

PCN# : P336A
Issue Date : May. 31, 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. 29, 2013

Expected First Date Code of Changed Product :1334

Description of Change (From) :

Manufacturing source for SOT23 package located in Jiangyin City, Jiangsu Province, China

Description of Change (To) :

Manufacturing source for SOT23 package located in Chuzhou City, Anhui Province, China.

Reason for Change:

Fairchild's China Subcontractor moved their manufacturing facility from Jiangyin City to Chuzhou City. The package outline drawings of the affected products remain unchanged. All of the affected products are fully compliant to all published data sheet specifications 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 products.

Affected Product(s):

1049 B10209A	4249 NB42112B	7449 B74043A
BAR43	BAR43C	BAR43S
BAS16	BAS19	BAS20
BAS21	BAS29	BAS31
BAS35	BAT54	BAT54A
BAT54A_G	BAT54C	BAT54S
BAT54S_NBKA001	BAV23S	BAV70
BAV74	BAV99	BAW56
BAW74	BC80716MTF	BC80725MTF
BC80740MTF	BC80840MTF	BC81716MTF
BC81725MTF	BC81740MTF	BC81816MTF
BC81825MTF	BC81840MTF	BC846BMTF
BC846CMTF	BC847AMTF	BC847BMTF
BC847CMTF	BC848BMTF	BC848CMTF
BC850AMTF	BC850CMTF	BC856BMTF
BC856CMTF	BC857AMTF	BC857BMTF
BC858BMTF	BC858CMTF	BC859BMTF
BC860BMTF	BCV26	BCV27
BCW61BMTF	BCW66G	BSR14
BSR16	BSR18A	BSS138K
BZX84C10	BZX84C11	BZX84C12
BZX84C13	BZX84C15	BZX84C16
BZX84C18	BZX84C20	BZX84C20_D87Z
BZX84C22	BZX84C24	BZX84C27
BZX84C30	BZX84C33	BZX84C3V3
BZX84C3V9	BZX84C4V3	BZX84C4V7
BZX84C5V1	BZX84C5V6	BZX84C6V2
BZX84C6V8	BZX84C7V5	BZX84C8V2
BZX84C9V1	FDV301N	FDV302P
FDV303N	FDV304P	FJV1845EMTF
FJV1845FMTF	FJV1845PMTF	FJV3101RMTF
FJV3102RMTF	FJV3103RMTF	FJV3104RMTF
FJV3105RMTF	FJV3110RMTF	FJV3113RMTF
FJV3114RMTF	FJV3115RMTF	FJV4101RMTF
FJV4102RMTF	FJV4104RMTF	FJV4113RMTF
FJV4114RMTF	FJV42MTF	FJV92MTF
FJV992FMTF	FJV992PMTF	FLLD261
KSA1182YMTF	KSA1298YMTF	KSA812YMTF
KSC1623GMTF	KSC1623LMTF	KSC1623YMTF
KSC2223YMTF	KSC3265YMTF	KST05MTF

Affected Product(s):

KST10MTF	KST13MTF	KST14MTF
KST2222AMTF	KST2907AMTF	KST3904MTF
KST3906MTF	KST42MTF	KST43MTF
KST4401MTF	KST4403MTF	KST5087MTF
KST5401MTF	KST5550MTF	KST5551MTF
KST55MTF	KST56MTF	KST92MTF
MMBD1201	MMBD1203	MMBD1204
MMBD1205	MMBD1401	MMBD1401A
MMBD1403	MMBD1403A	MMBD1404
MMBD1404A	MMBD1405	MMBD1405A
MMBD1501A	MMBD1503A	MMBD1505A
MMBD1703A	MMBD1705A	MMBD2838
MMBD4148	MMBD4148CA	MMBD4148CA_F136
MMBD4148CC	MMBD4148SE	MMBD4448
MMBD6050	MMBD7000	MMBD914
MMBF170	MMBT100	MMBT2222A
MMBT2369	MMBT2369A	MMBT2484
MMBT2907	MMBT2907A	MMBT2907A_D87Z
MMBT3904	MMBT3906	MMBT4124
MMBT4126	MMBT4401	MMBT4403
MMBT4403_D87Z	MMBT4403_F065	MMBT5088
MMBT5089	MMBT5179	MMBT5401
MMBT5550	MMBT5551	MMBT6427
MMBT6428	MMBTA05	MMBTA06
MMBTA13	MMBTA14	MMBTA42
MMBTA55	MMBTA56	MMBTA92
MMBTH10	MMBTH81	MMBZ5226B
MMBZ5227B	MMBZ5228B	MMBZ5229B
MMBZ5230B	MMBZ5231B	MMBZ5232B
MMBZ5232BR	MMBZ5233B	MMBZ5234B
MMBZ5235B	MMBZ5236B	MMBZ5237B
MMBZ5238B	MMBZ5239B	MMBZ5240B
MMBZ5241B	MMBZ5242B	MMBZ5243B
MMBZ5244B	MMBZ5245B	MMBZ5246B
MMBZ5247B	MMBZ5248B	MMBZ5250B
MMBZ5251B	MMBZ5252B	MMBZ5253B
MMBZ5254B	MMBZ5255B	MMBZ5256B
MMBZ5257B	NDS0610	NDS7002A

Qualification Plan	Device	Package	Process	No. of Lots
Q20130064	MMBTA92	SOT23	Bipolars	1

Test Description:	Condition:	Standard :	Duration:	Results:
MSL1 Precondition	260C, 3 cycles	JESD22-A113		0/231
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, 2 Min cycle	MIL-STD-750-1036	10000 cycles	0/77
Temperature Cycle	-65C, 150C	JESD22-A104	500 cycles	0/77

Qualification Plan	Device	Package	Process	No. of Lots
Q20130064	FDV301N	SOT23	LV Mosfet	1

Test Description:	Condition:	Standard :	Duration:	Results:
MSL1 Precondition	260C, 3 cycles	JESD22-A113		0/231
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 Gate Bias Test	150C, 80% of BV	JESD22-A108	1000 hrs	0/77
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/77
Power Cycle	Delta 100C, 2 Min cycle	MIL-STD-750-1036	10000 cycles	0/77
Temperature Cycle	-65C, 150C	JESD22-A104	500 cycles	0/77

Qualification Plan	Device	Package	Process	No. of Lots
Q20130064	FDV304P	SOT23	LV Mosfet	1

Test Description:	Condition:	Standard :	Duration:	Results:
MSL1 Precondition	260C, 3 cycles	JESD22-A113		0/231
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 Gate Bias Test	150C, 80% of BV	JESD22-A108	1000 hrs	0/77
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/77
Power Cycle	Delta 100C, 2 Min cycle	MIL-STD-750-1036	10000 cycles	0/77
Temperature Cycle	-65C, 150C	JESD22-A104	500 cycles	0/77

Qualification Plan	Device	Package	Process	No. of Lots
Q20130064	LM431SACM32X	SOT23	Std Linear	1

Test Description:	Condition:	Standard :	Duration:	Results:
MSL1 Precondition	260C, 3 cycles	JESD22-A113		0/231
Temperature Humidity Bias Test	85%RH, 85C, 80% BV	JESD22-A101B	1000 hrs	0/77
High Temperature Op Life	125C, Vbias= 35V	JESD22-A108	1000 hrs	0/77
High Temperature Storage Life	150C	JESD22-A103	1000 hrs	0/77
Temperature Cycle	-65C, 150C	JESD22-A104	500 cycles	0/77

NOTE: The affected products in PCN# P336A and P34HA were qualified together under the same qualification plan: Q20130064.