

Date Created : 2007/10/25
Date Issued On : 2007/11/29
PCN# : Q3073505-A

DESIGN/PROCESS CHANGE NOTIFICATION -- FINAL

This is to inform you that a design and/or process change will be made to the following product(s). This notification is for your information and concurrence.

If you require data or samples to qualify this change, please contact **Fairchild Semiconductor within 30 days of receipt of this notification.**

Updated process quality documentation, such as FMEAs and Control Plans, are available for viewing upon request.

If you have any questions concerning this change, please contact:

Technical Contact:
Name: Yang, Johnson
E-mail: Johnson.Yang@fairchildsemi.com
Phone:

PCN Originator:
Name: Sun, Brian
E-mail: Brian.Sun@fairchildsemi.com
Phone:

Implementation of change:
Expected 1st Device Shipment Date: 2007/12/27

Earliest Year/Work Week of Changed Product: 0745

Change Type Description: Alternate Assembly/Test Location/Qualification

Description of Change (From): TO220F 2 and 3 Leads are currently being manufactured at SPS (SP Semi)/ENOCH located in Korea.

Description of Change (To): Qualify Fairchild Semiconductor located in Suzhou, China as an Alternate Assembly and Test manufacturing site for TO220F 2 and 3 leads. There is no difference in the Package Outline, Bill of materials and Process between the current and the Alternate manufacturing site.

Reason for Change : Qualification of alternate manufacturing site to improve capacity flexibility in response to changing customer business demand as well as enable better management on delivery and cycle-time.

Qual/REL Plan Numbers : Q20070469

Qualification :

Refer to Irel system

Results/Discussion

Test: (Autoclave)			
Lot	Device	96-HOURS	Failure Code
Q20070469AAACLV	FQPF9N90C	0/77	
Q20070469BAACLV	FFPF14X150STU	0/77	
Q20070469CAACLV	KSC5042FYDTU	0/77	

Test: (High Humidity, High Temp, Rev. Bias)					
Lot	Device	168-HOURS	500-HOURS	1000-HOURS	Failure Code
Q20070469AAH3TRB	FQPF9N90C	0/77			
			0/77		
				0/77	
Q20070469BAH3TRB	FFPF14X150STU	0/77			
			0/77		
				0/77	
Q20070469CAH3TRB	KSC5042FYDTU	0/77			
			0/77		
				0/77	
Test: (High Temperature Gate Bias)					
Lot	Device	168-HOURS	500-HOURS	1000-HOURS	Failure Code
Q20070469AAHTGB	FQPF9N90C	0/77			
			0/77		
				0/77	
Test: (High Temperature Reverse Bias)					
Lot	Device	168-HOURS	500-HOURS	1000-HOURS	Failure Code
Q20070469AAHTRB		0/77			
			0/77		
				0/77	
Q20070469BAHTRB	FFPF14X150STU	0/77			
			0/77		
				0/77	
Q20070469CAHTRB	KSC5042FYDTU	0/77			
			0/77		
				0/77	
Test: (High Temperature Storage Life)					
Lot	Device	168-HOURS	500-HOURS	1000-HOURS	Failure Code
Q20070469AAHTSL	FQPF9N90C	0/77			
			0/77		
				0/77	
Q20070469BAHTSL	FFPF14X150STU	0/77			
			0/77		
				0/77	
Q20070469CAHTSL	KSC5042FYDTU	0/77			
			0/77		
				0/77	
Test: -55, 150C (Temperature Cycle)					
Lot	Device	500-CYCLES	1000-CYCLES	Failure Code	
Q20070469AATMCL3	FQPF9N90C	0/77			
Q20070469AATMCL3	FQPF9N90C		0/77		
Q20070469BATMCL3	FFPF14X150STU	0/77			
Q20070469BATMCL3	FFPF14X150STU		0/77		
Q20070469CATMCL3	KSC5042FYDTU	0/77			
Q20070469CATMCL3	KSC5042FYDTU		0/77		
Test: Medium Size Pkg's (TO-220, D2) (Power Cycle)					
Lot	Device	4000-CYCLES	8572-CYCLES	Failure Code	
Q20070469AAPRCL1	FQPF9N90C	0/77			
Q20070469AAPRCL1	FQPF9N90C		0/77		
Q20070469BAPRCL1	FFPF14X150STU	0/77			
Q20070469BAPRCL1	FFPF14X150STU		0/77		
Q20070469CAPRCL1	KSC5042FYDTU	0/77			
Q20070469CAPRCL1	KSC5042FYDTU		0/77		

