

| <i>Item</i> | <i>RefDes</i>                                                                                                                                                                                                                                                                                                                   | <i>Description</i>                                | <i>Manufacturer</i>                 | <i>Manufacturer's Part Number</i> |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------------------------------|-----------------------------------|
| 1           | PCB1                                                                                                                                                                                                                                                                                                                            | PCB                                               | Exception PCB                       | CDB47L35-M-1-REV2                 |
| 2           | U3                                                                                                                                                                                                                                                                                                                              | Smart Codec with Low Power Audio DSP              | Cirrus Logic International (UK) Ltd | CS47L35--CWZR                     |
| 3           | C9 C10 C11 C26 C28 C29                                                                                                                                                                                                                                                                                                          | 1uF 0402 SMD Ceramic Capacitor 10V X5R            | MuRata                              | GRM155R61A105KE15D                |
| 4           | J4                                                                                                                                                                                                                                                                                                                              | 2X3 2.54mm pitch PCB Pin Header VERTICAL          | Harwin                              | M20-9980345                       |
| 5           | 1V8 AVDD BCLK1 CPVDD2 DBVDD1 DBVDD2 DCVDD FLLVDD GND1 GND2 GND4 GND6 GND7 I2CSCLK I2CSDA IN1ALP IN1ARN IN1ALN IN1BRN IN1BLP IN1BLN IN2RP IN2RN IN2LP IN2LN IN1BRP IN1ARP IRQ LRCLK1 MCLK1 MCLK2 MICB2A MICB1B MICB1A MICB2B MICDET1 MICDET2 MICVDD PDMC PDMD RST RXD1 SLIMCLK SLIMDAT SPIMISO SPIMOSI SPISCLK SPISS SYSVDD TXD1 | 1x1 2.54mm pitch PCB Pin Header VERTICAL          | Harwin                              | M20-9990245                       |
| 6           | J3                                                                                                                                                                                                                                                                                                                              | 1x2 PCB Pin Header 0.1" VERTICAL                  | Harwin                              | M20-9990245                       |
| 7           | R11                                                                                                                                                                                                                                                                                                                             | 8R2 SM-2 SMD Power Resistor 5% 2W                 | TE Connectivity                     | SMW28R2JT                         |
| 8           | J2 J5                                                                                                                                                                                                                                                                                                                           | PCB mount 1X2 terminal block for 2.5mm wire guage | LUMBERG                             | KRM 02                            |
| 9           | C8 C12 C17                                                                                                                                                                                                                                                                                                                      | 2.2uF 0402 SMD Ceramic Capacitor 6.3V X5R         | Kemet                               | C0402C225M9PAC                    |
| 10          | R1 R3 R4 R5 R9 R15 R22 R23 R24 R29 R30 R32 R33 R34 R36 R37 R39 R40 R41 R42 R43 R44 R45 R46 R54 R55                                                                                                                                                                                                                              | 0R 0402 SMD chip resistor 1% 0.063W               | Multicomp                           | MC 0.0625W 0402 1% 0R             |
| 11          | R49 R51                                                                                                                                                                                                                                                                                                                         | 560R 0402 SMD chip resistor 1% 0.063W             | Multicomp                           | MC00625W04021560R                 |
| 12          | R10                                                                                                                                                                                                                                                                                                                             | Thick film Chip Resistor, 0402 1% 1K 0.063W       | Multicomp                           | 0402WGF1001TCE                    |
| 13          | R16                                                                                                                                                                                                                                                                                                                             | Thick film Chip Resistor, 0402 1% 10K 0.063W      | Multicomp                           | 0402WGF1002TCE                    |
