

FORECAST CHANGE NOTIFICATION

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. This is a preliminary notification. A Final PCN will be issued when qualification is complete and data is available.

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

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

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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): SPS/Enoch

Description of Change (To): Fairchild Suzhou China

Reason for Change : To meet increased customer demand and 2nd source

Qual/REL Plan Numbers : Q20070268

**Qualification :**

Fairchild Semiconductor (Suzhou) Co., LTD (FSSZ) is being qualified as an alternative assembly and test site as part of Fairchild Semiconductor's ongoing effort to increase manufacturing capacity for our various products assembled in the TO220F 2/3 leads packages.

**Qualification Stress Test and Sample Size Detail**

|           |               |
|-----------|---------------|
| Device #1 | FFPF14X150STU |
| Package:  |               |
| #Leads:   |               |

**Environment Stress Detail:**

|        |     |             |              | Readpoints |     |     | Samples |
|--------|-----|-------------|--------------|------------|-----|-----|---------|
| Stress | P/C | Standard    | Conditions   | TP1        | TP2 | TP3 | A       |
| ACLV   |     | JESD22-A102 | 100%RH, 121C | 96         |     |     | 77      |

|       |  |                   |                               |      |      |      |    |
|-------|--|-------------------|-------------------------------|------|------|------|----|
| H3TRB |  | JESD22-A101B      | 85%RH, 85C, 80% of related BV | 168  | 500  | 1000 | 77 |
| HTRB  |  | JESD22-A108       | 150C, 80% of related BV       | 168  | 500  | 1000 | 77 |
| HTSL  |  | JESD22-A103       | 150C                          | 168  | 500  | 1000 | 77 |
| PRCL1 |  | MIL-STD-750 M1037 | Delta 100C, 3.5 Min On/Off    | 4000 | 8572 |      | 77 |
| TMCL3 |  | JESD22-A104       | -55C, 150C                    | 500  | 1000 |      | 77 |

|           |           |
|-----------|-----------|
| Device #2 | FKPF12N80 |
| Package:  | -1        |
| #Leads:   | -1        |

Environment Stress Detail:

| Stress | P/C | Standard          | Conditions                    | Readpoints |      |      | Samples |  |
|--------|-----|-------------------|-------------------------------|------------|------|------|---------|--|
|        |     |                   |                               | TP1        | TP2  | TP3  | A       |  |
| ACLV   |     | JESD22-A102       | 100%RH, 121C                  | 96         |      |      | 77      |  |
| H3TRB  |     | JESD22-A101B      | 85%RH, 85C, 80% of related BV | 168        | 500  | 1000 | 77      |  |
| HTRB   |     | JESD22-A108       | 125C, 80% of related BV       | 168        | 500  | 1000 | 77      |  |
| HTSL   |     | JESD22-A103       | 125C                          | 168        | 500  | 1000 | 77      |  |
| PRCL1  |     | MIL-STD-750 M1037 | Delta 100C, 3.5 Min On/Off    | 4000       | 8572 |      | 77      |  |
| TMCL2  |     | JESD22-A104       | -40C, 125C                    | 500        | 1000 |      | 77      |  |

|           |           |
|-----------|-----------|
| Device #3 | FQPF9N90C |
| Package:  |           |
| #Leads:   |           |

Environment Stress Detail:

| Stress | P/C | Standard          | Conditions                    | Readpoints |      |      | Samples |  |
|--------|-----|-------------------|-------------------------------|------------|------|------|---------|--|
|        |     |                   |                               | TP1        | TP2  | TP3  | A       |  |
| ACLV   |     | JESD22-A102       | 100%RH, 121C                  | 96         |      |      | 77      |  |
| H3TRB  |     | JESD22-A101B      | 85%RH, 85C, 80% of related BV | 168        | 500  | 1000 | 77      |  |
| HTGB   |     | JESD22-A108       | 150C, 30V                     | 168        | 500  | 1000 | 77      |  |
| HTRB   |     | JESD22-A108       | 150C, 80% of related BV       | 168        | 500  | 1000 | 77      |  |
| HTSL   |     | JESD22-A103       | 150C                          | 168        | 500  | 1000 | 77      |  |
| PRCL1  |     | MIL-STD-750 M1037 | Delta 100C, 3.5 Min On/Off    | 4000       | 8572 |      | 77      |  |
| TMCL3  |     | JESD22-A104       | -55C, 150C                    | 500        | 1000 |      | 77      |  |

|           |              |
|-----------|--------------|
| Device #4 | KSC5042FYDTU |
| Package:  |              |
| #Leads:   |              |

