

# RELIABILITY MONITOR

STRESS: WRITE CYCLE STRESS

CONDITIONS: 85 C, 7.0 VOLTS

| PRODUCT | REV | MONITOR<br>DATE | JOB NO | DATE ASSEMBLY<br>CODE FACILITY | LOT NO.     | PACKAGE | READ<br>POINT | QTY | FAIL |
|---------|-----|-----------------|--------|--------------------------------|-------------|---------|---------------|-----|------|
| DS1621  | A7  | MAR '00         | 25224  | 9950 OSEP                      | DE940040AAC | SOIC    | 50            | 50  | 0    |
| DS1869  | A3  | JUN '00         | 25547  | 0017 CPS (ChipPac, China)      | DH833210AAB | SOIC    | 25            | 48  | 0    |

# RELIABILITY MONITOR

STRESS: VAPOR PHASE REFLOW

CONDITIONS: 217C

| PRODUCT  | REV | MONITOR |        | DATE ASSEMBLY |               | LOT NO.     | PACKAGE | READ  |     |      |
|----------|-----|---------|--------|---------------|---------------|-------------|---------|-------|-----|------|
|          |     | DATE    | JOB NO | CODE          | FACILITY      |             |         | POINT | QTY | FAIL |
| DS2181A  | A2  | JUL '00 | 25816  | 0016          | OSEP          | DE004552ABD | PLCC    | 3     | 241 | 0    |
| DS5002   | C5  | JUL '00 | 25824  | 0027          | ATK (Anam, K) | DN012259AAL | MQFP    | 3     | 203 | 0    |
| DS5002   | C5  | JAN '01 | 26506  | 0047          | ATK (Anam, K) | DN028766AAD | MQFP    | 3     | 203 | 0    |
| DS87C520 | A15 | AUG '00 | 25864  | 0027          | OSEP          | DE013425AAD | PLCC    | 3     | 239 | 0    |
| DS87C520 | A15 | NOV '00 | 26198  | 0042          | OSEP          | DE029195AAB | PLCC    | 3     | 236 | 0    |

# RELIABILITY MONITOR

STRESS: ULTRASOUND

CONDITIONS: J-STD-020

| PRODUCT | REV  | MONITOR |        | DATE ASSEMBLY |                      | LOT NO.     | PACKAGE | READ  |     |
|---------|------|---------|--------|---------------|----------------------|-------------|---------|-------|-----|
|         |      | DATE    | JOB NO | CODE          | FACILITY             |             |         | POINT | QTY |
| DS1232  | C2-L | OCT '00 | 26086  | 0039          | OSEP                 | DE028679ADB | SOIC    | 4     | 0   |
| DS1267  | A2   | FEB '00 | 25172  | 9930          | ATP (Anam, PI)       | DK904472ADF | TSSOP   | 4     | 0   |
| DS1267  | A1   | AUG '00 | 25831  | 0021          | ATP (Anam, PI)       | DK012170AAA | TSSOP   | 4     | 0   |
| DS1621  | A7   | MAR '00 | 25217  | 9950          | OSEP                 | DE940040AAC | SOIC    | 4     | 0   |
| DS1803  | A2   | NOV '99 | 24735  | 9923          | ATP (Anam, PI)       | DK913631AAA | SOIC    | 4     | 0   |
| DS1803  | A2   | FEB '00 | 25188  | 0007          | OSEP                 | DE946274AAA | SOIC    | 4     | 0   |
| DS1803  | A2   | MAY '00 | 25435  | 0013          | OSEP                 | DE951193AAF | SOIC    | 4     | 0   |
| DS1803  | A2   | AUG '00 | 25922  | 0034          | OSEP                 | DE023435AAB | SOIC    | 4     | 0   |
| DS1869  | A3   | JUN '00 | 25540  | 0017          | CPS (ChipPac, China) | DH833210AAB | SOIC    | 4     | 0   |
| DS2108  | B7   | MAY '00 | 25522  | 0019          | ATP (Anam, PI)       | DK007198AAF | SOIC    | 4     | 0   |
| DS2108  | B7   | AUG '00 | 25854  | 0029          | ATP (Anam, PI)       | DK016058AA  | SOIC    | 4     | 0   |
| DS2118M | B1   | SEP '00 | 25940  | 0033          | ATK (Anam, K)        | DN020718AAD | SSOP    | 4     | 0   |
| DS21352 | A4   | DEC '00 | 26352  | 0044          | ATP (Anam, PI)       | DK031452AB  | LQFP    | 4     | 0   |
| DS2154  | A2   | SEP '00 | 25955  | 0034          | ATP (Anam, PI)       | DK022283AAA | LQFP    | 4     | 0   |
| DS2154  | A2   | DEC '00 | 26374  | 0036          | Stats                | DC022275AAB | LQFP    | 4     | 0   |
| DS2181A | A2   | JUL '00 | 25815  | 0016          | OSEP                 | DE004552ABD | PLCC    | 4     | 0   |
| DS21Q43 | A3-A | JUN '00 | 25501  | 0014          | ATK (Anam, K)        | DN004571AAB | LQFP    | 4     | 0   |
| DS21Q43 | A3-A | SEP '00 | 25947  | 0031          | Stats                | DC022318AAD | LQFP    | 4     | 0   |
| DS21Q43 | A3-A | DEC '00 | 26366  | 0034          | ATK (Anam, K)        | DN027568AAC | LQFP    | 4     | 0   |
| DS21S07 | C1-  | FEB '01 | 26584  | 0047          | Carsem S             | DM035532AF  | TSSOP   | 4     | 0   |
| DS2502  | C3   | JUN '00 | 25565  | 0011          | Carsem S             | DM941230AG  | SOIC    | 4     | 0   |
| DS2502  | C3   | JUL '00 | 25810  | 0017          | CPS (ChipPac, China) | DH948636AG  | TSOC    | 4     | 0   |

# RELIABILITY MONITOR

STRESS: ULTRASOUND

CONDITIONS: J-STD-020

| PRODUCT  | REV | MONITOR<br>DATE | JOB NO | DATE ASSEMBLY<br>CODE FACILITY | LOT NO.     | PACKAGE | READ<br>POINT QTY FAIL |
|----------|-----|-----------------|--------|--------------------------------|-------------|---------|------------------------|
| DS5002   | C5  | JUL '00         | 25823  | 0027 ATK (Anam, K)             | DN012259AAL | MQFP    | 4 0                    |
| DS5002   | C5  | OCT '00         | 26056  | 0033 ATK (Anam, K)             | DN022328AAJ | MQFP    | 4 0                    |
| DS5002   | C5  | JAN '01         | 26505  | 0047 ATK (Anam, K)             | DN028766AAD | MQFP    | 4 0                    |
| DS87C520 | A15 | AUG '00         | 25863  | 0027 OSEP                      | DE013425AAD | PLCC    | 4 0                    |

# RELIABILITY MONITOR

STRESS: TEMP CYCLE

CONDITIONS: -40 TO 85C

| PRODUCT | REV | MONITOR<br>DATE | JOB NO | DATE ASSEMBLY<br>CODE FACILITY | LOT NO. | PACKAGE           | READ<br>POINT | QTY | FAIL |
|---------|-----|-----------------|--------|--------------------------------|---------|-------------------|---------------|-----|------|
| DS1644  | B2  | & DS9034        | 26194  | 0041 Fastech                   | 122179  | Power Cap         | 300           | 77  | 0    |
| DS2250  | E-T | JUN '00         | 25681  | 0026 Dallas                    | 117825  | SipStick w/Confor | 100           | 11  | 0    |
| DS2250  | E-T | JUN '00         | 25681  | 0026 Dallas                    | 117825  | SipStick w/Confor | 500           | 11  | 0    |
| DS2250  | E-T | SEP '00         | 25963  | 0035 Fastech                   | 117888  | SipStick w/Confor | 100           | 11  | 0    |
| DS2250  | E-T | SEP '00         | 25963  | 0035 Fastech                   | 117888  | SipStick w/Confor | 500           | 11  | 0    |

