



CHANGES:
(A) New

NEXT ASSY

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| SHEET | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | | | | | |
| SIZE | A4 | A4 | A4 | A3 | A3 | | | | | | | | | | | | | | |
| REV. | A | A | A | A | A | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | REV | DR-NUMBER | INIT. | DATE |

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| LUCENT TECHNOLOGIES NEDERLAND B.V. / WCND | | |
| DESIGNER: Jan Wielsma | DATE: | UNIT : ORINOCO MiniPCI-3a |
| SUPSD.BY: | SUPSDS: | NAME : BOARD ASSY SA8026 |
| SHEET: 1 OF 6 PageTotal | SCALE: | |

| ITEM | PART/DWG | REQD | NAME AND DESCRIPTION | NOTES |
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| COMCODE: | DOC. NO.: 014890 |
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| LUCENT TECHNOLOGIES NEDERLAND B.V. / WCND | | 014890 | |
| UNIT : ORINOCO MiniPCI-3a | SCALE: | | REV. A |
| NAME : BOARD ASSY SA8026 | | | SHEET 2 OF 6 |

| ITEM | PART/DWG | REQD | NAME AND DESCRIPTION | NOTES |
|------|----------|------|---------------------------------------|--|
| 1 | 000845 | 3 | CAP, 10uF, MURATA, GRM230Y5V106Z10 | C5 C34 C43 |
| 2 | 001748 | 2 | CAP, 1uF, MURATA, GRM40X5R105K10 | C2 C201 |
| 3 | 001749 | 1 | CAP, 2.2uF, MURATA, GRM40Y5V225Z10 | C7 |
| 4 | 001906 | 4 | IND, 10uH, MURATA, LQG21C100N00 | L201 L202 L203 L204 |
| 5 | 002052 | 2 | RES, 1.00, KOA, RK73H1JT1R00F | R4 R16 |
| 6 | 002236 | 1 | RES, 82.5, KOA, RK73H1JT82R5F | R236 |
| 7 | 002737 | 2 | CAP, 22nF, MURATA, GRM39X7R223K25 | C11 C261 |
| 8 | 002851 | 2 | IND, 1.8nH, COILCRAFT, 0603CS-1N8XKBC | L206 L208 |
| 9 | 002861 | 1 | IND, 39nH, COILCRAFT, 0603CS-39NXJBC | L13 |
| 10 | 002882 | 3 | IND, 12nH, TOKO, LL1608-FH12NJ | L3 L6 L210 |
| 11 | 002885 | 2 | IND, 22nH, TOKO, LL1608-FH22NJ | L4 L9 |
| 12 | 002886 | 2 | IND, 27nH, TOKO, LL1608-FH27NJ | L10 L15 |
| 13 | 002887 | 2 | IND, 33nH, TOKO, LL1608-FH33NJ | L7 L8 |
| 14 | 002889 | 2 | IND, 47nH, TOKO, LL1608-FH47NJ | L1 L14 |
| 15 | 002891 | 1 | IND, 68nH, TOKO, LL1608-FH68NJ | L205 |
| 16 | 002893 | 1 | IND, 100nH, TOKO, LL1608-FHR10J | L5 |
| 17 | 003244 | 3 | RES, 100, KOA, RK73H1ETP1000F | R239 R244 R257 |
| 18 | 003283 | 1 | RES, 255, KOA, RK73H1ETP2550F | R8 |
