



Date Created: 3/16/2004
Date Issued: 3/25/2004
PCN # 20041103

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.**

If you have any questions concerning this change, please contact:

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PCN Originator

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PCN Type: Mold Compound

Effectivity

Expected 1st Device Shipment Date: 6/28/2004
Earliest Year/Work Week of Changed Product: 0427
(Note: Package marking may differ from this format)

Product ID (Description):

Some MOSFET devices packaged in D2- PAK .

Description of Change:

Fairchild will change the EMC model to improve Quality and Reliability.
EMC model will be changed from SL7300HX and KTMC5400SM to KTMC5850SM.

	Current	Future
Mold Compound	SL7300HX/KTMC5400SM	KTMC5850SM
FSID	FSID_AM003, FSID_AM004	FSID
	FSID_NL	FSID_NL

Effect of Change:

There will be no impact to the functionality or electrical characteristics of this device.
Product quality and reliability will be improved.

Qualification:

The qualification plan is intended to meet all our criteria for qualifying a EMC model and the overall quality and reliability of our products.

Qual/REL Plan Numbers

Additional Qualification Data

* The FQB34N20 is a representative device for this reliability testing.

Item	Test condition	Test Hour	Sample Size	Result
HTRB	Ta=150°C , Vds=160V,	168/500/1000hr	77 ea	0/77
HTGB	Ta=150°C , Vgs=30V	168/500/1000hr	77ea	0/77
PRECON	Ta=85 , RH=85 *IR(250°C)	168hr	231ea	0/231
THBT	Ta=85, RH=85, Vds=100V	200/500/1000Cycle	77 ea	0/77
ACLV	Ta=121°C, RH=100%, 15 PSIG	96 hr	77 ea	0/77
TMCL	Air to air, - 65°C ~ 150°C	200/500 Cycle	77 ea	0/77

Affected FSIDs

FQB34N20TM_AM004
FQB9P25TM_NL
IRFW630BTM_NFP001
IRFW720BTM_AM003
IRFW840BTM_NL

FQB65N06TM_NL
IRFW530ATM_NL
IRFW634BTM_AM003
IRFW720BTM_NL

FQB7N60TM_AM003
IRFW540ATM_NL
IRFW640BTM_NFP001
IRFW730BTM_NL