

**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 : Jul. 17, 2012

Expected First Date Code of Changed Product :1229

Description of Change (From) :

Datasheet specifications of the maximum  $t_{on}$  (Turn-on Time) and  $t_{off}$  (Turn-off Time) of 25uS, for all listed products as per attachment list.

Description of Change (To) :

Datasheet specifications of the maximum  $t_{on}$  (Turn-on Time) and  $t_{off}$  (Turn-off Time) of 45uS, for all listed products as per attachment list.

Reason for Change:

To improve alignment of the datasheet specifications to the AC characteristics of the optoelectronics detector devices utilized in the assembly of the attached affected products. Other than these 2 parameters, this 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.

Please contact your local Customer Quality Engineer within 30 days of receipt of this notification if you require any additional data or samples. 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.

**Affected Product(s):**

H11F1M	H11F1SM	H11F1SR2M
H11F1TVM	H11F1VM	H11F3M
H11F3SM	H11F3SR2M	H11F3SR2VM
H11F3SVM	H11F3VM	

Qualification Plan	Device	Package	Process	No. of Lots
Q20070316	H11F1	6P Opto	HVBipolar	4

Test Description:	Condition:	Standard :	Duration:	Results:
MSL1 Precondition	260C, 3 cycles	JESD22-A113		0/1080
Autoclave	121C, 100%RH	JESD22-A102	96 hrs	0/180
Bond Pull		JESD22-C100		0/80
Bond Shear		AEC-Q100-001		0/80
Die Shear		MIL-STD-883-2019		0/80
High Humidity, High Temp, Rev. Bias	85C, 85%RH, 24V	JESD22-A101B	1000 hrs	0/180
High Temperature Op Life Test	100C		1000 hrs	0/180
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/180
Low Temperature Storage	-55C		1000 hrs	0/180
Temperature Cycling	-40 to 125C	JESD22-A108	500 cycles	0/180
Temperature Humidity Bias Testing	85C, 85%RH, 24V	JESD22-A101B	1000 hrs	0/180

Qualification Plan	Device	Package	Process	No. of Lots
Q20100636	FODM3082	MFP	HVBipolar	4

Test Description:	Condition:	Standard :	Duration:	Results:
MSL1 Precondition	260C, 3 cycles	JESD22-A113		0/2000
Bond Pull		JESD22-C100		0/80
Bond Shear		AEC-Q100-001		0/80
Die Shear		MIL-STD-883-2019		0/80
High Humidity, High Temp, Rev. Bias	85C, 85%RH, 480V	JESD22-A101B	1000 hrs	0/253
High Temperature Op Life Test	100C		1000 hrs	0/253
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/253
Low Temperature Storage	-40C		1000 hrs	0/253
Temperature Cycling	-55 to 125C	JESD22-A108	500 cycles	0/253
Temperature Humidity Bias Testing	85C, 85%RH	JESD22-A101B	1000 hrs	0/253