| 19 | 003290 | 4 | RES, 301, KOA, RK73H1ETP3010F | R37 R38 R323 R324 |
| 20 | 003296 | 1 | RES, 348, KOA, RK73H1ETP3480F | R10 |
| 21 | 003302 | 4 | RES, 402, KOA, RK73H1ETP4020F | R222 R223 R224 R225 |
| 22 | 003311 | 3 | RES, 499, KOA, RK73H1ETP4990F | R18 R207 R211 |
| 23 | 003334 | 2 | RES, 866, KOA, RK73H1ETP8660F | R214 R226 |
| 24 | 003340 | 6 | RES, 1.00k, KOA, RK73H1ETP1001F | R13 R14 R22 R40 R203 R208 |
| 25 | 003346 | 1 | RES, 1.15k, KOA, RK73H1ETP1151F | R212 |
| 26 | 003357 | 3 | RES, 1.50k, KOA, RK73H1ETP1501F | R12 R241 R242 |
| 27 | 003369 | 8 | RES, 2.00k, KOA, RK73H1ETP2001F | R17 R19 R32 R227 R230 R249 R311 R312 |
| 28 | 003396 | 1 | RES, 3.83k, KOA, RK73H1ETP3831F | R252 |
| 29 | 003402 | 1 | RES, 4.42k, KOA, RK73H1ETP4421F | R6 |
| 30 | 003405 | 1 | RES, 4.75k, KOA, RK73H1ETP4751F | R218 |
| 31 | 003431 | 1 | RES, 8.87k, KOA, RK73H1ETP8871F | R254 |
| 32 | 003436 | 11 | RES, 10.0k, KOA, RK73H1ETP1002F | R11 R15 R205 R206 R213 R228 R235 R246 R258 R325 R328 |
| 33 | 003453 | 1 | RES, 15.0k, KOA, RK73H1ETP1502F | R245 |
| 34 | 003465 | 7 | RES, 20.0k, KOA, RK73H1ETP2002F | R215 R229 R256 R259 R260 R261 R262 |
| 35 | 003485 | 6 | RES, 32.4k, KOA, RK73H1ETP3242F | R1 R20 R204 R219 R231 R233 |
| 36 | 003493 | 1 | RES, 39.2k, KOA, RK73H1ETP3922F | R238 |
| 37 | 003496 | 11 | RES, 42.2k, KOA, RK73H1ETP4222F | R3 R21 R28 R29 R30 R31 R34 R35 R247 R250 R319 |
| 38 | 003532 | 3 | RES, 100k, KOA, RK73H1ETP1003F | R209 R210 R220 |
| 39 | 003653 | 7 | CAP, 1.0pF, MURATA, GRM36COG1R0C50 | C23 C24 C33 C45 C50 C255 C283 |
| 40 | 003655 | 1 | CAP, 1.5pF, MURATA, GRM36COG1R5C50 | C46 |
| 41 | 003658 | 4 | CAP, 2.2pF, MURATA, GRM36COG2R2C50 | C47 C48 C56 C247 |
| 42 | 003662 | 2 | CAP, 3.9pF, MURATA, GRM36COG3R9C50 | C58 C271 |
| 43 | 003668 | 2 | CAP, 6.8pF, MURATA, GRM36COG6R8C50 | C241 C242 |
| 44 | 003671 | 5 | CAP, 8.2pF, MURATA, GRM36COG8R2C50 | C14 C17 C28 C266 C286 |
| 45 | 003673 | 3 | CAP, 10pF, MURATA, GRM36COG100C50 | C52 C60 C61 |
| 46 | 003675 | 23 | CAP, 12pF, MURATA, GRM36COG120J50 | C13 C15 C18 C21 |

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| LUCENT TECHNOLOGIES NEDERLAND B.V. / WCND | | 014890 |
| UNIT : ORINOCO MiniPCI-3a | SCALE: | REV. A |
| NAME : BOARD ASSY SA8026 | | SHEET 3 OF 6 |