# RELIABILITY MONITOR

STRESS: TEMP CYCLE

CONDITIONS: -55C TO 125C

| PRODUCT | REV  | MONITOR |        | DATE ASSEMBLY |                      | LOT NO.     | PACKAGE | READ  |     |      |
|---------|------|---------|--------|---------------|----------------------|-------------|---------|-------|-----|------|
|         |      | DATE    | JOB NO | CODE          | FACILITY             |             |         | POINT | QTY | FAIL |
| DS1000  | E3   | OCT '00 | 26048  | 0033          | OSEP                 | DE009456ACE | SOIC    | 300   | 40  | 0    |
| DS1000  | E3   | OCT '00 | 26048  | 0033          | OSEP                 | DE009456ACE | SOIC    | 1000  | 37  | 0    |
| DS1232  | C2-L | OCT '00 | 26091  | 0039          | OSEP                 | DE028679ADB | SOIC    | 300   | 40  | 0    |
| DS1232  | C2-L | OCT '00 | 26091  | 0039          | OSEP                 | DE028679ADB | SOIC    | 1000  | 40  | 0    |
| DS1233  | A5   | JUL '00 | 25802  | 0025          | Carsem               | DM009468AA  | SOT223  | 700   | 37  | 0    |
| DS1233  | A5   | JUL '00 | 25802  | 0025          | Carsem               | DM009468AA  | SOT223  | 1000  | 36  | 2    |
| DS1233  | A5   | OCT '00 | 26128  | 0038          | Fastech              | DA017172ABA | SOT223  | 700   | 40  | 1    |
| DS1233  | A5   | OCT '00 | 26128  | 0038          | Fastech              | DA017172ABA | SOT223  | 1000  | 39  | 6    |
| DS1233  | A5   | JAN '01 | 26445  | 0049          | Fastech              | DA033011ABA | SOT223  | 700   | 40  | 0    |
| DS1267  | A2   | FEB '00 | 25177  | 9930          | ATP (Anam, PI)       | DK904472ADF | TSSOP   | 300   | 36  | 0    |
| DS1267  | A2   | FEB '00 | 25177  | 9930          | ATP (Anam, PI)       | DK904472ADF | TSSOP   | 1000  | 36  | 0    |
| DS1267  | A1   | AUG '00 | 25836  | 0021          | ATP (Anam, PI)       | DK012170AAA | TSSOP   | 300   | 35  | 0    |
| DS1267  | A1   | AUG '00 | 25836  | 0021          | ATP (Anam, PI)       | DK012170AAA | TSSOP   | 1000  | 35  | 0    |
| DS1302  | A3   | DEC '00 | 26334  | 0032          | CPS (ChipPac, China) | DH028629AB  | PDIP    | 300   | 40  | 0    |
| DS1302  | A3   | AUG '00 | 25933  | 0032          | CPS (ChipPac, China) | DH020619AAA | PDIP    | 300   | 40  | 0    |
| DS1302  | A3   | AUG '00 | 25933  | 0032          | CPS (ChipPac, China) | DH020619AAA | PDIP    | 1000  | 40  | 0    |
| DS1621  | A7   | MAR '00 | 25222  | 9950          | OSEP                 | DE940040AAC | SOIC    | 300   | 40  | 0    |
| DS1621  | A7   | MAR '00 | 25222  | 9950          | OSEP                 | DE940040AAC | SOIC    | 1000  | 40  | 0    |
| DS1803  | A2   | NOV '99 | 24740  | 9923          | ATP (Anam, PI)       | DK913631AAA | SOIC    | 300   | 40  | 0    |
| DS1803  | A2   | NOV '99 | 24740  | 9923          | ATP (Anam, PI)       | DK913631AAA | SOIC    | 1000  | 40  | 0    |
| DS1803  | A2   | FEB '00 | 25193  | 0007          | OSEP                 | DE946274AAA | SOIC    | 300   | 35  | 0    |
| DS1803  | A2   | MAY '00 | 25440  | 0013          | OSEP                 | DE951193AAF | SOIC    | 300   | 35  | 0    |

## RELIABILITY MONITOR

STRESS: TEMP CYCLE

CONDITIONS: -55C TO 125C

| PRODUCT | REV  | MONITOR |        | DATE ASSEMBLY |                      | LOT NO.     | PACKAGE | READ  |     |      |
|---------|------|---------|--------|---------------|----------------------|-------------|---------|-------|-----|------|
|         |      | DATE    | JOB NO | CODE          | FACILITY             |             |         | POINT | QTY | FAIL |
| DS1803  | A2   | MAY '00 | 25440  | 0013          | OSEP                 | DE951193AAF | SOIC    | 1000  | 20  | 0    |
| DS1803  | A2   | AUG '00 | 25927  | 0034          | OSEP                 | DE023435AAB | SOIC    | 300   | 35  | 0    |
| DS1869  | A3   | JUN '00 | 25545  | 0017          | CPS (ChipPac, China) | DH833210AAB | SOIC    | 300   | 40  | 0    |
| DS2108  | B7   | MAY '00 | 25527  | 0019          | ATP (Anam, PI)       | DK007198AAF | SOIC    | 300   | 40  | 0    |
| DS2108  | B7   | MAY '00 | 25527  | 0019          | ATP (Anam, PI)       | DK007198AAF | SOIC    | 1000  | 40  | 0    |
| DS2108  | B7   | AUG '00 | 25859  | 0029          | ATP (Anam, PI)       | DK016058AA  | SOIC    | 300   | 40  | 0    |
| DS2108  | B7   | AUG '00 | 25859  | 0029          | ATP (Anam, PI)       | DK016058AA  | SOIC    | 1000  | 40  | 0    |
| DS2108  | B7   | FEB '01 | 26581  | 0051          | ATK (Anam, K)        | DN041061AAE | SOIC    | 300   | 40  | 0    |
| DS2118M | B1   | SEP '00 | 25945  | 0033          | ATK (Anam, K)        | DN020718AAD | SSOP    | 300   | 77  | 0    |
| DS2118M | B1   | SEP '00 | 25945  | 0033          | ATK (Anam, K)        | DN020718AAD | SSOP    | 1000  | 77  | 0    |
| DS2118M | B1   | DEC '00 | 26364  | 0047          | ATK (Anam, K)        | DN033148ACE | SSOP    | 300   | 70  | 0    |
| DS2118M | B1   | DEC '00 | 26364  | 0047          | ATK (Anam, K)        | DN033148ACE | SSOP    | 1000  | 70  | 0    |
| DS21352 | A4   | DEC '00 | 26357  | 0044          | ATP (Anam, PI)       | DK031452AB  | LQFP    | 300   | 77  | 0    |
| DS2154  | A2   | SEP '00 | 25960  | 0034          | ATP (Anam, PI)       | DK022283AAA | LQFP    | 300   | 63  | 0    |
| DS2154  | A2   | SEP '00 | 25960  | 0034          | ATP (Anam, PI)       | DK022283AAA | LQFP    | 1000  | 63  | 0    |
| DS2154  | A2   | DEC '00 | 26379  | 0036          | Stats                | DC022275AAB | LQFP    | 300   | 70  | 0    |
| DS2154  | A2   | DEC '00 | 26379  | 0036          | Stats                | DC022275AAB | LQFP    | 1000  | 70  | 0    |
| DS2175  | D1   | OCT '00 | 26110  | 0042          | ATP (Anam, PI)       | DK031506AAC | SOIC    | 300   | 40  | 0    |
| DS2181A | A2   | JUL '00 | 25820  | 0016          | OSEP                 | DE004552ABD | PLCC    | 300   | 60  | 0    |
| DS21Q43 | A3-A | JUN '00 | 25506  | 0014          | ATK (Anam, K)        | DN004571AAB | LQFP    | 300   | 70  | 0    |
| DS21Q43 | A3-A | JUN '00 | 25506  | 0014          | ATK (Anam, K)        | DN004571AAB | LQFP    | 1000  | 69  | 0    |
| DS21Q43 | A3-A | SEP '00 | 25952  | 0031          | Stats                | DC022318AAD | LQFP    | 300   | 70  | 0    |

