AuthenTec, Inc.
Personal Security for the Real World™

Reflow Profile Specification
…for the AES4XXX Sensor Family

Minutiae
047 018 287
106 021 192
070 023 210
053 024 000
073 032 230
108 032 428
091 033 174
058 039 248
108 054 402
125 059 400
099 060 400
070 061 256
048 068 340
065 070 338
104 071 358
115 075 358
041 077 096
123 079 384
063 083 064
053 091 052
028 097 052
084 100 031
050 102 044
103 106 050
117 111 046
104 118 282

Manufacturers

Reference

2160 Rev 1.0
22 February 01

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AES4XXX Product Family Reflow Specification
2160 Rev 1.0 (22FEB01)

REFLOW PROFILE

for AES4XXX series device family.

Special reflow conditions may be required for lead-free solder systems.

The AES4000 meets MRT classification moisture sensitivity, Level 3.

Preferred storage conditions: less than 30 degrees Celsius and 60% relative humidity.

- T1 = time to reach 85-105 C at nominal a rate of 3 C/second. Absolute maximum rate of 6C/second.

- T2 = 85 to 105 C for 20 to 120 seconds.

- T3 = time to reach 235 to 240 C at nominal a rate of 3 C/second from T2 temperature. Absolute maximum rate of 6C/second.

- T4 = time within 5C of peak temperature, 10-20 seconds. 85 to 105 C for 20 to 120 seconds.

- T5 = time to reach ambient from 235 to 240 C at nominal a rate of 3 C/second from T4 temperature. Absolute maximum rate of 6C/second.