Environment Stress Detail:

| Stress | P/C | Standard     | Conditions                    | Readpoints |     |      | Samples |    |
|--------|-----|--------------|-------------------------------|------------|-----|------|---------|----|
|        |     |              |                               | TP1        | TP2 | TP3  | A       | B  |
| ACLV   |     | JESD22-A102  | 100%RH, 121C                  | 96         |     |      | 77      | 77 |
| H3TRB  |     | JESD22-A101B | 85%RH, 85C, 80% of related BV | 168        | 500 | 1000 | 77      | 77 |
| HTRB   |     | JESD22-A108  | 150C, 80% of related BV       | 168        | 500 | 1000 | 77      | 77 |

|       |  |                      |                               |      |      |      |    |    |
|-------|--|----------------------|-------------------------------|------|------|------|----|----|
| HTSL  |  | JESD22-A103          | 150C                          | 168  | 500  | 1000 | 77 | 77 |
| PRCL1 |  | MIL-STD-750<br>M1037 | Delta 100C, 3.5<br>Min On/Off | 4000 | 8572 |      | 77 | 77 |
| TMCL3 |  | JESD22-A104          | -55C, 150C                    | 500  | 1000 |      | 77 | 77 |

|           |              |
|-----------|--------------|
| Device #5 | SGS5N150UFTU |
| Package:  |              |
| #Leads:   |              |

Environment Stress Detail:

| Stress | P/C | Standard             | Conditions                          | Readpoints |      |      | Samples |
|--------|-----|----------------------|-------------------------------------|------------|------|------|---------|
|        |     |                      |                                     | TP1        | TP2  | TP3  | A       |
| ACLV   |     | JESD22-A102          | 100%RH, 121C                        | 96         |      |      | 77      |
| H3TRB  |     | JESD22-A101B         | 85%RH, 85C,<br>80% of related<br>BV | 168        | 500  | 1000 | 77      |
| HTGB   |     | JESD22-A108          | 150C, 20V                           | 168        | 500  | 1000 | 77      |
| HTRB   |     | JESD22-A108          | 150C, 80% of re-<br>lated BV        | 168        | 500  | 1000 | 77      |
| HTSL   |     | JESD22-A103          | 150C                                | 168        | 500  | 1000 | 77      |
| PRCL1  |     | MIL-STD-750<br>M1037 | Delta 100C, 3.5<br>Min On/Off       | 4000       | 8572 |      | 77      |
| TMCL3  |     | JESD22-A104          | -55C, 150C                          | 500        | 1000 |      | 77      |

Product Id Description :

Affected FSIDs :