# RELIABILITY MONITOR

STRESS: TEMP CYCLE

CONDITIONS: -55C TO 125C

| PRODUCT  | REV  | MONITOR |        | DATE ASSEMBLY |                      | LOT NO.     | PACKAGE | READ  |     |      |
|----------|------|---------|--------|---------------|----------------------|-------------|---------|-------|-----|------|
|          |      | DATE    | JOB NO | CODE          | FACILITY             |             |         | POINT | QTY | FAIL |
| DS21Q43  | A3-A | SEP '00 | 25952  | 0031          | Stats                | DC022318AAD | LQFP    | 1000  | 70  | 0    |
| DS2401   | C2   | DEC '00 | 26339  | 0035          | Fastech              | DM014457AD  | TO92    | 300   | 40  | 0    |
| DS2401   | C2   | DEC '00 | 26339  | 0035          | Fastech              | DM014457AD  | TO92    | 1000  | 39  | 0    |
| DS2502   | C3   | JUN '00 | 25570  | 0011          | Carsem S             | DM941230AG  | SOIC    | 300   | 34  | 0    |
| DS2502   | C3   | JUN '00 | 25570  | 0011          | Carsem S             | DM941230AG  | SOIC    | 1000  | 34  | 0    |
| DS2502   | C3   | JUL '00 | 25813  | 0017          | CPS (ChipPac, China) | DH948636AG  | TSOC    | 300   | 72  | 0    |
| DS2502   | C3   | JUL '00 | 25813  | 0017          | CPS (ChipPac, China) | DH948636AG  | TSOC    | 1000  | 72  | 0    |
| DS5002   | C5   | JUL '00 | 25828  | 0027          | ATK (Anam, K)        | DN012259AAL | MQFP    | 300   | 37  | 0    |
| DS5002   | C5   | JUL '00 | 25828  | 0027          | ATK (Anam, K)        | DN012259AAL | MQFP    | 1000  | 37  | 0    |
| DS5002   | C5   | OCT '00 | 26061  | 0033          | ATK (Anam, K)        | DN022328AAJ | MQFP    | 300   | 38  | 0    |
| DS5002   | C5   | OCT '00 | 26061  | 0033          | ATK (Anam, K)        | DN022328AAJ | MQFP    | 1000  | 38  | 0    |
| DS80C320 | C5   | OCT '00 | 26066  | 0038          | CPS (ChipPac, China) | DH026369ABA | PDIP    | 300   | 40  | 0    |
| DS80C320 | C5   | OCT '00 | 26066  | 0038          | CPS (ChipPac, China) | DH026369ABA | PDIP    | 1000  | 40  | 0    |
| DS80C320 | C5   | JAN '01 | 26457  | 0049          | CPS (ChipPac, China) | DH031585BAA | PDIP    | 300   | 40  | 0    |
| DS87C520 | A15  | AUG '00 | 25868  | 0027          | OSEP                 | DE013425AAD | PLCC    | 300   | 50  | 0    |
| DS87C520 | A15  | AUG '00 | 25868  | 0027          | OSEP                 | DE013425AAD | PLCC    | 1000  | 50  | 0    |
| DS87C520 | A15  | NOV '00 | 26202  | 0042          | OSEP                 | DE029195AAB | PLCC    | 300   | 45  | 0    |
| DS87C520 | A15  | NOV '00 | 26202  | 0042          | OSEP                 | DE029195AAB | PLCC    | 1000  | 45  | 0    |

# RELIABILITY MONITOR

STRESS: TEMP CYCLE

CONDITIONS: 0C TO 70C

| PRODUCT | REV  | MONITOR<br>DATE | JOB NO | DATE<br>CODE | ASSEMBLY<br>FACILITY | LOT NO.     | PACKAGE            | READ<br>POINT | QTY | FAIL |
|---------|------|-----------------|--------|--------------|----------------------|-------------|--------------------|---------------|-----|------|
| DS1230  | B1-  | JUL '00         | 25778  | 0019         | Fastech              | 117143      | Module w/SMT       | 300           | 100 | 1    |
| DS1230  | B1-  | JUL '00         | 25778  | 0019         | Fastech              | 117143      | Module w/SMT       | 1000          | 99  | 0    |
| DS1230  | B1-Y | JUL '00         | 25782  | 0020         | Fastech              | 11387       | Low Profile Module | 300           | 77  | 0    |
| DS1230  | B1-Y | JUL '00         | 25782  | 0020         | Fastech              | 11387       | Low Profile Module | 1000          | 76  | 0    |
| DS1230  | A1-Y | OCT '00         | 26097  | 0039         | Fastech              | 120544      | Module w/SMT       | 300           | 100 | 0    |
| DS1230  | A1-Y | JAN '01         | 26430  | 0045         | Fastech              | 305435      | Module w/SMT       | 300           | 100 | 0    |
| DS12887 | A2-  | JUL '00         | 25808  | 0027         | Fastech              | 300063      | Module w/Bent Fra  | 300           | 100 | 0    |
| DS12887 | A2-  | JUL '00         | 25808  | 0027         | Fastech              | 300063      | Module w/Bent Fra  | 1000          | 100 | 0    |
| DS12887 | A2-  | OCT '00         | 26072  | 0040         | Fastech              | 300402      | Module w/Bent Fra  | 300           | 100 | 0    |
| DS12887 | A2-  | OCT '00         | 26072  | 0040         | Fastech              | 300402      | Module w/Bent Fra  | 1000          | 100 | 0    |
| DS1643  | C1   | AUG '00         | 25920  | 0033         | Fastech              | 121538      | Module w/Hi Densit | 300           | 77  | 0    |
| DS1643  | C1   | AUG '00         | 25920  | 0033         | Fastech              | 121538      | Module w/Hi Densit | 1000          | 77  | 1    |
| DS1643  | C1   | NOV '00         | 26181  | 0042         | Fastech              | 122271      | Module w/Hi Densit | 300           | 77  | 0    |
| DS1991  | F1   | SEP '00         | 25938  | 0036         | Dallas               | DS922809AA- | Puk Can F50 Rev B  | 300           | 77  | 0    |
| DS1991  | F1   | SEP '00         | 25938  | 0036         | Dallas               | DS922809AA- | Puk Can F50 Rev B  | 1000          | 77  | 0    |
| DS3816  | A-C  | & DS3801        | 26054  | 0041         | Dallas               | 120701      | BGA Module         | 300           | 33  | 5    |

