

PCN# : P351A
Issue Date : May. 29, 2013

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 : Aug. 27, 2013

Expected First Date Code of Changed Product :1335

Description of Change (From) :

- Epoxy Mold Compound (EMC): EME6600CS

Description of Change (To) :

- Low-Halogen EMC: SG8200DL

Reason for Change:

- Low-Halogen EMC transfer project for FDP036N10A

Affected Product(s):

FDP036N10A		
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Qualification Plan	Device	Package	Process	No. of Lots
QP09120744-D (QP13020701 for FDP036N10A)	FDP083N15A_F102 (FDP036N10A can be covered)	TO-220	PT5 150V	1

Test Description	Condition	Standard	Duration	Results
High Temperature Gate Bias	175°C, 100% Rated VGS	JESD22-A108	1000 hrs	0/77
High Temperature Reverse Bias	175°C, 80% Rated BV	JESD22-A108	1000 hrs	0/77
High Temperature Storage Life	175°C	JESD22-A103	1000 hrs	0/77
Highly Accelerated Stress Test	130°C, 85%RH, 80% rated BV, max Vds=42V	JESD22-A110	96 hrs	0/77
Power Cycle	Delta 100°C, 2 min on/2 min off	MIL-STD-750-1036	8572 Cycles	0/77
Temperature Cycle	-65°C to 150°C	JESD22-A104	500 Cycles	0/77