|                   |                       |                  |
|-------------------|-----------------------|------------------|
| BDW93CFTU         | BDW94CF               | BDW94CFTU        |
| BUT11AFTU         | BUT11FTU              | FCPF11N60        |
| FCPF11N60F        | FCPF11N60T            | FCPF11N65        |
| FCPF16N60         | FCPF20N60             | FCPF20N60S       |
| FCPF20N60T        | FCPF20N60TYDTU        | FCPF7N60         |
| FDPF12N35         | FDPF12N50T            | FDPF14N30        |
| FDPF15N65         | FDPF16N50             | FDPF16N50T       |
| FDPF18N50         | FDPF18N50T            | FDPF20N50        |
| FDPF20N50T        | FDPF33N25T            | FDPF39N20        |
| FDPF44N25T        | FDPF51N25             | FDPF55N06        |
| FDPF79N15         | FDPF7N50              | FDPF7N50U        |
| FFPF04F150STU     | FFPF04U150STU         | FFPF04U40DPTU    |
| FFPF04U40DPTU_NL  | FFPF04U40STU          | FFPF05U120STTU   |
| FFPF05U120STTU_NL | FFPF05U120STU         | FFPF05U120STU_NL |
| FFPF05U60DNTU     | FFPF05U60STTU         | FFPF05U60STTU_NL |
| FFPF05U60STU      | FFPF06F150STU         | FFPF06U150STU    |
| FFPF06U40STU      | FFPF06U40STU_NL       | FFPF06UP20STU    |
| FFPF08H60STU      | FFPF08S60STU          | FFPF10F150STU    |
| FFPF10H60STU      | FFPF10U120STU         | FFPF10U120STU_NL |
| FFPF10U150STU     | FFPF10U40STU          | FFPF10U60DNTU    |
| FFPF10U60DNTU_NL  | FFPF10UP20STU         | FFPF10UP20STU_NL |
| FFPF10UP30STU     | FFPF10UP30STU_NBDG001 | FFPF10UP60STU    |
| FFPF12UP20DNTU    | FFPF12UP20DPTU        | FFPF14X150STU    |
| FFPF15U120STU     | FFPF15U120STU_NL      | FFPF15U40STU     |
| FFPF15UP20STU     | FFPF20U40STU          | FFPF20U60DNTU    |
| FFPF20U60DNTU_NL  | FFPF20U60STU          | FFPF20UP20DNTU   |

|                  |                   |                  |
|------------------|-------------------|------------------|
| FFPF20UP20DPTU   | FFPF20UP20STU     | FFPF20UP30DNTU   |
| FFPF20UP30STU    | FFPF30U60STTU     | FFPF30U60STU     |
| FFPF30U60STU_NL  | FFPF30UP20DNTU    | FFPF30UP20DPTU   |
| FFPF30UP20STU    | FFPF40UP30SYDTU   | FFPF60B150DSTU   |
| FFPF60SA60DSTU   | FFPF60SA60DSTU_NL | FGPF120N30TU     |
| FGPF30N30        | FGPF30N30DTU      | FGPF30N30TTU     |
| FGPF70N30        | FGPF70N30DTU      | FGPF70N30TTU     |
| FGPF7N60LSDTU    | FGPF7N60RUFDTU    | FGPF90N30        |
| FJPF13007H1TU    | FJPF13007H2TTU    | FJPF13007H2TU    |
| FJPF13007H2TU_NL | FJPF13007TTU      | FJPF13007TU      |
| FJPF13009H2TU    | FJPF13009TTU      | FJPF13009TU      |
| FJPF3305H1TU     | FJPF3305H2TU      | FJPF3305H3TU     |
| FJPF3305TU       | FJPF5021OTU       | FJPF5021RTU      |
| FJPF5027OTU      | FJPF5027RTU       | FJPF5321TU       |
| FJPF5321TU_NL    | FJPF9020TTU       | FJPF9020TU       |
| FKPF10N80        | FKPF12N80         | FKPF12N80YDTU    |
| FKPF12N80YDTU_NL | FKPF12N80_NL      | FKPF2N80         |
| FKPF2N80_NL      | FKPF3N80TU        | FKPF3N80TU_NL    |
| FKPF5N80TU       | FKPF5N80TU_NL     | FKPF8N80         |
| FQPF10N20        | FQPF10N20C        | FQPF10N20C_NL    |
| FQPF10N50CF      | FQPF10N60C        | FQPF10N60CF      |
| FQPF10N60CT      | FQPF10N60CT_NL    | FQPF10N60CYDTU   |
| FQPF10N60C_F105  | FQPF11N40C        | FQPF11N40CT      |
| FQPF11N40CT_NL   | FQPF11N40CYDTU    | FQPF11N40T       |
| FQPF11N50CF      | FQPF11N50CF_NL    | FQPF11P06        |
| FQPF12N60C       | FQPF12N60CT       | FQPF12N60CT_NL   |
| FQPF12N60T       | FQPF12P10         | FQPF12P20        |
| FQPF12P20YDTU    | FQPF13N06         | FQPF13N06L       |
| FQPF13N10        | FQPF13N50         | FQPF13N50C       |
| FQPF13N50CF      | FQPF13N50CSDTU    | FQPF13N50CT      |
| FQPF13N50CT_NL   | FQPF13N50C_F105   | FQPF13N50C_TC003 |
| FQPF13N50T       | FQPF14N15         | FQPF14N30        |
| FQPF15P12        | FQPF16N15         | FQPF16N25        |
| FQPF16N25C       | FQPF17N40         | FQPF17N40T       |
| FQPF17P06        | FQPF17P10         | FQPF18N20V2      |
| FQPF18N50V2T     | FQPF19N10         | FQPF19N10L       |
| FQPF19N20        | FQPF19N20C        | FQPF1N60T        |
| FQPF1P50         | FQPF20N06         | FQPF20N06L       |
| FQPF22N30        | FQPF22P10         | FQPF27N25        |
| FQPF27N25T       | FQPF27P06         | FQPF28N15        |
| FQPF2N30         | FQPF2N60C         | FQPF2N60C_F105   |
| FQPF2N70         | FQPF2N80          | FQPF2N90         |
| FQPF2NA90        | FQPF2P25          | FQPF30N06        |
| FQPF30N06L       | FQPF30N06L_NL     | FQPF30N06_NL     |
| FQPF32N12V2      | FQPF32N20C        | FQPF33N10        |
| FQPF33N10L       | FQPF34N20         | FQPF3N25         |
| FQPF3N25YDTU     | FQPF3N40          | FQPF3N50C        |
| FQPF3N50C_NL     | FQPF3N60          | FQPF3N60_NL      |
| FQPF3N80         | FQPF3N80C         | FQPF3N80CYDTU    |
| FQPF3N90_NL      | FQPF3P20          | FQPF3P50         |

