

Date Created : 2007/05/10
 Date Issued On : 2007/06/13
 PCN# : Q2071910

DESIGN/PROCESS CHANGE NOTIFICATION -- FINAL

This is to inform you that a design and/or process change will be made to the following product(s). This notification is for your information and concurrence.

If you require data or samples to qualify this change, please contact **Fairchild Semiconductor within 30 days of receipt of this notification.**

Updated process quality documentation, such as FMEAs and Control Plans, are available for viewing upon request.

If you have any questions concerning this change, please contact:

Technical Contact:

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PCN Originator:

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Implementation of change:

Expected 1st Device Shipment Date: 2007/06/24

Earliest Year/Work Week of Changed Product: G26

Change Type Description: Lead Frame Composition

Description of Change (From): TO-3PN Package :L/F plating change : from Bare Cu L/F + With pre-bake process

Description of Change (To): to Ni plated L/F + Without pre-bake process

Reason for Change : To simplify the assembly process and improve the high-temperature reliability

Qual/REL Plan Numbers : Q20070196

Passed 1000Hrs items

Qualification :

Passed 1000Hrs items

Results/Discussion

Test: (Autoclave)				
Lot	Device	96-HOURS	Failure Code	
Q20070196AAACLV	FDA8440	0/77		
Q20070196ABACLV	FDA8440	0/77		
Q20070196ACACLV	FDA8440	0/77		
Test: (Power Cycle)				
Lot	Device	3000-CYCLES	6000-CYCLES	Failure Code
Q20070196AAPRCL	FDA8440	0/77		
Q20070196AAPRCL	FDA8440		0/77	

Q20070196ABPRCL	FDA8440	0/77		
Q20070196ABPRCL	FDA8440		0/77	
Q20070196ACPRCL	FDA8440	0/77		
Q20070196ACPRCL	FDA8440		0/77	
Test: -55, 150C (Temperature Cycle)				
Lot	Device	500-CYCLES	1000-CYCLES	Failure Code
Q20070196AATMCL3	FDA8440	0/77		
Q20070196AATMCL3	FDA8440		0/77	
Q20070196ABTMCL3	FDA8440	0/77		
Q20070196ABTMCL3	FDA8440		0/77	
Q20070196ACTMCL3	FDA8440	0/77		
Q20070196ACTMCL3	FDA8440		0/77	
Test: 130C (Highly Accelerated Stress Test)				
Lot	Device	96-HOURS		Failure Code
Q20070196AAHAST1	FDA8440	0/77		
Q20070196ABHAST1	FDA8440	0/77		
Q20070196ACHAST1	FDA8440	0/77		

Product Id Description : There is Power Trench Product, FDA8440.

Affected FSIDs :

FDA8440		
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