

Date Created : 2008/07/04
Date Issued On : 2008/08/25
PCN# : Q3082701

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:

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Implementation of change:
Expected 1st Device Shipment Date: 2008/11/27

Earliest Year/Work Week of Changed Product: 0848

Change Type Description: Manufacturing Location

Description of Change (From): Plant 1 in Bangna, being the current Assembly Location.

Description of Change (To): Plant 2 in Wellgrow, being the new Assembly Location. SOT package stopped assembly in Plant 1.

Reason for Change : To transfer SOT package from assembly plant 1 to assembly plant 2 to expand the production capacity. Testing of SOT package remains in Plant 3.

Qual/REL Plan Numbers : Q20080323

All reliability tests outlined in Q20080323 were performed in UTAC. All tests in the qualification plan were successfully completed with no valid failure detected and meet the requirements for release. As such, qualification for SOT package transfer from UTAC 1 (UTL1) to UTAC 2 (UTL2) is qualified.

Qualification :

Qualification Plan Result is available in Qualification Plan result # Q20080323.

Results/Discussion for Qual Plan Number Q20080323

Test: (High Temperature Storage Life)			
Lot	Device	1000-HOURS	Failure Code
Q20080323AAHTSL	FAN2502S25X	0/77	
Q20080323ABHTSL	FAN2502S25X	0/77	
Q20080323ACHTSL	FAN2502S25X	0/77	

Q20080323ADHTSL	FAN2502S25X	0/77	
Test: -65C, 150C (Temperature Cycle)			
Lot	Device	100-CYCLES	500-CYCLES
Q20080323AATMCL1	FAN2502S25X	0/77	
Q20080323AATMCL1	FAN2502S25X		0/77
Q20080323ABTMCL1	FAN2502S25X	0/77	
Q20080323ABTMCL1	FAN2502S25X		0/77
Q20080323ACTMCL1	FAN2502S25X	0/77	
Q20080323ACTMCL1	FAN2502S25X		0/77
Q20080323ADTMCL1	FAN2502S25X	0/77	
Q20080323ADTMCL1	FAN2502S25X		0/77
Test: 130C (Highly Accelerated Stress Test)			
Lot	Device	96-HOURS	Failure Code
Q20080323AAHAST1	FAN2502S25X	0/77	
Q20080323ABHAST1	FAN2502S25X	0/77	
Q20080323ACHAST1	FAN2502S25X	0/77	
Q20080323ADHAST1	FAN2502S25X	0/77	
Test: MSL(1), PKG(Small), PeakTemp(260c), Cycles(3) (Precondition)			
Lot	Device	Results	Failure Code
Q20080323AAPCNL1A	FAN2502S25X	0/231	
Q20080323ABPCNL1A	FAN2502S25X	0/231	
Q20080323ACPCNL1A	FAN2502S25X	0/231	
Q20080323ADPCNL1A	FAN2502S25X	0/231	

Product Id Description : SOT package in UTAC.

Affected FSIDs :

FAN2500S25X	FAN2500S26X	FAN2500S27X
FAN2500S285X	FAN2500S28X	FAN2500S30X
FAN2500S33X	FAN2500SX	FAN2501S25X
FAN2501S26X	FAN2501S27X	FAN2501S285X
FAN2501S28X	FAN2502S25X	FAN2502S26X
FAN2502S27X	FAN2502S285X	FAN2502S28X
FAN2502S30X	FAN2502S315X	FAN2502S33X
FAN2502SX	FAN2503S25X	FAN2503S26X
FAN2503S27X	FAN2503S285X	FAN2503S28X
FAN2503S30X	FAN2503S33X	FAN2504S25X
FAN2504S26X	FAN2504S27X	FAN2504S285X
FAN2504S28X	FAN2504S30X	FAN2504S33X
FAN2505S26X	FAN2505S27X	FAN2505S285X
FAN2505S28X	FAN2505S30X	FAN2508S26X
FAN2508S27X	FAN2508S285X	FAN2508S28X
FAN2508SX	FAN2509S26X	FAN2509S27X
FAN2509S285X	FAN2509S28X	FAN2509S30X
FAN2510S25X	FAN2510S26X	FAN2510S27X
FAN2510S285X	FAN2510S28X	FAN2510S30X
FAN2510SX	FAN2511S25X	FAN2511S26X
FAN2511S27X	FAN2511S285X	FAN2511S28X
FAN2511S30X	FAN2512S25X	FAN2512S26X
FAN2512S27X	FAN2512S285X	FAN2512S28X
FAN2512S30X	FAN2512S33X	FAN2512SX
FAN2513S25X	FAN2513S26X	FAN2513S27X
FAN2513S285X	FAN2513S28X	FAN2513S30X
FAN2513S33X	FAN2514S25X	FAN2514S26X

FAN2514S27X	FAN2514S285X	FAN2514S28X
FAN2514S30X	FAN2514S33X	FAN2514SX
FAN2515S25X	FAN2515S26X	FAN2515S27X
FAN2515S285X	FAN2515S28X	FAN2515S30X
FAN2518S25X	FAN2518S26X	FAN2518S27X
FAN2518S28X	FAN2519S26X	FAN2519S27X
FAN2519S285X	FAN2519S28X	FAN2519S30X
FAN2535S26X		