

Date Created : 2008/10/08
Date Issued On : 2008/10/24
PCN# : Q4084101

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: 2009/01/31

Earliest Year/Work Week of Changed Product: 0905

Change Type Description: Alternate Assembly/Test Location/Qualification

Description of Change (From): Tianjin Everwell Technology,located in TianJin city,China

Description of Change (To): YangXingEverWell Electronics,located in YangXin city,China,is being added as an alternative assembly/test location.There is no difference in package dimension,process and material between the 2 sites

Reason for Change : Alternative Assembly/Test site to increase capacity

Qual/REL Plan Numbers : Q20080457

Qualification :

contain in the iRel report Q20080457

Results/Discussion for Qual Plan Number - Q20080457

Test: (Autoclave) Conditions: 100%RH, 121C Standard: JESD22-A102				
Lot	Device	Setpoint	Result	Failure Code
Q20080457AAACLV	ES3D	96-HOURS	0/77	
Q20080457BAACLV	SMCJ60CA	96-HOURS	0/77	
Q20080457CAACLV	S3M	96-HOURS	0/77	

Test: (High Humidity, High Temp, Rev. Bias) Conditions: 85%RH, 85C, 80% of Rated BV Standard: JESD22-A101B				
Lot	Device	Setpoint	Result	Failure Code
Q20080457AAH3TRB	ES3D	168-HOURS	0/77	

		500-HOURS	0/77	
		1000-HOURS	0/77	
Q20080457BAH3TRB	SMCJ60CA	168-HOURS	0/77	
		500-HOURS	0/77	
		1000-HOURS	0/77	
Q20080457CAH3TRB	S3M	168-HOURS	0/77	
		500-HOURS	0/77	
		1000-HOURS	0/77	
Test: (High Temperature Reverse Bias) Conditions: 125C, 80% of Rated BV Standard: JESD22-A108				
Lot	Device	Setpoint	Result	Failure Code
Q20080457AAHTRB	ES3D	168-HOURS	0/77	
		500-HOURS	0/77	
Q20080457BAHTRB	SMCJ60CA	168-HOURS	0/77	
		500-HOURS	0/77	
Q20080457CAHTRB	S3M	168-HOURS	0/77	
		500-HOURS	0/77	
Test: (Power Cycle) Conditions: 125C Standard: MIL-STD-750-1036				
Lot	Device	Setpoint	Result	Failure Code
Q20080457AAPRCL	ES3D	5000-CYCLES	0/77	
		10000-CYCLES	0/77	
Test: (Power Cycle) Conditions: 125C Standard: MIL-STD-750-1036				
Lot	Device	Setpoint	Result	Failure Code
Q20080457BAPRCL	SMCJ60CA	5000-CYCLES	0/77	
		10000-CYCLES	0/77	
Q20080457CAPRCL	S3M	5000-CYCLES	0/77	
		10000-CYCLES	0/77	
Test: (Precondition) Conditions: Standard: JESD22-A113				
Lot	Device	Setpoint	Result	Failure Code
Q20080457AAPCNL1A	ES3D		0/231	
Q20080457BAPCNL1A	SMCJ60CA		0/231	
Q20080457CAPCNL1A	S3M		0/231	
Test: (Resistance to Solder Heat) Conditions: Standard: JESD22-B106				
Lot	Device	Setpoint	Result	Failure Code
Q20080457AARSDH	ES3D		0/30	
Q20080457BARSDH	SMCJ60CA		0/30	
Q20080457CARSDH	S3M		0/30	
Test: (Temperature Cycle) Conditions: -55C, 150C Standard: JESD22-A104				
Lot	Device	Setpoint	Result	Failure Code
Q20080457AATMCL3	ES3D	500-CYCLES	0/77	
		1000-CYCLES	0/77	
Q20080457BATMCL3	SMCJ60CA	500-CYCLES	0/77	
		1000-CYCLES	0/77	
Q20080457CATMCL3	S3M	500-CYCLES	0/77	
		1000-CYCLES	0/77	

Product Id Description :

Affected FSIDs :

ES3A	ES3B	ES3C
ES3D	ES3J	S310
S3A	S3B	S3D
S3G	S3J	S3K
S3M	SMCJ100A	SMCJ100CA
SMCJ10A	SMCJ10CA	SMCJ110A
SMCJ110CA	SMCJ11A	SMCJ11CA
SMCJ120A	SMCJ120CA	SMCJ12A
SMCJ12CA	SMCJ130A	SMCJ130CA
SMCJ13A	SMCJ13CA	SMCJ14A
SMCJ14CA	SMCJ150A	SMCJ150CA

SMCJ15A	SMCJ15CA	SMCJ160A
SMCJ160CA	SMCJ16A	SMCJ16CA
SMCJ170A	SMCJ170CA	SMCJ17A
SMCJ17CA	SMCJ18A	SMCJ18CA
SMCJ20A	SMCJ20CA	SMCJ22A
SMCJ22CA	SMCJ24A	SMCJ24CA
SMCJ26A	SMCJ26CA	SMCJ28A
SMCJ28CA	SMCJ30A	SMCJ30CA
SMCJ33A	SMCJ33CA	SMCJ36A
SMCJ36CA	SMCJ40A	SMCJ40CA
SMCJ43A	SMCJ43CA	SMCJ45A
SMCJ45CA	SMCJ48A	SMCJ48CA
SMCJ51A	SMCJ51CA	SMCJ54A
SMCJ54CA	SMCJ58A	SMCJ58CA
SMCJ5V0A	SMCJ5V0CA	SMCJ60A
SMCJ60CA	SMCJ64A	SMCJ64CA
SMCJ6V0A	SMCJ6V0CA	SMCJ6V5A
SMCJ70A	SMCJ70CA	SMCJ75A
SMCJ75CA	SMCJ78A	SMCJ78CA
SMCJ7V0A	SMCJ85A	SMCJ85CA
SMCJ90A	SMCJ90CA	SMCJ9V0A
SS32	SS33	SS34
SS35	SS36	SS38
SS39		