

**PCN# : P344A**  
**Issue Date : Apr. 18, 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](mailto:PCNSupport@fairchildsemi.com).

**Implementation of change:**

Expected First Shipment Date for Changed Product : Jul. 17, 2013

Expected First Date Code of Changed Product :1328

Description of Change (From) :

The current fab location is Advanced Semiconductor Manufacturing Corporation Limited (ASMC), 6" fab.

Address:

385 Hong Cao Road

Shanghai 200233, China

Tel: +86 (21) 6485 1900

Fax: +86 (21) 6485 3925

Description of Change (To) :

To transfer and qualify Fairchild Semiconductor fab located in MountainTop, Pennsylvania, 8" fab.

Address:

Crestwood Industrial Park

125 Crestwood Road

Mountain Top, PA 18707

Reason for Change:

To transfer and qualify Fairchild Semiconductor fab location in MountainTop, Pennsylvania, 8" fab.

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**Affected Product(s):**

|           |  |  |
|-----------|--|--|
| PCF76129W |  |  |
|-----------|--|--|

| Qualification Plan | Device   | Package | Process  | No. of Lots |
|--------------------|----------|---------|----------|-------------|
| Test 7128          | HUFD6129 | TO-252  | Ultrafet | 2           |

| Test Description:     | Condition:               | Duration:   | Results: |
|-----------------------|--------------------------|-------------|----------|
| Thermal Fatigue (1)   | PD=2.0W, delta Tj = 100C | 8000 Cycles | 0/154    |
| Drain Bias            | Tc=175C, Vds=80% Rated   | 1000 hrs    | 0/154    |
| Gate Bias             | Tc=175C, Vgs=100% Rated  | 1000 hrs    | 0/154    |
| Temperature Cycle (1) | -55C, +150C, Air         | 1000 Cycles | 0/154    |
| Relative Humidity (1) | Ta=85C, RH=85%, Vds=80V  | 1000 hrs    | 0/154    |
| Operating Life        | Tj=175C, Vds=15V         | 1000 hrs    | 0/80     |
| ESD                   | CDF-AEC-Q101-001         | 200V MM     | 0/10     |

Note 1: Preconditioned