# RELIABILITY MONITOR

STRESS: STORAGE LIFE

CONDITIONS: 150C

| PRODUCT  | REV | MONITOR<br>DATE | JOB NO | DATE ASSEMBLY<br>CODE FACILITY | LOT NO.     | PACKAGE | READ<br>POINT | QTY | FAIL |
|----------|-----|-----------------|--------|--------------------------------|-------------|---------|---------------|-----|------|
| DS1621   | A7  | MAR '00         | 25225  | 9950 OSEP                      | DE940040AAC | SOIC    | 336           | 50  | 0    |
| DS1621   | A7  | MAR '00         | 25225  | 9950 OSEP                      | DE940040AAC | SOIC    | 1000          | 50  | 0    |
| DS2502   | C3  | JUN '00         | 25572  | 0011 Carsem S                  | DM941230AG  | SOIC    | 336           | 34  | 0    |
| DS2502   | C3  | JUN '00         | 25572  | 0011 Carsem S                  | DM941230AG  | SOIC    | 1000          | 34  | 0    |
| DS87C520 | A15 | AUG '00         | 25870  | 0027 OSEP                      | DE013425AAD | PLCC    | 336           | 50  | 0    |
| DS87C520 | A15 | AUG '00         | 25870  | 0027 OSEP                      | DE013425AAD | PLCC    | 1000          | 50  | 0    |
| DS87C520 | A15 | NOV '00         | 26204  | 0042 OSEP                      | DE029195AAB | PLCC    | 336           | 48  | 0    |
| DS87C520 | A15 | NOV '00         | 26204  | 0042 OSEP                      | DE029195AAB | PLCC    | 1000          | 48  | 0    |

## RELIABILITY MONITOR

STRESS: STORAGE LIFE

CONDITIONS: 70C

| PRODUCT | REV  | MONITOR  |        | DATE ASSEMBLY |          | LOT NO.     | PACKAGE            | READ  |     |      |
|---------|------|----------|--------|---------------|----------|-------------|--------------------|-------|-----|------|
|         |      | DATE     | JOB NO | CODE          | FACILITY |             |                    | POINT | QTY | FAIL |
| DS1230  | B1-Y | JUL '00  | 25781  | 0020          | Fastech  | 11387       | Low Profile Module | 336   | 77  | 0    |
| DS1230  | B1-Y | JUL '00  | 25781  | 0020          | Fastech  | 11387       | Low Profile Module | 1000  | 77  | 0    |
| DS1643  | C1   | AUG '00  | 25919  | 0033          | Fastech  | 121538      | Module w/Hi Densit | 336   | 77  | 0    |
| DS1643  | C1   | AUG '00  | 25919  | 0033          | Fastech  | 121538      | Module w/Hi Densit | 1000  | 77  | 0    |
| DS1643  | C1   | NOV '00  | 26180  | 0042          | Fastech  | 122271      | Module w/Hi Densit | 336   | 77  | 0    |
| DS1643  | C1   | NOV '00  | 26180  | 0042          | Fastech  | 122271      | Module w/Hi Densit | 1000  | 77  | 0    |
| DS1643  | C1   | FEB '01  | 26565  | 0104          | Fastech  | 301297      | Module w/Hi Densit | 336   | 77  | 0    |
| DS1644  | B2   | & DS9034 | 26193  | 0041          | Fastech  | 122179      | Power Cap          | 336   | 74  | 0    |
| DS1991  | F1   | SEP '00  | 25937  | 0036          | Dallas   | DS922809AA- | Puk Can F50 Rev B  | 336   | 77  | 0    |
| DS1991  | F1   | SEP '00  | 25937  | 0036          | Dallas   | DS922809AA- | Puk Can F50 Rev B  | 1000  | 77  | 1    |
| DS1992  | E5   | DEC '00  | 26343  | 0046          | Dallas   | DS028764AA  | Tch Can F50        | 336   | 77  | 0    |
| DS1992  | E5   | DEC '00  | 26343  | 0046          | Dallas   | DS028764AA  | Tch Can F50        | 1000  | 77  | 0    |

# RELIABILITY MONITOR

STRESS: STORAGE LIFE

CONDITIONS: 85C

| PRODUCT | REV  | MONITOR<br>DATE | JOB NO | DATE ASSEMBLY<br>CODE FACILITY | LOT NO. | PACKAGE           | READ<br>POINT | QTY | FAIL |
|---------|------|-----------------|--------|--------------------------------|---------|-------------------|---------------|-----|------|
| DS1230  | B1-  | JUL '00         | 25777  | 0019 Fastech                   | 117143  | Module w/SMT      | 48            | 200 | 0    |
| DS1230  | A1-Y | OCT '00         | 26096  | 0039 Fastech                   | 120544  | Module w/SMT      | 48            | 200 | 0    |
| DS1230  | A1-Y | JAN '01         | 26429  | 0045 Fastech                   | 305435  | Module w/SMT      | 48            | 200 | 0    |
| DS2250  | E-T  | JUN '00         | 25680  | 0026 Dallas                    | 117825  | SipStick w/Confor | 336           | 11  | 0    |
| DS2250  | E-T  | JUN '00         | 25680  | 0026 Dallas                    | 117825  | SipStick w/Confor | 1000          | 11  | 0    |
| DS2250  | E-T  | SEP '00         | 25962  | 0035 Fastech                   | 117888  | SipStick w/Confor | 336           | 11  | 0    |
| DS2250  | E-T  | SEP '00         | 25962  | 0035 Fastech                   | 117888  | SipStick w/Confor | 1000          | 11  | 0    |
| DS3816  | A-C  | & DS3801        | 26053  | 0041 Dallas                    | 120701  | BGA Module        | 336           | 33  | 0    |

# RELIABILITY MONITOR

STRESS: SOLDERABILITY

CONDITIONS: MIL-STD-883-2003

| PRODUCT | REV  | MONITOR<br>DATE | JOB NO | DATE ASSEMBLY<br>CODE | FACILITY | LOT NO. | PACKAGE            | READ<br>POINT | QTY | FAIL |
|---------|------|-----------------|--------|-----------------------|----------|---------|--------------------|---------------|-----|------|
| DS1230  | B1-  | JUL '00         | 25775  | 0019                  | Fastech  | 117143  | Module w/SMT       |               | 3   | 2    |
| DS1230  | A1-Y | OCT '00         | 26094  | 0039                  | Fastech  | 120544  | Module w/SMT       |               | 3   | 0    |
| DS1230  | A1-Y | JAN '01         | 26427  | 0045                  | Fastech  | 305435  | Module w/SMT       |               | 3   | 0    |
| DS12887 | A2-  | JUL '00         | 25805  | 0027                  | Fastech  | 300063  | Module w/Bent Fra  |               | 3   | 0    |
| DS12887 | A2-  | OCT '00         | 26069  | 0040                  | Fastech  | 300402  | Module w/Bent Fra  |               | 3   | 0    |
| DS1643  | C1   | AUG '00         | 25917  | 0033                  | Fastech  | 121538  | Module w/Hi Densit |               | 3   | 0    |
| DS1643  | C1   | NOV '00         | 26178  | 0042                  | Fastech  | 122271  | Module w/Hi Densit |               | 3   | 0    |
| DS1643  | C1   | FEB '01         | 26563  | 0104                  | Fastech  | 301297  | Module w/Hi Densit |               | 3   | 0    |

