH, 85C, 80% BV	JESD22-A101B	1000 hrs	0/231
High Temperature Reverse Bias Test	150C, 80% BV	JESD22-A108	1000 hrs	0/231
Temperature Cycle	-55C, 150C	JESD22-A104	1000cycles	0/231