| ITEM | PART/DWG | REQD | NAME AND DESCRIPTION | NOTES |
|------|----------|------|---|--|
| | | | | C26 C27 C32 C35 C49 C55 C221 C222 C238 C246 C249 C250 C254 C257 C259 C265 C284 C285 C290 |
| 47 | 003681 | 12 | CAP, 22pF, MURATA, GRM36COG220J50 | C53 C258 C263 C267 C269 C270 C275 C276 C278 C279 C280 C281 |
| 48 | 003683 | 2 | CAP, 27pF, MURATA, GRM36COG270J50 | C208 C209 |
| 49 | 003689 | 2 | CAP, 47pF, MURATA, GRM36COG470J50 | C204 C287 |
| 50 | 003699 | 7 | CAP, 120pF, MURATA, GRM36COG121J50 | C39 C54 C216 C264 C268 C272 C288 |
| 51 | 003714 | 13 | CAP, 1nF, MURATA, GRM36X7R102K50 | C20 C31 C59 C206 C210 C217 C219 C223 C224 C225 C227 C237 C239 C274 C277 |
| 52 | 003715 | 2 | CAP, 1.2nF, MURATA, GRM36X7R122K50 | C262 |
| 53 | 003719 | 1 | CAP, 2.7nF, MURATA, GRM36X7R272K50 | C10 |
| 54 | 003721 | 1 | CAP, 3.9nF, MURATA, GRM36X7R392K50 | C200 |
| 55 | 003726 | 1 | CAP, 10nF, MURATA, GRM36X7R103K16 | C215 C231 C232 |
| 56 | 003727 | 3 | CAP, 15nF, MURATA, GRM36Y5V153Z50 | C12 C9 C3 C6 C16 C22 C25 C29 C30 C40 C42 C44 C51 C57 C202 C203 C205 C207 C211 C212 C213 C214 C218 C220 C226 C228 C229 C230 C233 C234 C235 C236 C240 C243 C244 C245 C248 C251 C252 C253 C256 C260 C273 C282 |
| 57 | 003731 | 44 | CAP, 100nF, MURATA, GRM36Y5V104Z16 | L11 |
| 58 | 003856 | 1 | IND, 2.7nH, TOKO, LL1005-FH2N7S | L2 |
| 59 | 003859 | 1 | IND, 4.7nH, TOKO, LL1005-FH4N7K | L12 L207 |
| 60 | 003866 | 2 | IND, 18nH, TOKO, LL1005-FH18NK | R2 R24 R25 R33 R234 R255 R306 R314 R317 R318 R320 R322 |
| 61 | 005051 | 12 | RES, 0, KOA, RM73Z1ETD | R9 R23 R36 R201 R221 |
| 62 | 005076 | 5 | RES, 10, KOA, RM73B1ETP10RJ | R216 R217 |
| 63 | 005083 | 2 | RES, 20, KOA, RM73B1ETP20RJ | R243 |
| 64 | 005090 | 1 | RES, 39, KOA, RM73B1ETP39RJ | R7 |
| 65 | 005093 | 1 | RES, 51, KOA, RM73B1ETP51RJ | R327 |
| 66 | 005096 | 1 | RES, 68, KOA, RM73B1ETP68RJ | R200 |
| 67 | 005107 | 1 | RES, 200k, KOA, RM73B1ETP2003J | R232 |
| 68 | 005125 | 1 | RES, 1.0, KOA, RK73H2A1R0F | R237 |
| 69 | 005139 | 1 | RES, 3.9, KOA, RK73H2A3R9F | U207 |
| 70 | 010001 | 1 | SA2420, AIC, PHILIPS, SA2420 | Q2 Q204 |
| 71 | 010003 | 2 | BFP420, TRANSISTOR, SIEMENS, Q62702-F1591 | Q1 |
| 72 | 010009 | 1 | BFP450, TRANSISTOR, SIEMENS, Q62702-F1590 | U7 |
| 73 | 010004_ | 1 | MA-LC22.000MHz, AIC, USI, MA-LC22.000MHz | Q200 Q203 Q302 |
| 74 | 010011 | 3 | BC847BW, TRANSISTOR, PHILIPS, BC847BW | Q205 |
| 75 | 010012 | 1 | BC857BW, TRANSISTOR, PHILIPS, BC857BW | Q201 Q202 |
| 76 | 010016 | 2 | BCV62, TRANSISTOR, PHILIPS, BCV62B | D200 |
| 77 | 010017 | 1 | TLV431ACDBV5, DIODE, TEXAS, TLV431ACDBV5 | |