Product Id Description :

Affected FSIDs :

BDW93CFTU	BDW94CF	BDW94CFTU
BUT11AFTU	BUT11FTU	FCPF11N60
FCPF11N60F	FCPF11N60T	FCPF11N65
FCPF16N60	FCPF20N60	FCPF20N60S

FCPF20N60T	FCPF7N60	FDPF12N35
FDPF12N50T	FDPF14N30	FDPF15N65
FDPF16N50	FDPF16N50T	FDPF18N50
FDPF18N50T	FDPF20N50	FDPF20N50T
FDPF33N25T	FDPF39N20	FDPF44N25T
FDPF51N25	FDPF55N06	FDPF79N15
FDPF7N50	FDPF7N50U	FFPF04F150STU
FFPF04U150STU	FFPF04U40DPTU	FFPF05U120STTU
FFPF05U120STU	FFPF05U120STU_NL	FFPF05U60DNTU
FFPF05U60STTU	FFPF05U60STU	FFPF06F150STU
FFPF06UP20STU	FFPF08H60STU	FFPF08S60STU
FFPF10F150STU	FFPF10H60STU	FFPF10U120STU
FFPF10U150STU	FFPF10U40STU	FFPF10U60DNTU
FFPF10UP20STU	FFPF10UP20STU_NL	FFPF10UP30STU
FFPF10UP30STU_NBDG001	FFPF10UP60STU	FFPF12UP20DNTU
FFPF12UP20DPTU	FFPF14X150STU	FFPF15U120STU
FFPF15UP20STU	FFPF20U40STU	FFPF20U60DNTU
FFPF20U60STU	FFPF20UP20DNTU	FFPF20UP20DPTU
FFPF20UP20STU	FFPF20UP30DNTU	FFPF20UP30STU
FFPF30U60STTU	FFPF30U60STU	FFPF30UP20DNTU
FFPF30UP20DPTU	FFPF30UP20STU	FFPF40UP30SYDTU
FFPF60B150DSTU	FFPF60SA60DSTU	FJPF13007H2TU
FJPF13007H2TU_NL	FJPF13007TTU	FJPF13007TU
FJPF13009H2TU	FJPF13009TU	FJPF3305H1TU
FJPF3305H2TU	FJPF3305H3TU	FJPF3305TU
FJPF5021OTU	FJPF5027OTU	FJPF5027RTU
FJPF5321TU	FJPF9020TU	FQPF10N20C
FQPF10N50CF	FQPF10N60C	FQPF10N60CF
FQPF10N60CT	FQPF10N60CYDTU	FQPF10N60C_F105
FQPF11N40C	FQPF11N40CT	FQPF11N40CYDTU
FQPF11N40T	FQPF11N50CF	FQPF11P06
FQPF12N60C	FQPF12N60CT	FQPF12N60T
FQPF12P10	FQPF12P20	FQPF12P20YDTU
FQPF13N06	FQPF13N06L	FQPF13N10
FQPF13N50	FQPF13N50C	FQPF13N50CF
FQPF13N50CSDTU	FQPF13N50CT	FQPF13N50C_F105
FQPF13N50C_TC003	FQPF13N50T	FQPF14N30
FQPF15P12	FQPF16N15	FQPF16N25
FQPF16N25C	FQPF17N40	FQPF17N40T
FQPF17P06	FQPF17P10	FQPF18N20V2
FQPF18N50V2	FQPF19N10	FQPF19N10L
FQPF19N20	FQPF19N20C	FQPF1P50
FQPF20N06	FQPF20N06L	FQPF22N30
FQPF22P10	FQPF27N25	FQPF27P06
FQPF2N60C	FQPF2N60C_F105	FQPF2N70
FQPF2N80	FQPF2N90	FQPF2P25
FQPF30N06	FQPF30N06L	FQPF32N12V2
FQPF32N20C	FQPF33N10	FQPF33N10L

