

DESIGN/PROCESS CHANGE NOTIFICATION

This is to inform you that a change is being made to the products listed below.

Unless otherwise indicated in the details of this notification, the identified change will have no impact on product quality, reliability, electrical, visual or mechanical performance and affected products will remain fully compliant to all published specifications. Products incorporating this change may be shipped interchangeably with existing unchanged products.

This change is planned to take effect in 90 calendar days from the date of this notification. Please work with your local Fairchild Sales Representative to manage your inventory of unchanged product if your evaluation of this change will require more than 90 calendar days.

Please contact your local Customer Quality Engineer within 30 days of receipt of this notification if you require any additional data or samples. Alternatively, you may send an email request for data, samples or other information to PCNSupport@fairchildsemi.com.

Implementation of change:

Expected First Shipment Date for Changed Product : Dec. 31, 2012

Expected First Date Code of Changed Product :0113

Description of Change (From) :

TO247 package assembled in Fairchild Suzhou site, which currently use the qualified mold compound: EME6600CS (Sumitomo)

Description of Change (To) :

TO247 package assembled in Fairchild Suzhou site will use the alternatively qualified mold compound: SG8200DL (Halogen Free, Cheil)

Reason for Change:

This is a change to mold compound used for Fairchild products assembled in TO247 package. There is no change to the currently approved assembly facility or any other materials used to produce these products. Package outline drawing of the affected products remain un-changed. Affected products will be fully compliant to all published data sheet specifications. Quality and reliability will remain at the highest standards already demonstrated with Fairchild's existing TO247 products. If you require data or samples to evaluate this change, please contact Fairchild Semiconductor within 30 days of receipt of this notification.

Affected Product(s):

FCH35N60	FDH038AN08A1	FDH047AN08A0
FDH055N15A	FDH210N08	FDH3632
FDH44N50	FDH45N50F_F133	FDH50N50_F133
FFH15S60STU	FFH30S60STU	FFH30US30DN
FFH50US60S	FFH60UP40S	FFH60UP40S3
FFH60UP60S	FFH60UP60S3	FGH20N60SFDTU
FGH20N60UFDTU	FGH30N60LSDTU	FGH40N60SFDTU
FGH40N60SFTU	FGH40N60UFDTU	FGH40N60UFDTU_SN00006
FGH40N60UFTU	FGH40N60UFTU_SN00007	FGH40N65UFDTU
FGH50N3	FGH50N6S2D	FGH60N60SFDTU
FGH60N60SFTU	FGH60N60UFDTU	FGH75N60UFTU
FGH80N60FD2TU	FGH80N60FDTU	FQH44N10_F133
FQH8N100C	HGTG12N60A4D	HGTG20N60A4
HGTG20N60B3	HGTG20N60B3D	HGTG30N60A4
HGTG30N60B3	HGTG30N60B3D	HGTG30N60C3D
HGTG40N60A4	HGTG40N60B3	HGTG7N60A4D
HUF75344G3	HUF75345G3	HUF75639G3
HUF75652G3	HUF75852G3	ISL9K1560G3
ISL9K3060G3	ISL9R1560G2	ISL9R18120G2
ISL9R2480G2_S2611	ISL9R30120G2	ISL9R3060G2
RHRG1560CC	RHRG30120	RHRG3060
RHRG3060CC	RHRG5060	RHRG75120
RURG1520CC	RURG3020CC	RURG3060
RURG3060CC	RURG5060	RURG5060_R4857
RURG80100	RURG8060	

Qualification Plan	Device	Package	Description	No. of Lots
QP08250689-3	FDH50N50_F133	TO247	Green EMC SG8200DL	1

Test Description & Condition:	Standard :	Duration:	Results:
HTRB@ 80% of Rated BV, Tj max	JESD22-A108	168, 500, 1k hrs	0/77
HTGB@ 100 % Rated VGS, Tj max	JESD22-A108-B	168, 500, 1k hrs	0/77
PRCL @ 125°C TJC, delta Tj of 100 C, 5 min on, 5 min off	Mil Std 750 Method 1037 JESD22-A105	4K, 6K	0/77
H3TRB, 85 C/ 85% RH, 80% of Rated BV	JESD22-A110-B JESD22A-101	168,500,1k hours	0/77
TMCL@ -65C to 150 C, 30 min/cycle	JESD22-A104	200,500 cycles	0/77

Qualification Plan	Device	Package	Description	No. of Lots
QP08250689-3	FGH80N60FDTU	TO247	Green EMC SG8200DL	1

Test Description & Condition:	Standard :	Duration:	Results:
HTRB@ 80% of Rated BV, Tj max	JESD22-A108	168, 500, 1k hrs	0/77
HTGB@ 100 % Rated VGS, Tj max	JESD22-A108-B	168, 500, 1k hrs	0/77
PRCL @ 125°C TJC, delta Tj of 100 C, 5 min on, 5 min off	Mil Std 750 Method 1037 JESD22-A105	4K, 6K	0/77
H3TRB, 85 C/ 85% RH, 80% of Rated BV	JESD22-A110-B JESD22A-101	168,500,1k hours	0/77
TMCL@ -65C to 150 C, 30 min/cycle	JESD22-A104	200,500 cycles	0/77

Qualification Plan	Device	Package	Description	No. of Lots
QP08250689-3	RHRG75120	TO247	Green EMC SG8200DL	1

Test Description & Condition:	Standard :	Duration:	Results:
HTRB@ 80% of Rated BV, Tj max	JESD22-A108	168, 500, 1k hrs	0/77
PRCL @ 125°C TJC, delta Tj of 100 C, 5 min on, 5 min off	Mil Std 750 Method 1037 JESD22-A105	4K, 6K	0/77
H3TRB, 85 C/ 85% RH, 80% of Rated BV	JESD22-A110-B JESD22A-101	168,500,1k hours	0/77
TMCL@ -65C to 150 C, 30 min/cycle	JESD22-A104	200,500 cycles	0/77