



Date Created: 1/23/2004

Date Issued: 2/13/2004

PCN # 20040403

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:

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PCN Originator

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REL Engineer

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PCN Type: Bond Wire Material Composition

Effectivity

Expected 1st Device Shipment Date: 5/11/2004
Earliest Year/Work Week of Changed Product: 0420
(Note: Package marking may differ from this format)

Product ID (Description):

This change will affect certain products currently assembled in our SO-8 package at our Penang factory. The products affected by this change are listed below in the "Affected FSIDs" section.

Description of Change:

Wire bond material to be changed from gold (Au) wire to copper (Cu) wire for Discrete Products Group SO8 devices manufactured in our Penang, Malaysia assembly facility. Copper wire bonded parts will be marked with an identifier. There will be no change in the wire diameter and no change in the type of thermosonic bonding process used.

Effect of Change:

This change will have no adverse impact on any of the electrical parameters of the products involved. The product test conditions, test limits and performance will remain unchanged. Products will be built with the same level of quality and reliability.

Qualification:

The qualification of this change will consist of key silicon vehicles in a broad range of products in the S08 package.

Qual/REL Plan Numbers

Qual Plan: Q20030141

From: cpmtep Date: 7/16/2003 Qual Plan: Q20030141

Requestor of Qualification: CS Ti

Device: FDS2572

Product Line: 02XD24 Product Family Code: 21

Stress Test	High Temp	Low Temp	% Hum	PSI	Spl A	TPT Dura	
TMCL	150	-65			77	77	100 500
PRCL	25				77	77	5000 10000
HTSL	175				77	77	168 500 1000
HTRB	175				77	77	168 500 1000
HTGB	175				77	77	168 500 1000
HAST	130		85	22.5	77	96	96
ACLV	121		100	15	77	96	96
TOTAL					539		

Device: FDS2670

Product Line: 02XD24 Product Family Code: 54

Stress Test	High Temp	Low Temp	% Hum	PSI	Spl A	TPT Dura	
TMCL	150	-65			79	79	100 500
PRCL	25				77	77	5000 10000
HTSL	175				77	77	168 500 1000
HTRB	175				77	77	168 500 1000
HTGB	175				77	77	168

500
1000

HAST	130		85	22.5	77	96	
						96	
ACLV	121		100	15	77	96	
						96	
TOTAL					541		

Device: FDS3672
Product Line: 02XD24 Product Family Code: 21

Stress Test	High Temp	Low Temp	% Hum	PSI	Spl A	TPT Dura	
TMCL	150	-65			79	79	100 500
PRCL	25				77	77	5000 10000
HTSL	175				77	77	168 500 1000
HTRB	175				77	77	168 500 1000
HTGB	175				77	77	168 500 1000
HAST	130		85	22.5	77	96	
						96	
ACLV	121		100	15	77	96	
						96	
TOTAL					541		

Device: FDS6676
Product Line: 02XD24 Product Family Code: 54

Stress Test	High Temp	Low Temp	% Hum	PSI	Spl A	TPT Dura	
TMCL	150	-65			79	79	100 500
PRCL	25				77	77	5000 10000
HTSL	175				77	77	168 500 1000
HTRB	175				77	77	168 500 1000
HTGB	175				77	77	168 500 1000
HAST	130		85	22.5	77	96	
						96	
ACLV	121		100	15	77	96	
						96	
TOTAL					541		

Device: FDS6676S

Product Line: 02XD24 Product Family Code: 54

Stress Test	High Temp	Low Temp	% Hum	PSI	Spl A	TPT Dura	
TMCL	150	-65			79	79	100 500
PRCL	25				77	77	5000 10000
HTSL	175				77	77	168 500 1000
HTRB	175				77	77	168 500 1000
HTGB	175				77	77	168 500 1000
HAST	130		85	22.5	77	96	96
ACLV	121		100	15	77	96	96
TOTAL					541		

