

STEVAL-CCA009V1 BOM

April 2007

| Designator | Part Type             | Footprint                                    | Description                   | Trademark               | Trademark Ref.                | Comments  |
|------------|-----------------------|--|-------------------------------|-------------------------|-------------------------------|---|
| C1         | 1µF/10V X5R           | 0603   | Ceramic Capacitors            |                         |                               | X5R dielectric                                  |
| C2         | 1µF/10V X5R           | 0603   | Ceramic Capacitors            |                         |                               | X5R dielectric                                  |
| C3         | 1µF/10V X5R           | 0603   | Ceramic Capacitors            |                         |                               | X5R dielectric                                  |
| C4         | 2.2µF/10V X5R         | 0603   | Ceramic Capacitors            |                         |                               | X5R dielectric                                  |
| C5         | 2.2µF/10V X5R         | 0603   | Ceramic Capacitors            |                         |                               | X5R dielectric                                  |
| C6         | 2.2µF/10V X5R         | 0603   | Ceramic Capacitors            |                         |                               | X5R dielectric                                  |
| C7         | 2.2µF/10V X5R         | 0603   | Ceramic Capacitors            |                         |                               | X5R dielectric                                  |
| C8         | 2.2µF/10V X5R         | 0603   | Ceramic Capacitors            |                         |                               | X5R dielectric                                  |
| C9         | 2.2nF/50V X7R         | 0603   | Ceramic Capacitors            |                         |                               | X7R dielectric                                  |
| C10        | 2.2nF/50V X7R         | 0603   | Ceramic Capacitors            |                         |                               | X7R dielectric                                  |
| Cn1        |                       | Vertical SIP2 pitch 2.54mm (see pdf file)    | Connector                     | HARWIN                  |                               |   |
| Cn2        |                       | Vertical SIP4 pitch 2.54mm (see pdf file)    | Connector                     | HARWIN                  |                               |   |
| Cn3        |                       | Vertical SIP2 pitch 2.54mm (see pdf file)    | Connector                     | HARWIN                  |                               |   |
| Cn4        |                       | Vertical SIP2 pitch 2.54mm (see pdf file)    | Connector                     | HARWIN                  |                               | Do not place it                                 |
| Cn5        |                       | Vertical SIP2 pitch 2.54mm (see pdf file)    | Connector                     | HARWIN                  |                               | Do not place it                                 |
| Cn6        |                       | Vertical SIP2 pitch 2.54mm (see pdf file)    | Connector                     | HARWIN                  |                               |   |
| Cn7        |                       | Vertical SIP2 pitch 2.54mm (see pdf file)    | Connector                     | HARWIN                  |                               |   |
| Cn8        |                       | Vertical SIP3 pitch 2.54mm (see pdf file)    | Connector                     | HARWIN                  |                               |   |
| Cn9        |                       | Vertical SIP4 pitch 2.54mm (see pdf file)    | Connector                     | HARWIN                  |                               |   |
| D1         | 1N4148                | DO-35  | Diode                         |                         |                               |   |
| D2         | 1N4148                | DO-35  | Diode                         |                         |                               |   |
| J1         |                       | 3.5mm PCB headphone jack connector (see PDF) | jack connector                | LUMBERG                 | KLBR4                         |   |
| J2         |                       | PCB 90° female DB9 connector (see PDF)       | DB9 connector                 | TYCO ELECTRONICS / EDAC | 1-1634584-2 / 624-009-261-033 |   |
| J3         |                       | 2.54mm Pitch Jumper Sockets (see pdf file)   | Jumper                        | HARWIN                  | M7567-06                      | Placed on Cn3 by default                        |
| J4         |                       | 2.54mm Pitch Jumper Sockets (see pdf file)   | Jumper                        | HARWIN                  | M7567-06                      | Connected between 1 and 2 by default (Vcc side) |
| J5         |                       | 2.54mm Pitch Jumper Sockets (see pdf file)   | Jumper                        | HARWIN                  | M7567-06                      | Placed on Cn6 by default                        |
| J6         |                       | 2.54mm Pitch Jumper Sockets (see pdf file)   | Jumper                        | HARWIN                  | M7567-06                      | Placed on Cn7 by default                        |
| R1         | 12                    | 0603   | 1/16W 1% resistor             |                         |                               |   |
| R2         | 12                    | 0603   | 1/16W 1% resistor             |                         |                               |   |
| R3         | 1k                    | 0603   | 1/16W 1% resistor             |                         |                               |   |
| R4         | 180                   | 0603   | 1/16W 1% resistor             |                         |                               |   |
| R5         | 100                   | 0603   | 1/16W 1% resistor             |                         |                               |   |
| R6         | 10k                   | 0603   | 1/16W 1% resistor             |                         |                               |   |
| R7         | 10k                   | 0603   | 1/16W 1% resistor             |                         |                               |   |
| R8         | 2.2k                  | 0603   | 1/16W 1% resistor             |                         |                               |   |
| R9         | 1k                    | 0603   | 1/16W 1% resistor             |                         |                               |   |
| T1         | BS170                 | TO-92  | Small Signal N MOS Transistor |                         | BS170                         |   |
| U1         | TS4601                | Flip-chip 16                                 | Audio amplifier               | ST                      | TS4601BEIJT                   |   |
| U2         | KP1040, TLP521-4 (GB) | DIP16  | Quad Optocoupler              | COSMO, TOSHIBA          | KP1040, TLP521-4 (GB)         |   |