# RELIABILITY MONITOR

STRESS: PRECONDITION U/S

CONDITIONS: J-STD-020

| PRODUCT | REV  | MONITOR |        | DATE ASSEMBLY |                      | LOT NO.     | PACKAGE | READ  |     |
|---------|------|---------|--------|---------------|----------------------|-------------|---------|-------|-----|
|         |      | DATE    | JOB NO | CODE          | FACILITY             |             |         | POINT | QTY |
| DS1232  | C2-L | OCT '00 | 26088  | 0039          | OSEP                 | DE028679ADB | SOIC    | 4     | 0   |
| DS1267  | A2   | FEB '00 | 25174  | 9930          | ATP (Anam, PI)       | DK904472ADF | TSSOP   | 4     | 0   |
| DS1267  | A1   | AUG '00 | 25833  | 0021          | ATP (Anam, PI)       | DK012170AAA | TSSOP   | 4     | 0   |
| DS1621  | A7   | MAR '00 | 25219  | 9950          | OSEP                 | DE940040AAC | SOIC    | 4     | 0   |
| DS1803  | A2   | NOV '99 | 24737  | 9923          | ATP (Anam, PI)       | DK913631AAA | SOIC    | 4     | 0   |
| DS1803  | A2   | FEB '00 | 25190  | 0007          | OSEP                 | DE946274AAA | SOIC    | 4     | 0   |
| DS1803  | A2   | MAY '00 | 25437  | 0013          | OSEP                 | DE951193AAF | SOIC    | 4     | 0   |
| DS1803  | A2   | AUG '00 | 25924  | 0034          | OSEP                 | DE023435AAB | SOIC    | 4     | 0   |
| DS1869  | A3   | JUN '00 | 25542  | 0017          | CPS (ChipPac, China) | DH833210AAB | SOIC    | 4     | 0   |
| DS2108  | B7   | MAY '00 | 25524  | 0019          | ATP (Anam, PI)       | DK007198AAF | SOIC    | 4     | 0   |
| DS2108  | B7   | AUG '00 | 25856  | 0029          | ATP (Anam, PI)       | DK016058AA  | SOIC    | 4     | 0   |
| DS2118M | B1   | SEP '00 | 25942  | 0033          | ATK (Anam, K)        | DN020718AAD | SSOP    | 4     | 0   |
| DS2154  | A2   | SEP '00 | 25957  | 0034          | ATP (Anam, PI)       | DK022283AAA | LQFP    | 4     | 0   |
| DS2175  | D1   | OCT '00 | 26107  | 0042          | ATP (Anam, PI)       | DK031506AAC | SOIC    | 4     | 0   |
| DS2181A | A2   | JUL '00 | 25817  | 0016          | OSEP                 | DE004552ABD | PLCC    | 4     | 0   |
| DS21Q43 | A3-A | JUN '00 | 25503  | 0014          | ATK (Anam, K)        | DN004571AAB | LQFP    | 4     | 0   |
| DS21Q43 | A3-A | SEP '00 | 25949  | 0031          | Stats                | DC022318AAD | LQFP    | 4     | 0   |
| DS2502  | C3   | JUN '00 | 25567  | 0011          | Carsem S             | DM941230AG  | SOIC    | 4     | 0   |
| DS5002  | C5   | JUL '00 | 25825  | 0027          | ATK (Anam, K)        | DN012259AAL | MQFP    | 4     | 0   |
| DS5002  | C5   | OCT '00 | 26058  | 0033          | ATK (Anam, K)        | DN022328AAJ | MQFP    | 4     | 0   |
| DS5002  | C5   | JAN '01 | 26507  | 0047          | ATK (Anam, K)        | DN028766AAD | MQFP    | 4     | 0   |

# RELIABILITY MONITOR

STRESS: PHYSICAL DIMENSIONS

CONDITIONS: MIL-STD-883-2016

| PRODUCT | REV  | MONITOR |        | DATE ASSEMBLY |          | LOT NO. | PACKAGE            | READ  |     |
|---------|------|---------|--------|---------------|----------|---------|--------------------|-------|-----|
|         |      | DATE    | JOB NO | CODE          | FACILITY |         |                    | POINT | QTY |
| DS1230  | B1-  | JUL '00 | 25776  | 0019          | Fastech  | 117143  | Module w/SMT       | 6     | 0   |
| DS1230  | B1-Y | JUL '00 | 25780  | 0020          | Fastech  | 11387   | Low Profile Module | 6     | 0   |
| DS1230  | A1-Y | OCT '00 | 26095  | 0039          | Fastech  | 120544  | Module w/SMT       | 6     | 0   |
| DS1230  | A1-Y | JAN '01 | 26428  | 0045          | Fastech  | 305435  | Module w/SMT       | 6     | 0   |
| DS12887 | A2-  | JUL '00 | 25806  | 0027          | Fastech  | 300063  | Module w/Bent Fra  | 6     | 0   |
| DS12887 | A2-  | OCT '00 | 26070  | 0040          | Fastech  | 300402  | Module w/Bent Fra  | 6     | 0   |
| DS1643  | C1   | AUG '00 | 25918  | 0033          | Fastech  | 121538  | Module w/Hi Densit | 6     | 0   |
| DS1643  | C1   | NOV '00 | 26179  | 0042          | Fastech  | 122271  | Module w/Hi Densit | 6     | 0   |
| DS1643  | C1   | FEB '01 | 26564  | 0104          | Fastech  | 301297  | Module w/Hi Densit | 6     | 0   |

## RELIABILITY MONITOR

STRESS: MOISTURE SOAK

CONDITIONS: 60C/90% R.H.

| PRODUCT | REV  | MONITOR  |        | DATE | ASSEMBLY | LOT NO.     | PACKAGE            | READ |          |       |
|---------|------|----------|--------|------|----------|-------------|--------------------|------|----------|-------|
|         |      | DATE     | JOB NO |      |          |             |                    | CODE | FACILITY | POINT |
| DS1230  | B1-  | JUL '00  | 25779  | 0019 | Fastech  | 117143      | Module w/SMT       | 288  | 100      | 0     |
| DS1230  | B1-  | JUL '00  | 25779  | 0019 | Fastech  | 117143      | Module w/SMT       | 960  | 99       | 0     |
| DS1230  | B1-Y | JUL '00  | 25783  | 0020 | Fastech  | 11387       | Low Profile Module | 288  | 76       | 0     |
| DS1230  | A1-Y | OCT '00  | 26098  | 0039 | Fastech  | 120544      | Module w/SMT       | 288  | 100      | 0     |
| DS1230  | A1-Y | OCT '00  | 26098  | 0039 | Fastech  | 120544      | Module w/SMT       | 960  | 100      | 0     |
| DS1230  | A1-Y | JAN '01  | 26431  | 0045 | Fastech  | 305435      | Module w/SMT       | 288  | 100      | 0     |
| DS1643  | C1   | AUG '00  | 25921  | 0033 | Fastech  | 121538      | Module w/Hi Densit | 288  | 77       | 0     |
| DS1643  | C1   | NOV '00  | 26182  | 0042 | Fastech  | 122271      | Module w/Hi Densit | 288  | 77       | 0     |
| DS1644  | B2   | & DS9034 | 26195  | 0041 | Fastech  | 122179      | Power Cap          | 288  | 77       | 4     |
| DS1646  | B2   | JUL '00  | 25774  | 0026 | Fastech  | 119855      | Module w/Hi Densit | 288  | 77       | 20    |
| DS1646  | B2   | JUL '00  | 25774  | 0026 | Fastech  | 119855      | Module w/Hi Densit | 576  | 57       | 7     |
| DS1646  | B2   | JUL '00  | 25774  | 0026 | Fastech  | 119855      | Module w/Hi Densit | 960  | 50       | 8     |
| DS1646  | B2   | OCT '00  | 26132  | 0039 | Fastech  | 122182      | Module w/Hi Densit | 288  | 77       | 2     |
| DS1646  | B2   | JAN '01  | 26454  | 0050 | Fastech  | 300710      | Module w/Hi Densit | 288  | 77       | 1     |
| DS1991  | F1   | SEP '00  | 25939  | 0036 | Dallas   | DS922809AA- | Puk Can F50 Rev B  | 288  | 77       | 0     |
| DS1991  | F1   | SEP '00  | 25939  | 0036 | Dallas   | DS922809AA- | Puk Can F50 Rev B  | 960  | 77       | 0     |
| DS1992  | E5   | DEC '00  | 26345  | 0046 | Dallas   | DS028764AA  | Tch Can F50        | 288  | 77       | 0     |
| DS2250  | E-T  | JUN '00  | 25682  | 0026 | Dallas   | 117825      | SipStick w/Confor  | 192  | 11       | 0     |
| DS2250  | E-T  | JUN '00  | 25682  | 0026 | Dallas   | 117825      | SipStick w/Confor  | 384  | 11       | 0     |
| DS2250  | E-T  | SEP '00  | 25964  | 0035 | Fastech  | 117888      | SipStick w/Confor  | 192  | 11       | 0     |
| DS2250  | E-T  | SEP '00  | 25964  | 0035 | Fastech  | 117888      | SipStick w/Confor  | 384  | 11       | 0     |
| DS3816  | A-C  | & DS3801 | 26055  | 0041 | Dallas   | 120701      | BGA Module         | 288  | 33       | 2     |