|                  |                    |                    |
|------------------|--------------------|--------------------|
| FQPF44N10        | FQPF45N15V2        | FQPF45N15V2_NL     |
| FQPF46N15        | FQPF47P06          | FQPF47P06_NL       |
| FQPF4N20         | FQPF4N60           | FQPF4N80           |
| FQPF4N90         | FQPF4N90C          | FQPF4N90CT         |
| FQPF50N06        | FQPF50N06L         | FQPF55N10          |
| FQPF58N08T       | FQPF5N20L          | FQPF5N40           |
| FQPF5N50         | FQPF5N50C          | FQPF5N50CFTU       |
| FQPF5N50CFTU_NL  | FQPF5N50CT         | FQPF5N50CT_NL      |
| FQPF5N50CYDTU    | FQPF5N60           | FQPF5N60C          |
| FQPF5N60CYDTU    | FQPF5N60C_F105     | FQPF5N60C_SB82157  |
| FQPF5N90         | FQPF5P10           | FQPF5P20           |
| FQPF630          | FQPF65N06          | FQPF6N25           |
| FQPF6N40C        | FQPF6N40CF         | FQPF6N40CT         |
| FQPF6N40CT_NL    | FQPF6N50           | FQPF6N60           |
| FQPF6N60C        | FQPF6N70           | FQPF6N80           |
| FQPF6N80C        | FQPF6N80CT         | FQPF6N80T          |
| FQPF6N90C        | FQPF6N90C_NL       | FQPF6P25           |
| FQPF70N10        | FQPF70N10_NL       | FQPF7N10           |
| FQPF7N10L        | FQPF7N20           | FQPF7N20L          |
| FQPF7N40         | FQPF7N60           | FQPF7N65C          |
| FQPF7N65CYDTU    | FQPF7N65CYDTU_NL   | FQPF7N65C_F105     |
| FQPF7N80         | FQPF7N80C          | FQPF7P06           |
| FQPF7P20         | FQPF85N06          | FQPF8N60C          |
| FQPF8N60CFT      | FQPF8N60CT         | FQPF8N60CT_NL      |
| FQPF8N60CYDTU    | FQPF8N60C_F105     | FQPF8N80C          |
| FQPF8N80CXDTU    | FQPF8N80CYDTU      | FQPF8N90C          |
| FQPF8P10         | FQPF90N10V2        | FQPF90N10V2_F105   |
| FQPF9N25C        | FQPF9N25CT         | FQPF9N25CT_NL      |
| FQPF9N30         | FQPF9N50           | FQPF9N50C          |
| FQPF9N50CF       | FQPF9N50CT         | FQPF9N50CT_NL      |
| FQPF9N50CYDTU    | FQPF9N50T          | FQPF9N50_NL        |
| FQPF9N90C        | FQPF9P25           | FYPF0545STU        |
| FYPF0545STU_NL   | FYPF1004DNTU       | FYPF1010DNTU       |
| FYPF1010DNTU_NL  | FYPF1045DNTU       | FYPF1504DNTU       |
| FYPF1545DNTU     | FYPF2004DNTU       | FYPF2004DNTU_NL    |
| FYPF2006DNTU     | FYPF2006DNTU_NL    | FYPF2010DNTU       |
| FYPF2010DNTU_NL  | FYPF2045DNTU       | FYPF2045DNTU_NL    |
| IRFS510A         | IRFS520A           | IRFS530A           |
| IRFS540A         | IRFS614BYDTU_FP001 | IRFS614B_FP001     |
| IRFS634B_FP001   | IRFS640B_FP001     | IRFS644BYDTU_AS001 |
| IRFS644B_FP001   | IRFS650B_FP001     | IRFS654B_FP001     |
| IRFS730B         | IRFS750A           | IRFS820B_F080      |
| IRFS820B_NBEA006 | IRFS820B_NL        | IRFS830B_NBEA004   |
| IRLS540A         | IRLS620A           | IRLS640A           |
| ISL9R1560PF2     | ISL9R460PF2        | ISL9R460PF2_NL     |
| ISL9R860PF2      | ISL9R860PF2_NL     | KSA1304OTU         |
| KSA1304YTU       | KSA1614YTU         | KSB1015O           |
| KSB1015OTU       | KSB1015Y           | KSB1015YTU         |
| KSB1015YTU_NL    | KSB1017YTU         | KSB1022TU          |
| KSB1023TU        | KSB1097OTU         | KSB1097RTU         |

