



Date Created: 2/8/2004
Date Issued: 2/23/2004
PCN # 20040605

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:

Name: JONG, MANKYO
E-Mail: MANKYO.JONG@notes.fairchildsemi.com
Phone: 82-32-680-1749

PCN Originator

Name: SONG, HEEYUNG
E-mail: HEEYUNG.SONG@notes.fairchildsemi.com
Phone: 82-32-680-1216

REL Engineer

Name: Chung, Sangmin
E-mail: Sangmin.Chung@notes.fairchildsemi.com
Phone: 82-32-680-1804

PCN Type: Alternate Assembly/Test Location/Qualification

Effectivity

Expected 1st Device Shipment Date: 5/17/2004
Earliest Year/Work Week of Changed Product: 0421
(Note: Package marking may differ from this format)

Product ID (Description):

All BJT and MosFET devices packaged in TO-3P.

Description of Change:

Wooseok S. Tech Corporation in Korea will be qualified as an alternative assembly and test site for Fairchild's BJT and MOSFET devices in the TO-3P package. These products will be continuously assembled and tested by the existing qualified suppliers such as ENOCH and SP in Korea.

Effect of Change:

This change will not affect any electrical characteristics & reliability.
The change will enlarge the production capacity to meet customer's needs.

Item	Test condition	Sample Size	Read out
HTRB	Ta=125°C, Vds=720V, Vgs=0V	77 ea * 1lot	168/500/1000hr
HTGB	Ta=150°C, Vds=0V, Vgs=30V	77ea * 1lot	168/500/1000hr
ACLV	Ta=121°C, RH=100%, 15 PSIG	77 ea * 1lot	96 hr
TMCL	Air to air, - 65°C ~ 150°C	77 ea * 1lot	200/500 Cycle

There is no difference in assembly materials or packing materials. Under Fairchild's control, the same testing program will be applied to test the products from the Wooseok Location.

Qualification:

The qualification plan is intended to meet our criteria for qualifying an alternative assembly & test site, the overall quality and reliability of our products.

Qual/REL Plan Numbers

Additional Qualification Data

* The FQA9N90C is a representative device for this reliability testing.

* The KSE13009L is a representative device for this reliability testing.

Item	Test condition	Sample Size	Read out
HTRB	Ta=125°C, Vds=720V, Vgs=0V	77 ea * 1lot	168/500/1000hr
ACLV	Ta=121°C, RH=100%, 15 PSIG	77 ea * 1lot	96 hr
TMCL	Air to air, - 65°C ~ 150°C	77 ea * 1lot	200/500 Cycle

Affected FSIDs

FFA05U120DNTU
FFA15U120DNTU
FFA20U120DNTU
FFA20U60DNTU
FFA40U60DNTU
FGA15N120ANTU

FFA10U120DNTU
FFA15U20DNTU
FFA20U20DNTU
FFA30U20DNTU
FFA60U60DNTU
FGA25N120ANDTU

FFA10U40DNTU
FFA15U40DNTU
FFA20U40DNTU
FFA30U60DNTU
FGA15N120ANDTU
FGA25N120ANTU

FGA40N60UFDTU
FJA3835TU
FJA4210YTU
FJA43100TU
FJA43130TU
FQA10N80
FQA11N90
FQA12P20
FQA140N10
FQA160N08
FQA170N06
FQA18N50V2
FQA19N60
FQA22P10
FQA24N60
FQA28N50
FQA33N10
FQA34N20L
FQA36P15
FQA44N08
FQA46N15
FQA55N10
FQA5N90
FQA6N70
FQA6N90C
FQA70N15
FQA7N80C
FQA85N06
FQA8N90C
FQA9N50
FQA9P25
IRFP240B_FP001
IRFP254B_FP001
IRFP440B
KSA30100TU
KSC3552NTU
KSC40100TU
KSC5024RTU
KSC5025RTU
KSC5029RTU
KSC5047TU
SFH154
SFH9240
SGH10N120RUFDTU
SGH10N60RUF TU
SGH15N120RUF TU
SGH20N120RUFDTU
SGH20N60RUF TU
SGH25N120RUF TU
SGH40N60UFDM1TU
SGH5N120RUFDTU
SGH80N60UF TU
SSH45N20B_FP001
TIP140TU
TIP142TU
TIP147TU

FGA50N60LS
FJA42100TU
FJA42130TU
FJA4310RTU
FJA4313RTU
FQA10N80C
FQA11N90C
FQA13N50
FQA14N30
FQA16N25
FQA17N40
FQA19N20
FQA20N40
FQA24N50
FQA27N25
FQA28N50F
FQA33N10L
FQA34N25
FQA38N30
FQA44N10
FQA47P06
FQA55N25
FQA65N06
FQA6N80
FQA70N08
FQA7N60
FQA7N90
FQA8N80
FQA90N08
FQA9N90
IRFP140A
IRFP244B_FP001
IRFP340B
IRFP450B
KSA30100RTU
KSC35520TU
KSC40100RTU
KSC5024YTU
KSC5025YTU
KSC50300TU
KSE13009LTU
SFH9140
SFH9244
SGH10N120RUF TU
SGH13N60UFDTU
SGH15N60RUFDTU
SGH20N120RUF TU
SGH23N60UFDTU
SGH30N60RUFDTU
SGH40N60UFDTU
SGH5N120RUF TU
SSH10N60B
SSH70N10A
TIP141LTU
TIP145TU
TIP41CPTU

FJA13009TU
FJA4210RTU
FJA4213RTU
FJA4310YTU
FQA10N60C
FQA11N40
FQA12N60
FQA13N80
FQA15N70
FQA16N50
FQA17P10
FQA19N20L
FQA22N30
FQA24N50F
FQA28N15
FQA30N40
FQA34N20
FQA35N40
FQA40N25
FQA44N30
FQA48N20
FQA58N08
FQA65N20
FQA6N90
FQA70N10
FQA7N80
FQA7N90M
FQA8N80C
FQA90N15
FQA9N90C
IRFP150A
IRFP250B_FP001
IRFP350A
IRFP460C
KSC2751RTU
KSC3552RTU
KSC50240TU
KSC50250TU
KSC50290TU
KSC5030RTU
MBRA3045NTU
SFH9154
SFH9250L
SGH10N60RUFDTU
SGH15N120RUFDTU
SGH15N60RUF TU
SGH20N60RUFDTU
SGH23N60UF TU
SGH30N60RUF TU
SGH40N60UF TU
SGH80N60UFDTU
SSH22N50A
SSH7N60B
TIP141TU
TIP146TU
TIP42CPTU