# RELIABILITY MONITOR

STRESS: INFANT LIFE

CONDITIONS: 85C

| PRODUCT | REV | MONITOR<br>DATE | JOB NO | DATE ASSEMBLY<br>CODE FACILITY | LOT NO. | PACKAGE           | READ<br>POINT | QTY | FAIL |
|---------|-----|-----------------|--------|--------------------------------|---------|-------------------|---------------|-----|------|
| DS12887 | A2- | JUL '00         | 25807  | 0027 Fastech                   | 300063  | Module w/Bent Fra | 48            | 200 | 0    |
| DS12887 | A2- | OCT '00         | 26071  | 0040 Fastech                   | 300402  | Module w/Bent Fra | 48            | 200 | 0    |

## RELIABILITY MONITOR

STRESS: HAST, NO BIAS

CONDITIONS: 130C, 85% R.H.

| PRODUCT | REV  | MONITOR<br>DATE | JOB NO | DATE ASSEMBLY<br>CODE FACILITY | LOT NO.     | PACKAGE | READ<br>POINT | QTY | FAIL |
|---------|------|-----------------|--------|--------------------------------|-------------|---------|---------------|-----|------|
| DS21352 | A4   | DEC '00         | 26358  | 0044 ATP (Anam, PI)            | DK031452AB  | LQFP    | 200           | 71  | 0    |
| DS2154  | A2   | SEP '00         | 25961  | 0034 ATP (Anam, PI)            | DK022283AAA | LQFP    | 200           | 64  | 0    |
| DS2154  | A2   | DEC '00         | 26380  | 0036 Stats                     | DC022275AAB | LQFP    | 200           | 77  | 0    |
| DS21Q43 | A3-A | JUN '00         | 25508  | 0014 ATK (Anam, K)             | DN004571AAB | LQFP    | 100           | 38  | 0    |
| DS21Q43 | A3-A | SEP '00         | 25954  | 0031 Stats                     | DC022318AAD | LQFP    | 100           | 36  | 0    |

# RELIABILITY MONITOR

STRESS: HAST

CONDITIONS: 130C, 85%R.H.,5.5V

| PRODUCT  | REV  | MONITOR<br>DATE | JOB NO | DATE ASSEMBLY<br>CODE FACILITY | LOT NO.     | PACKAGE | READ<br>POINT | QTY | FAIL |
|----------|------|-----------------|--------|--------------------------------|-------------|---------|---------------|-----|------|
| DS1232   | C2-L | OCT '00         | 26092  | 0039 OSEP                      | DE028679ADB | SOIC    | 100           | 76  | 0    |
| DS1233   | A5   | JUL '00         | 25803  | 0025 Carsem                    | DM009468AA  | SOT223  | 100           | 72  | 1    |
| DS1233   | A5   | OCT '00         | 26129  | 0038 Fastech                   | DA017172ABA | SOT223  | 100           | 75  | 0    |
| DS1233   | A5   | JAN '01         | 26446  | 0049 Fastech                   | DA033011ABA | SOT223  | 100           | 72  | 0    |
| DS2181A  | A2   | JUL '00         | 25821  | 0016 OSEP                      | DE004552ABD | PLCC    | 100           | 59  | 0    |
| DS2401   | C2   | DEC '00         | 26340  | 0035 Fastech                   | DM014457AD  | TO92    | 100           | 77  | 0    |
| DS87C520 | A15  | AUG '00         | 25869  | 0027 OSEP                      | DE013425AAD | PLCC    | 100           | 57  | 0    |
| DS87C520 | A15  | NOV '00         | 26203  | 0042 OSEP                      | DE029195AAB | PLCC    | 100           | 60  | 0    |

# RELIABILITY MONITOR

STRESS: CONVECTION REFLOW

CONDITIONS: 220C

| PRODUCT | REV | MONITOR DATE | JOB NO | DATE ASSEMBLY CODE | FACILITY | LOT NO. | PACKAGE            | READ POINT | QTY | FAIL |
|---------|-----|--------------|--------|--------------------|----------|---------|--------------------|------------|-----|------|
| DS1644  | B2  | & DS9034     | 26191  | 0041               | Fastech  | 122179  | Power Cap          | 2          | 231 | 0    |
| DS1644  | B2  | & DS9034     | 26625  | 0051               | Fastech  | 300700  | Low Profile Module | 2          | 225 | 0    |
| DS3816  | A-C | & DS3801     | 26051  | 0041               | Dallas   | 120701  | BGA Module         | 2          | 99  | 0    |

# RELIABILITY MONITOR

STRESS: CONVECTION REFLOW

CONDITIONS: 235C

| PRODUCT | REV  | MONITOR |        | DATE ASSEMBLY |                      | LOT NO.     | PACKAGE | READ  |     |      |
|---------|------|---------|--------|---------------|----------------------|-------------|---------|-------|-----|------|
|         |      | DATE    | JOB NO | CODE          | FACILITY             |             |         | POINT | QTY | FAIL |
| DS1232  | C2-L | OCT '00 | 26087  | 0039          | OSEP                 | DE028679ADB | SOIC    | 3     | 238 | 0    |
| DS1232  | C2-L | JAN '01 | 26433  | 0051          | ATP (Anam, PI)       | DK038265AAC | SOIC    | 3     | 238 | 0    |
| DS1233  | A5   | JUL '00 | 25798  | 0025          | Carsem               | DM009468AA  | SOT223  | 3     | 233 | 0    |
| DS1233  | A5   | OCT '00 | 26124  | 0038          | Fastech              | DA017172ABA | SOT223  | 3     | 233 | 3    |
| DS1233  | A5   | JAN '01 | 26441  | 0049          | Fastech              | DA033011ABA | SOT223  | 3     | 233 | 0    |
| DS1267  | A2   | FEB '00 | 25173  | 9930          | ATP (Anam, PI)       | DK904472ADF | TSSOP   | 3     | 238 | 0    |
| DS1267  | A1   | AUG '00 | 25832  | 0021          | ATP (Anam, PI)       | DK012170AAA | TSSOP   | 3     | 238 | 0    |
| DS1267  | A1   | FEB '01 | 26569  | 0102          | Carsem S             | DM039441AB  | TSSOP   | 3     | 238 | 0    |
| DS1621  | A7   | MAR '00 | 25218  | 9950          | OSEP                 | DE940040AAC | SOIC    | 3     | 241 | 0    |
| DS1803  | A2   | NOV '99 | 24736  | 9923          | ATP (Anam, PI)       | DK913631AAA | SOIC    | 3     | 238 | 0    |
| DS1803  | A2   | FEB '00 | 25189  | 0007          | OSEP                 | DE946274AAA | SOIC    | 3     | 238 | 0    |
| DS1803  | A2   | MAY '00 | 25436  | 0013          | OSEP                 | DE951193AAF | SOIC    | 3     | 238 | 0    |
| DS1803  | A2   | AUG '00 | 25923  | 0034          | OSEP                 | DE023435AAB | SOIC    | 3     | 238 | 0    |
| DS1869  | A3   | JUN '00 | 25541  | 0017          | CPS (ChipPac, China) | DH833210AAB | SOIC    | 3     | 241 | 0    |
| DS2108  | B7   | MAY '00 | 25523  | 0019          | ATP (Anam, PI)       | DK007198AAF | SOIC    | 3     | 238 | 3    |
| DS2108  | B7   | AUG '00 | 25855  | 0029          | ATP (Anam, PI)       | DK016058AA  | SOIC    | 3     | 238 | 0    |
| DS2108  | B7   | FEB '01 | 26577  | 0051          | ATK (Anam, K)        | DN041061AAE | SOIC    | 3     | 238 | 0    |
| DS2118M | B1   | SEP '00 | 25941  | 0033          | ATK (Anam, K)        | DN020718AAD | SSOP    | 3     | 238 | 0    |
| DS2118M | B1   | DEC '00 | 26360  | 0047          | ATK (Anam, K)        | DN033148ACE | SSOP    | 3     | 238 | 0    |
| DS21352 | A4   | DEC '00 | 26353  | 0044          | ATP (Anam, PI)       | DK031452AB  | LQFP    | 3     | 238 | 3    |
| DS2154  | A2   | SEP '00 | 25956  | 0034          | ATP (Anam, PI)       | DK022283AAA | LQFP    | 3     | 238 | 0    |
| DS2154  | A2   | DEC '00 | 26375  | 0036          | Stats                | DC022275AAB | LQFP    | 3     | 238 | 0    |

