

Date Created : 2007/11/05
Date Issued On : 2007/11/15
PCN# : Q4074501

FORECAST CHANGE NOTIFICATION

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. This is a preliminary notification. A Final PCN will be issued when qualification is complete and data is available.

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

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: 2008/02/16

Earliest Year/Work Week of Changed Product: 0807

Change Type Description: Alternate Fab Location

Description of Change (From): Selected planar UltraFET products are currently manufactured using below fab locations: 1) Fairchild's 8" fab process in Mountain Top, PA, USA. 2) Advanced Semiconductor Manufacturing Corp (ASMC) 6" fab process in Shanghai, China. 3) Central Semiconductor Manufacturing Corp (CSMC) 6" fab process in Wuxi, China.

Description of Change (To): Products will also be qualified using Central Semiconductor Manufacturing Corp (CSMC) 6" fab process located in Beijing, China. There will be no change to the layout, die size, geometry, substrate, device specifications, performance and function of any affected devices. Quality and reliability will remain at the highest standard. The process and materials used are identical to the original manufacturing sites.

Reason for Change : Central Semiconductor Manufacturing Corp (CSMC), one of Fairchild Semiconductor's approved vendors, is adding a 6" wafer capacity located in Beijing, China for processing existing planar UltraFET products. This will be an alternate fab site for these products.

Qual/REL Plan Numbers : Q20070430

Qualification :

Qualification testing will be using test vehicle HUF75321S3S, planar UltraFET 55 volt in D2PAK package (3 fab lots). The products identified in the attached "Affected FSIDs" list have been qualified at our foundry Central Semiconductor Manufacturing Corp (CSMC) Wuxi 6" facility for wafer fabrication.

Qualification Stress Test and Sample Size Detail

Device #1	HUF75321S3S
Package:	-1
#Leads:	-1

Precondition Description:

				Read-points	Sample		
Stress	P/C	Standard	Conditions		A	B	C
PCNL1B		JESD22-A113			0	0	0

Environment Stress Detail:

				Readpoints			Samples		
Stress	P/C	Standard	Conditions	TP1	TP2	TP3	A	B	C
ACLV	X	JESD22-A102	100%RH, 121C	96			77	77	77
H3TRB	X	JESD22-A101B	85%RH, 85C, 80% of related BV	168	500	1000	77	77	77
HTGB		JESD22-A108	150C, 100% VgsV	168	500	1000	77	77	77
HTRB		JESD22-A108	150C, 80% of related BV	168	500	1000	77	77	77
HTRB		JESD22-A108	Delta 100CC, 2 Min of/off	168	500	1000	77	77	77
PRCL		MIL-STD-750-1036	Delta 100CC, 3.5 min on/off	5000	8572		77	77	77
TMCL1	X	JESD22-A104	-65C, 150C	100	500		77	77	77

Product Id Description : Fairchild Semiconductor's selected BUZxx, HRFxx, HUF75xx, RFDxx, RFGxx, RFPxx planar UltraFET products currently manufactured using Fairchild's 8" fab process in Mountain Top, PA, USA, Advanced Semiconductor Manufacturing Corp (ASMC) 6" fab process in Shanghai, China and Central Semiconductor Manufacturing Corp (CSMC) 6" fab process in Wuxi, China. Please refer to affected FSID listing attached.

Affected FSIDs :

BUZ11_NR4941	HRF3205	HRF3205_F102
HRFZ44N	HUF75229P3	HUF75307D3
HUF75307D3ST	HUF75307D3_NL	HUF75307T3ST
HUF75307T3ST_NL	HUF75321D3	HUF75321D3S
HUF75321D3ST	HUF75321P3	HUF75321P3_NL
HUF75321S3S	HUF75329D3	HUF75329D3S
HUF75329D3ST	HUF75329P3	HUF75329S3
HUF75329S3ST	HUF75332P3	HUF75332P3_NL
HUF75332S3ST	HUF75333P3	HUF75333P3_NS2552
HUF75333S3ST	HUF75339G3	HUF75339P3
HUF75339P3_NS2552	HUF75343P3	HUF75343P3_NL
HUF75343S3S	HUF75343S3ST	HUF75344G3
HUF75344G3_NL	HUF75344P3	HUF75344P3_NL
HUF75344S3ST	HUF75345G3	HUF75345G3_NL
HUF75345P3	HUF75345P3_NL	HUF75345S3
HUF75345S3S	HUF75345S3ST	HUF75345S3ST_NL
PCF70N06W	RFD14N05	RFD14N05SM
RFD14N05SM9A	RFD14N05SM_NL	RFD14N05_NL
RFD16N05	RFD16N05SM	RFD16N05SM9A
RFD16N05SM9A_NL	RFD3055SM	RFD3055SM9A

RFG70N06	RFG70N06_NL	RFP3055
RFP45N06	RFP50N06	RFP50N06_F102
RFP50N06_NL	RFP70N06	RFP70N06_NL