Device: FDS6688

Product Line: 02XD24 Product Family Code: 54

Stress Test	High Temp	Low Temp	% Hum	PSI	Spl A	TPT Dura	
TMCL	150	-65			79	79	100 500
PRCL	25				77	77	5000 10000
HTSL	175				77	77	168 500 1000
HTRB	175				77	77	168 500 1000
HTGB	175				77	77	168 500 1000
HAST	130		85	22.5	77	96	96
ACLV	121		100	15	77	96	96
TOTAL					541		

Affected FSIDs

4WS1_B4W003A	5AS1_B5A001D	5ES1_B5E001D
5ES1_B5E006C	5ES1_B5E007B	5ES1_B5E014A
5FS1_B5F001F	5FS1_B5F009D	5FS1_B5F013D
5FS1_B5F014C	5FS1_B5F015B	5MS1_B5M002C
5MS1_B5M004C	5MS1_TPC8002E	5NS1_B5N002B
6KS1_B6K003B	6KS1_B6K004A	7OS1_B7O001B
8HS1_B8H011A	9CS1_B9C011C	9ES1_B9E002C
9FS1_B9F001C	9HS1_B9H001D	9HS1_B9H003B

AMS1_BAM001A
BIS1_B5F009D
BIS1_J8007F
CPS1_BCP001A
FDS2670
FDS3580
FDS3612
FDS3690
FDS3912
FDS4435A
FDS4480
FDS4559
FDS4935
FDS5670
FDS6294
FDS6572A
FDS6576
FDS6614A
FDS6670A
FDS6675
FDS6676S
FDS6679Z
FDS6680S
FDS6688
FDS6690S
FDS6812A
FDS6892A
FDS6894AZ
FDS6900S
FDS6930A
FDS6975
FDS6984S
FDS6990S
FDS8333C
FDS8928A
FDS8947A
FDS9412
FDS9926A
FDS9945
HHS1_BHH003C
J8S1_BJ8002C
NDS8426A
NDS8858H_F40
NDS9400A_D87Z
NDS9430
NDS9933A
NDS9948
SI4410DY
SI4420DY
SI4435DY
SI4466DY
SI4532DY
SI4822DY
SI4884DY
SI4936DY
SI9410DY
SI9435DY

BAS1_BBA001B
BIS1_B5F010G
BMS1_B5M003C
CPS1_BCP002A
FDS3512
FDS3590
FDS3670
FDS3812
FDS4410
FDS4465
FDS4488
FDS4672A
FDS4935A
FDS5680
FDS6375
FDS6574A
FDS6609A
FDS6630A
FDS6670S
FDS6675A
FDS6678A
FDS6680
FDS6682
FDS6690
FDS6692
FDS6875
FDS6892AZ
FDS6898A
FDS6912
FDS6961A
FDS6982
FDS6986S
FDS6993
FDS8433A
FDS8934A
FDS8958A
FDS9431A
FDS9933A
FDS9953A
HJS1_BHJ002E
NDS8410A
NDS8434A
NDS8936_F40
NDS9407
NDS9435A
NDS9936
NYS1_BNY001A
SI4412DY
SI4425DY
SI4450DY
SI4467DY
SI4539DY
SI4835DY
SI4920DY
SI4953DY
SI9424DY
SI9926DY

BDS1_BBD001A
BIS1_B5F013D
CPS1_B4M001D
FDS2570
FDS3570
FDS3601
FDS3680
FDS3890
FDS4435
FDS4470
FDS4501H
FDS4675
FDS4953
FDS5690
FDS6570A
FDS6575
FDS6612A
FDS6644
FDS6672A
FDS6676
FDS6679
FDS6680A
FDS6685
FDS6690A
FDS6694
FDS6890A
FDS6894A
FDS6898AZ
FDS6912A
FDS6961AZ
FDS6982S
FDS6990A
FDS6994S
FDS8926A
FDS8936A
FDS9400A
FDS9435A
FDS9934C
HHS1_BHH001D
J5S1_BJ5002C
NDS8425
NDS8435A
NDS8961_F011
NDS9410A
NDS9925A
NDS9947
SBND001A
SI4416DY
SI4431DY
SI4463DY
SI4480DY
SI4542DY
SI4874DY
SI4925DY
SI4963DY
SI9426DY
SI9933ADY

SI9934DY
SI9955DY

SI9936DY

SI9945DY