|                 |                 |                 |
|-----------------|-----------------|-----------------|
| KSB1097YTU      | KSB1098OTU      | KSB1098RTU      |
| KSB1098YTU      | KSB1366G        | KSB1366GTU      |
| KSB1366Y        | KSB1366YTU      | KSB1366YTU_NL   |
| KSC3296YTU      | KSC3569YTU      | KSC5039FTU      |
| KSC5042FTU      | KSC5042FYDTU    | KSC5305DFTTU    |
| KSD1273OTU      | KSD1273P        | KSD1273PTSTU    |
| KSD1273PTU      | KSD1273PTU_NL   | KSD1273Q        |
| KSD1273QTU      | KSD1273QYDTU    | KSD1273QYDTU_NL |
| KSD1362RTU      | KSD1406GTU      | KSD1406OTU      |
| KSD1406YTU      | KSD1406YTU_NL   | KSD1408GTU      |
| KSD1408OTU      | KSD1408YTU      | KSD1408YTU_NL   |
| KSD1413TU       | KSD1417TU       | KSD1588OTU      |
| KSD1588RTU      | KSD1588YTU      | KSD1589OTU      |
| KSD1589RTU      | KSD1589YTU      | KSD1589YTU_NL   |
| KSD1944TU       | KSD2012GTU      | KSD2012YTU      |
| KSD2012YYDTU    | KSD2058YTSTU    | KSD2058YTU      |
| KSD2058YTU_NL   | KSD401FYTU      | KSE13007FH2SMTU |
| KSE13009FTU     | KSE13009FTU_NL  | MBRF20S100CT    |
| MBRF20S100CT_NL | SFS9614         | SFS9630         |
| SFS9634         | SFS9640         | SFS9Z14         |
| SFS9Z24         | SFS9Z34         | SGS10N60RUFDTU  |
| SGS10N60RUFU    | SGS13N60UFDU    | SGS23N60UFDU    |
| SGS5N150UFTU    | SGS5N150UFTU_NL | SGS5N60RUFDTU   |
| SGS6N60UFTU     | SSS10N60B       | SSS1N60B        |
| SSS45N20B_FP001 | SSS4N60BT       | TLC530FTU       |