



**PCN# : P491AAB**  
**Issue Date : Oct. 01, 2014**

**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. 30, 2014

Expected First Date Code of Changed Product :1452

Description of Change (From) :  
Single manufacturing source

Description of Change (To) :  
Additional manufacturing source located in Wuxi, China

Reason for Change:  
Manufacturing flexibility. Package outline drawings of the affected products remain unchanged. All of the affected products are fully compliant to all published data sheet and this change will have no impact on their electrical performance. Quality and reliability will remain at the highest standards already demonstrated with Fairchild's existing. Please do not delay in requesting any samples required to approved within the timeframe noted. Please contact your local Fairchild Sales representative to place orders for a sufficient volume of unchanged product if your approval process will require more than 90 days.

Affected Product(s): Please refer to the list of affected products in the addendum attached in the PCN email you received. This list is based on an analysis of your company's procurement history.

Qualification Plan	Device	Package	Process	No. of Lots
Q10100121	ES1J	SMA	GPP	1

Test Description:	Condition:	Standard :	Duration:	Results:
Temperature Humidity Bias Test	85%RH, 85C, 80% BV	JESD22-A101B	1000 hrs	0/77
High Temperature Reverse Bias Test	150C, 80% BV	JESD22-A108	1000 hrs	0/77
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/77
Power Cycle	Delta 100C, 4 Min cycle	MIL-STD-750-1036	10000 cycles	0/77
Temperature Cycle	-55C, 150C	JESD22-A104	500cycles	0/77

Qualification Plan	Device	Package	Process	No. of Lots
Q10100121	ES2D	SMB	GPP	1

Test Description:	Condition:	Standard :	Duration:	Results:
Temperature Humidity Bias Test	85%RH, 85C, 80% BV	JESD22-A101B	1000 hrs	0/77
High Temperature Reverse Bias Test	150C, 80% BV	JESD22-A108	1000 hrs	0/77
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/77
Power Cycle	Delta 100C, 4 Min cycle	MIL-STD-750-1036	10000 cycles	0/77
Temperature Cycle	-55C, 150C	JESD22-A104	500 cycles	0/77

Qualification Plan	Device	Package	Process	No. of Lots
Q10100121	ES3J	SMC	GPP	1

Test Description:	Condition:	Standard :	Duration:	Results:
Temperature Humidity Bias Test	85%RH, 85C, 80% BV	JESD22-A101B	1000 hrs	0/77
High Temperature Reverse Bias Test	150C, 80% BV	JESD22-A108	1000 hrs	0/77
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/77
Power Cycle	Delta 100C, 7 Min cycle	MIL-STD-750-1036	8572 cycles	0/77
Temperature Cycle	-55C, 150C	JESD22-A104	500 cycles	0/77

Qualification Plan	Device	Package	Process	No. of Lots
Q10100121	RS1M	SMA	GPP	1

Test Description:	Condition:	Standard :	Duration:	Results:
Temperature Humidity Bias Test	85%RH, 85C, 80% BV	JESD22-A101B	1000 hrs	0/77
High Temperature Reverse Bias Test	150C, 80% BV	JESD22-A108	1000 hrs	0/77
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/77
Power Cycle	Delta 100C, 4 Min cycle	MIL-STD-750-1036	10000 cycles	0/77
Temperature Cycle	-55C, 150C	JESD22-A104	500 cycles	0/77

Qualification Plan	Device	Package	Process	No. of Lots
Q10100121	EGF1G	SMA	GPP	1

Test Description:	Condition:	Standard :	Duration:	Results:
Power Cycle	Delta 100C, 4 Min cycle	MIL-STD-750-1036	10000 cycles	0/77

---

**Appendix A: Changed Products**


---

DIGI-KEY : DIGI-KEY

PCN Number : P491AAB

Customer Name : DIGI-KEY CORPORATION

Customer Code :

Product	Customer Part Number	BBB	Drawing
EGF1B		Y	N
ES1A		Y	N
ES1B		Y	N
ES1C		Y	N
ES1D		Y	N
ES1F		Y	N
ES1G		Y	N
ES1H		Y	N
ES1J		Y	N
ES2A		Y	N
ES2B		Y	N
ES2C		Y	N
ES2D		Y	N
ES3A		Y	N
ES3B		Y	N
ES3C		Y	N
ES3D		Y	N
ES3J		Y	N
GF1A		Y	N
GF1B		Y	N
GF1D		Y	N
GF1G		Y	N
GF1J		Y	N
GF1M		Y	N
RGF1D		Y	N
RGF1G		Y	N
RGF1J		Y	N
RGF1M		Y	N
RS1A		Y	N
RS1B		Y	N
RS1D		Y	N
RS1G		Y	N
RS1J		Y	N
RS1K		Y	N
RS1M		Y	N

---

**Appendix A: Changed Products**

---

DIGI-KEY CONSIGNMENT : DIGI-KEY C

PCN Number : P491AAB

---

Customer Name : DIGI-KEY CONSIGNMENT

Customer Code

Product	Customer Part Number	BBB	Drawing
EGF1C		Y	N
EGF1D		Y	N
GF1G		Y	N
RGF1A		Y	N
RGF1B		Y	N

---

**Appendix A: Changed Products**

---

DIGI-KEY CONSIGNMENT : DIGI-KEY C

PCN Number : P491AAB

---

Customer Name : DIGI-KEY CONSIGNMENT

Customer Code :

<b>Product</b>	<b>Customer Part Number</b>	<b>BBB</b>	<b>Drawing</b>
EGF1C		Y	N
RGF1B		Y	N
RGF1D		Y	N