# RELIABILITY MONITOR

STRESS: CONVECTION REFLOW

CONDITIONS: 235C

| PRODUCT  | REV  | MONITOR |        | DATE ASSEMBLY |                      | LOT NO.     | PACKAGE | READ  |     |      |
|----------|------|---------|--------|---------------|----------------------|-------------|---------|-------|-----|------|
|          |      | DATE    | JOB NO | CODE          | FACILITY             |             |         | POINT | QTY | FAIL |
| DS2175   | D1   | OCT '00 | 26106  | 0042          | ATP (Anam, PI)       | DK031506AAC | SOIC    | 3     | 238 | 0    |
| DS2175   | D1   | JAN '01 | 26420  | 0046          | ATP (Anam, PI)       | DE033119AAB | SOIC    | 3     | 238 | 0    |
| DS21Q43  | A3-A | JUN '00 | 25502  | 0014          | ATK (Anam, K)        | DN004571AAB | LQFP    | 3     | 239 | 0    |
| DS21Q43  | A3-A | SEP '00 | 25948  | 0031          | Stats                | DC022318AAD | LQFP    | 3     | 239 | 0    |
| DS21Q43  | A3-A | DEC '00 | 26367  | 0034          | ATK (Anam, K)        | DN027568AAC | LQFP    | 3     | 239 | 0    |
| DS2502   | C3   | JUN '00 | 25566  | 0011          | Carsem S             | DM941230AG  | SOIC    | 3     | 238 | 0    |
| DS2502   | C3   | JUL '00 | 25811  | 0017          | CPS (ChipPac, China) | DH948636AG  | TSOC    | 3     | 151 | 0    |
| DS80CH11 | A4   | DEC '00 | 26396  | 0033          | ATK (Anam, K)        | DN022359AAA | LQFP    | 3     | 239 | 0    |

## RELIABILITY MONITOR

STRESS: BIASED MOISTURE

CONDITIONS: 85/85, 5.5 VOLTS

| PRODUCT | REV | MONITOR |        | DATE ASSEMBLY |                      | LOT NO.     | PACKAGE           | READ  |     |      |
|---------|-----|---------|--------|---------------|----------------------|-------------|-------------------|-------|-----|------|
|         |     | DATE    | JOB NO | CODE          | FACILITY             |             |                   | POINT | QTY | FAIL |
| DS1000  | E3  | OCT '00 | 26049  | 0033          | OSEP                 | DE009456ACE | SOIC              | 274   | 77  | 0    |
| DS1000  | E3  | OCT '00 | 26049  | 0033          | OSEP                 | DE009456ACE | SOIC              | 959   | 77  | 0    |
| DS1267  | A2  | FEB '00 | 25178  | 9930          | ATP (Anam, PI)       | DK904472ADF | TSSOP             | 274   | 77  | 0    |
| DS1267  | A2  | FEB '00 | 25178  | 9930          | ATP (Anam, PI)       | DK904472ADF | TSSOP             | 959   | 77  | 0    |
| DS1267  | A1  | AUG '00 | 25837  | 0021          | ATP (Anam, PI)       | DK012170AAA | TSSOP             | 274   | 75  | 0    |
| DS1267  | A1  | AUG '00 | 25837  | 0021          | ATP (Anam, PI)       | DK012170AAA | TSSOP             | 959   | 69  | 0    |
| DS12887 | A2- | JUL '00 | 25809  | 0027          | Fastech              | 300063      | Module w/Bent Fra | 274   | 100 | 0    |
| DS12887 | A2- | JUL '00 | 25809  | 0027          | Fastech              | 300063      | Module w/Bent Fra | 959   | 100 | 0    |
| DS12887 | A2- | OCT '00 | 26073  | 0040          | Fastech              | 300402      | Module w/Bent Fra | 274   | 82  | 0    |
| DS12887 | A2- | OCT '00 | 26073  | 0040          | Fastech              | 300402      | Module w/Bent Fra | 959   | 82  | 0    |
| DS1302  | A3  | DEC '00 | 26335  | 0032          | CPS (ChipPac, China) | DH028629AB  | PDIP              | 274   | 77  | 0    |
| DS1302  | A3  | AUG '00 | 25934  | 0032          | CPS (ChipPac, China) | DH020619AAA | PDIP              | 274   | 77  | 0    |
| DS1302  | A3  | AUG '00 | 25934  | 0032          | CPS (ChipPac, China) | DH020619AAA | PDIP              | 959   | 77  | 0    |
| DS1621  | A7  | MAR '00 | 25223  | 9950          | OSEP                 | DE940040AAC | SOIC              | 274   | 70  | 0    |
| DS1621  | A7  | MAR '00 | 25223  | 9950          | OSEP                 | DE940040AAC | SOIC              | 959   | 69  | 0    |
| DS1803  | A2  | NOV '99 | 24741  | 9923          | ATP (Anam, PI)       | DK913631AAA | SOIC              | 274   | 67  | 0    |
| DS1803  | A2  | NOV '99 | 24741  | 9923          | ATP (Anam, PI)       | DK913631AAA | SOIC              | 959   | 67  | 0    |
| DS1803  | A2  | FEB '00 | 25194  | 0007          | OSEP                 | DE946274AAA | SOIC              | 274   | 68  | 0    |
| DS1803  | A2  | FEB '00 | 25194  | 0007          | OSEP                 | DE946274AAA | SOIC              | 959   | 57  | 0    |
| DS1803  | A2  | MAY '00 | 25441  | 0013          | OSEP                 | DE951193AAF | SOIC              | 274   | 64  | 0    |
| DS1803  | A2  | AUG '00 | 25928  | 0034          | OSEP                 | DE023435AAB | SOIC              | 274   | 64  | 0    |
| DS1869  | A3  | JUN '00 | 25546  | 0017          | CPS (ChipPac, China) | DH833210AAB | SOIC              | 274   | 70  | 1    |