FQPF34N20	FQPF3N25	FQPF3N40
FQPF3N50C	FQPF3N60	FQPF3N80
FQPF3N80C	FQPF3N80CYDTU	FQPF3N90_NL
FQPF3P20	FQPF3P50	FQPF44N10
FQPF45N15V2	FQPF46N15	FQPF47P06
FQPF47P06_NL	FQPF4N60	FQPF4N80
FQPF4N90	FQPF4N90C	FQPF4N90CT
FQPF50N06	FQPF50N06L	FQPF55N10
FQPF58N08T	FQPF5N40	FQPF5N50C
FQPF5N50CFTU	FQPF5N50CT	FQPF5N50CYDTU
FQPF5N60	FQPF5N60C	FQPF5N60CYDTU
FQPF5N60C_F105	FQPF5N60C_SB82157	FQPF5N90
FQPF5P10	FQPF5P20	FQPF630
FQPF65N06	FQPF6N40C	FQPF6N40CF
FQPF6N40CT	FQPF6N50	FQPF6N60
FQPF6N60C	FQPF6N70	FQPF6N80
FQPF6N80C	FQPF6N80CT	FQPF6N80T
FQPF6N90C	FQPF6P25	FQPF70N10
FQPF7N10	FQPF7N10L	FQPF7N20
FQPF7N20L	FQPF7N40	FQPF7N60
FQPF7N65C	FQPF7N65CYDTU	FQPF7N65C_F105
FQPF7N80	FQPF7N80C	FQPF7P06
FQPF7P20	FQPF85N06	FQPF8N60C
FQPF8N60CFT	FQPF8N60CT	FQPF8N60CYDTU
FQPF8N60C_F105	FQPF8N80C	FQPF8N80CYDTU
FQPF8N90C	FQPF8P10	FQPF90N10V2
FQPF90N10V2_F105	FQPF9N25C	FQPF9N25CT
FQPF9N30	FQPF9N50	FQPF9N50C
FQPF9N50CF	FQPF9N50CT	FQPF9N50T
FQPF9N90C	FQPF9P25	FYPF0545STU
FYPF1004DNTU	FYPF1010DNTU	FYPF1045DNTU
FYPF1504DNTU	FYPF1545DNTU	FYPF2004DNTU
FYPF2006DNTU	FYPF2006DNTU_NL	FYPF2010DNTU
FYPF2010DNTU_NL	FYPF2045DNTU	IRFS530A
IRFS540A	IRFS614B_FP001	IRFS634B_FP001
IRFS640B_FP001	IRFS644BYDTU_AS001	IRFS644B_FP001
IRFS654B_FP001	IRFS750A	IRFS830B_NBEA004
IRLS640A	KSA1304OTU	KSA1304YTU
KSA1614YTU	KSB1015O	KSB1015OTU
KSB1015Y	KSB1015YTU	KSB1017YTU
KSB1023TU	KSB1097OTU	KSB1097RTU
KSB1097YTU	KSB1098OTU	KSB1098RTU
KSB1098YTU	KSB1366G	KSB1366GTU
KSB1366Y	KSB1366YTU	KSC3296YTU
KSC3569YTU	KSC5039FTU	KSC5042FTU
KSC5042FYDTU	KSC5305DFTTU	KSD1273OTU
KSD1273P	KSD1273PTSTU	KSD1273PTU
KSD1273Q	KSD1273QTU	KSD1273QYDTU

KSD1362RTU	KSD1406GTU	KSD1406OTU
KSD1406YTU	KSD1408GTU	KSD1408OTU
KSD1408YTU	KSD1413TU	KSD1417TU
KSD1588OTU	KSD1588RTU	KSD1588YTU
KSD1589OTU	KSD1589RTU	KSD1589YTU
KSD1944TU	KSD2012GTU	KSD2012YTU
KSD2012YYDTU	KSD2058YTSTU	KSD2058YTU
KSD401FYTU	KSE13007FH2SMTU	KSE13009FTU
MBRF20S100CT	SFS9614	SFS9630
SFS9Z34	SSS10N60B	TLC530FTU