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| UNIT : ORINOCO MiniPCI-3a | SCALE: | | REV. A |
| NAME : BOARD ASSY SA8026 | | | SHEET 4 OF 6 |

| ITEM | PART/DWG | REQD | NAME AND DESCRIPTION | NOTES |
|------|----------|------|---|--------------------|
| 78 | 010019 | 2 | LFSN30N17C2450B, AIC, MURATA, LFSN30N17C2450B | U8 U16 |
| 79 | 010021 | 1 | BAR64_03W, DIODE, SIEMENS, BAR64-03W | D202 |
| 80 | 010023 | 1 | LFJ30_03B2450BA100, AIC, MURATA, LFJ30_03B2450BA100 | U9 |
| 81 | 010066 | 1 | LABEL_BOARD_LEVEL_8X32mm | |
| 82 | 010202 | 1 | emi_fil, CAP, NFM61R 4.7nF, MURATA, NFM61R30T472 | C1 |
| 83 | 010203 | 1 | BAR80, DIODE, SIEMENS, BAR80 | D201 |
| 84 | 010204 | 5 | BAR63_03W, DIODE, SIEMENS, BAR63-03W | D2 D3 D4 D301 D302 |
| 85 | 010206 | 2 | MIC5205, AIC, MICREL, MIC5205BM5 | U1 U6 |
| 86 | 010334 | 1 | BU4S71, MISC, ROHM, BU4S71 | U200 |
| 87 | 010464 | 1 | HSMS2852, DIODE, HP, HSMS2852 | D1 |
| 88 | 010827 | 1 | HERMES, DIC, LUCENT, HERMES | U2 |
| 89 | 011213 | 1 | SST29LE010, DIC, SST, SST29LE010-150-4C-WH | U12 |
| 90 | 011262 | 1 | CP0805B2442, AIC, AVX, CP0805B2442BW | U3 |
| 91 | 011276 | 2 | IND, BLM11B222, MURATA, BLM11B222 | L200 L209 |
| 92 | 012008 | 1 | MQE_911_704, AIC, MURATA, MQE_911-704 | U4 |
| 93 | 012080 | 2 | B3680, AIC, EPCOS, B39351-B3680-U310 | U10 U11 |
| 94 | 012094 | 2 | LP62S1024, DIC, ELITEMT, LP62S1024X-55LL | U214 U215 |
| 95 | 013003 | 2 | CONN_coaxial, CONN, HRS, CL331-0471-0-01 | J300 J301 |
| 96 | 013007 | 1 | M24C02, DIC, ST, m24c02-w-dw | U216 |
| 97 | 013008 | 1 | MQH_303_2096, AIC, MURATA, MQH-303-2096 | U14 |
| 98 | 013009 | 1 | PCI1410_144, DIC, TI, PCI1410GGU | U5 |
| 99 | 013013 | 1 | SA8026, AIC, PHILIPS, SA8026DH | U206 |
| 100 | 013018 | 1 | OPA337, AIC, BURR-BROWN, OPA337EA | U201 |
| 101 | 013024 | 1 | SA1630BR, AIC, PHILIPS, SA1630BR | U203 |
| 102 | 014733 | 1 | THESEUS_HS, DIC, LUCENT, 1198AE3 | U202 |
| 103 | 014891 | REF | SCHEMATIC | |
| 104 | 014892 | FILE | SOLDER_PASTE_A | |
| 105 | 014893 | FILE | SOLDER_PASTE_B | |
| 106 | 014894 | FILE | COMP_CENTER_LIST | |
| 107 | 014895 | 1 | BOARD_PRINTED | |
| 108 | 014968 | 1 | SHIELD-TOP-LONG-HIGH | |
| 109 | 014969 | 1 | SHIELD-TOP-SHORT-HIGH | |
| 110 | 014970 | 1 | SHIELD-TOP-LONG-LOW | |
| 111 | 014971 | 1 | SHIELD-BOTTOM | |
| 112 | 003854 | 1 | IND, 1.8nH , TOKO , LL1005-FH1N8S | L212 |

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| UNIT : ORINOCO MiniPCI-3a | SCALE: | | REV. A |
| NAME : BOARD ASSY SA8026 | | | SHEET 5 OF 6 |