## RELIABILITY MONITOR

STRESS: BIASED MOISTURE

CONDITIONS: 85/85, 5.5 VOLTS

| PRODUCT  | REV  | MONITOR |        | DATE ASSEMBLY |                      | LOT NO.     | PACKAGE | READ  |     |      |
|----------|------|---------|--------|---------------|----------------------|-------------|---------|-------|-----|------|
|          |      | DATE    | JOB NO | CODE          | FACILITY             |             |         | POINT | QTY | FAIL |
| DS2108   | B7   | MAY '00 | 25528  | 0019          | ATP (Anam, PI)       | DK007198AAF | SOIC    | 274   | 77  | 0    |
| DS2108   | B7   | MAY '00 | 25528  | 0019          | ATP (Anam, PI)       | DK007198AAF | SOIC    | 959   | 76  | 0    |
| DS2108   | B7   | AUG '00 | 25860  | 0029          | ATP (Anam, PI)       | DK016058AA  | SOIC    | 274   | 77  | 3    |
| DS2108   | B7   | AUG '00 | 25860  | 0029          | ATP (Anam, PI)       | DK016058AA  | SOIC    | 959   | 74  | 0    |
| DS2175   | D1   | OCT '00 | 26111  | 0042          | ATP (Anam, PI)       | DK031506AAC | SOIC    | 274   | 77  | 0    |
| DS2175   | D1   | OCT '00 | 26111  | 0042          | ATP (Anam, PI)       | DK031506AAC | SOIC    | 959   | 77  | 0    |
| DS21Q43  | A3-A | JUN '00 | 25507  | 0014          | ATK (Anam, K)        | DN004571AAB | LQFP    | 274   | 39  | 0    |
| DS21Q43  | A3-A | JUN '00 | 25507  | 0014          | ATK (Anam, K)        | DN004571AAB | LQFP    | 959   | 36  | 0    |
| DS21Q43  | A3-A | SEP '00 | 25953  | 0031          | Stats                | DC022318AAD | LQFP    | 274   | 46  | 0    |
| DS2502   | C3   | JUN '00 | 25571  | 0011          | Carsem S             | DM941230AG  | SOIC    | 274   | 77  | 0    |
| DS2502   | C3   | JUN '00 | 25571  | 0011          | Carsem S             | DM941230AG  | SOIC    | 959   | 76  | 0    |
| DS5002   | C5   | JUL '00 | 25829  | 0027          | ATK (Anam, K)        | DN012259AAL | MQFP    | 274   | 42  | 0    |
| DS5002   | C5   | OCT '00 | 26062  | 0033          | ATK (Anam, K)        | DN022328AAJ | MQFP    | 274   | 42  | 0    |
| DS80C320 | C5   | OCT '00 | 26067  | 0038          | CPS (ChipPac, China) | DH026369ABA | PDIP    | 274   | 77  | 0    |
| DS80C320 | C5   | OCT '00 | 26067  | 0038          | CPS (ChipPac, China) | DH026369ABA | PDIP    | 959   | 77  | 0    |
| DS80C320 | C5   | JAN '01 | 26458  | 0049          | CPS (ChipPac, China) | DH031585BAA | PDIP    | 274   | 77  | 0    |

## RELIABILITY MONITOR

STRESS: AUTOCLAVE

CONDITIONS: 121C, 2 ATM STEAM, UNBIASED

| PRODUCT | REV  | MONITOR |        | DATE ASSEMBLY |                      | LOT NO.     | PACKAGE | READ  |     |      |
|---------|------|---------|--------|---------------|----------------------|-------------|---------|-------|-----|------|
|         |      | DATE    | JOB NO | CODE          | FACILITY             |             |         | POINT | QTY | FAIL |
| DS1000  | E3   | OCT '00 | 26050  | 0033          | OSEP                 | DE009456ACE | SOIC    | 96    | 38  | 0    |
| DS1232  | C2-L | OCT '00 | 26093  | 0039          | OSEP                 | DE028679ADB | SOIC    | 96    | 39  | 0    |
| DS1233  | A5   | JUL '00 | 25804  | 0025          | Carsem               | DM009468AA  | SOT223  | 96    | 37  | 0    |
| DS1233  | A5   | OCT '00 | 26130  | 0038          | Fastech              | DA017172ABA | SOT223  | 96    | 40  | 0    |
| DS1233  | A5   | JAN '01 | 26447  | 0049          | Fastech              | DA033011ABA | SOT223  | 96    | 40  | 0    |
| DS1267  | A2   | FEB '00 | 25179  | 9930          | ATP (Anam, PI)       | DK904472ADF | TSSOP   | 96    | 36  | 0    |
| DS1267  | A1   | AUG '00 | 25838  | 0021          | ATP (Anam, PI)       | DK012170AAA | TSSOP   | 96    | 35  | 0    |
| DS1302  | A3   | AUG '00 | 25935  | 0032          | CPS (ChipPac, China) | DH020619AAA | PDIP    | 96    | 38  | 0    |
| DS1302  | A3   | DEC '00 | 26336  | 0032          | CPS (ChipPac, China) | DH028629AB  | PDIP    | 96    | 38  | 0    |
| DS1803  | A2   | NOV '99 | 24742  | 9923          | ATP (Anam, PI)       | DK913631AAA | SOIC    | 96    | 40  | 0    |
| DS1803  | A2   | FEB '00 | 25195  | 0007          | OSEP                 | DE946274AAA | SOIC    | 96    | 35  | 0    |
| DS1803  | A2   | MAY '00 | 25442  | 0013          | OSEP                 | DE951193AAF | SOIC    | 96    | 35  | 0    |
| DS1803  | A2   | AUG '00 | 25929  | 0034          | OSEP                 | DE023435AAB | SOIC    | 96    | 30  | 0    |
| DS2108  | B7   | MAY '00 | 25529  | 0019          | ATP (Anam, PI)       | DK007198AAF | SOIC    | 96    | 37  | 0    |
| DS2108  | B7   | AUG '00 | 25861  | 0029          | ATP (Anam, PI)       | DK016058AA  | SOIC    | 96    | 33  | 0    |
| DS2118M | B1   | SEP '00 | 25946  | 0033          | ATK (Anam, K)        | DN020718AAD | SSOP    | 96    | 77  | 0    |
| DS2118M | B1   | DEC '00 | 26365  | 0047          | ATK (Anam, K)        | DN033148ACE | SSOP    | 96    | 77  | 0    |
| DS2175  | D1   | OCT '00 | 26112  | 0042          | ATP (Anam, PI)       | DK031506AAC | SOIC    | 96    | 40  | 0    |
| DS2181A | A2   | JUL '00 | 25822  | 0016          | OSEP                 | DE004552ABD | PLCC    | 96    | 38  | 0    |
| DS2401  | C2   | DEC '00 | 26341  | 0035          | Fastech              | DM014457AD  | TO92    | 96    | 40  | 0    |
| DS2502  | C3   | JUL '00 | 25814  | 0017          | CPS (ChipPac, China) | DH948636AG  | TSOC    | 96    | 70  | 0    |
| DS5002  | C5   | JUL '00 | 25830  | 0027          | ATK (Anam, K)        | DN012259AAL | MQFP    | 96    | 37  | 0    |

# RELIABILITY MONITOR

STRESS: AUTOCLAVE

CONDITIONS: 121C, 2 ATM STEAM, UNBIASED

| PRODUCT  | REV | MONITOR<br>DATE | JOB NO | DATE ASSEMBLY<br>CODE FACILITY | LOT NO.     | PACKAGE | READ<br>POINT | QTY | FAIL |
|----------|-----|-----------------|--------|--------------------------------|-------------|---------|---------------|-----|------|
| DS5002   | C5  | OCT '00         | 26063  | 0033 ATK (Anam, K)             | DN022328AAJ | MQFP    | 96            | 37  | 0    |
| DS80C320 | C5  | OCT '00         | 26068  | 0038 CPS (ChipPac, China)      | DH026369ABA | PDIP    | 96            | 37  | 0    |
| DS80C320 | C5  | JAN '01         | 26459  | 0049 CPS (ChipPac, China)      | DH031585BAA | PDIP    | 96            | 38  | 0    |