| 14          | R12 R13                                                                                                                                                                                                                                                                                                                         | 0.1R 0402 SMD chip resistor 1% 0.063W             | WELWYN                              | LRCS0402-0R1FT5                   |
| 15          | U1                                                                                                                                                                                                                                                                                                                              | SN74AUC1G14 Single Schmitt-Trigger Inverter       | Texas Instruments                   | SN74AUC1G14DBVR                   |

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|-------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------------|
| 16          | U4                                     | 500mA Output Current, High Speed LDO Regulators, Thermal Shutdown Function, Ceramic Capacitor Compatible XC6214 Series - 3V3 SOT-89 | Torex               | XC6214P332PR                      |
| 17          | R38 R48 R50                            | Thick film Chip Resistor, 0402 0.5% 2K2 0.0625W                                                                                     | Yageo (Phycomp)     | RE0402DR-072K2L                   |
| 18          | C5 C7 C14 C15 C16 C18 C21 C22 C23 C24  | 4.7uF 0402 SMD Ceramic Capacitor 6.3V X5R                                                                                           | TAIYO YUDEN         | JMK105BBJ475MV-F                  |
| 19          | U2                                     | FDMA1024NZ Dual N-Channel Power Trench MOSFET                                                                                       | Fairchild           | FDMA1024NZ                        |
| 20          | L1                                     | 22uH Shielded SM Power 0.83A Inductor ' LPS4018 series'                                                                             | Coilcraft           | LPS4018-223ML                     |
| 21          | GND3 GND5                              | 1.32mm PCB Test Terminal BLACK                                                                                                      | Vero                | 20-2136                           |
| 22          | C25                                    | 470nF 0402 SMD Ceramic Capacitor 6.3V X5R                                                                                           | MuRata              | GRM155R60J474KE19D                |
| 23          | C3 C6 C20                              | 0.1uF 0402 SMD Ceramic Capacitor 16V X7R                                                                                            | MuRata              | GRM155R71C104KA88D                |
| 24          | R20                                    | 4R7 0603 SMD chip resistor 1% 0.1W                                                                                                  | Phycomp             | 232270464708                      |
| 25          | R7 R8 R14 R19                          | Thick film Chip Resistor, 0402 1% 33R 0.063W                                                                                        | Yageo (Phycomp)     | RC0402FR-0733RL                   |
| 26          | R35                                    | 1K2 0603 SMD chip resistor 1% 0.063W                                                                                                | Multicomp           | MC 0.063W 0603 1% 1K2             |
| 27          | R47 R56                                | 1R5 0603 SMD chip resistor 1% 0.063W                                                                                                | Multicomp           | MC 0.063W 0603 1% 1R5             |
| 28          | LNK_J3                                 | 0.1" OPEN JUMPER LINK YELLOW                                                                                                        | Protech             | 22-3570                           |
| 29          | J1                                     | 3.5mm 4 Pole Jack Socket SHOGYO                                                                                                     | Shogyo              | M03-935A0                         |
| 30          | APJ1 APJ2                              | 2x40 1.27mm pitch SFC Samtec SMT Header                                                                                             | Samtec              | SFC-140-T2-F-D-A                  |
| Unpop       |                                        |                                                                                                                                     |                     |                                   |
| 31          | C4 C30 C31                             | 1uF 0402 SMD Ceramic Capacitor 10V X5R                                                                                              | MuRata              | GRM155R61A105KE15D                |
| 32          | C27                                    | 10000pF 0402 SMD Ceramic Capacitor 16V X7R                                                                                          | AVX                 | 0402YC103KAT2A                    |
| 33          | R2 R17 R21 R25 R26 R27 R28 R31 R52 R53 | 0R 0402 SMD chip resistor 1% 0.063W                                                                                                 | Multicomp           | MC 0.0625W 0402 1% 0R             |
| 34          | R6                                     | Thick film Chip Resistor, 0402 1% 120R 0.063W                                                                                       | Multicomp           | MC 0.0625W 0402 1% 120R           |
| 35          | C1                                     | 47pF 0402 SMD Ceramic Capacitor 50V NPO                                                                                             | Kemet               | C0402C470J5GAC                    |
| 36          | C13 C19                                | 4.7uF 0402 SMD Ceramic Capacitor 6.3V X5R                                                                                           | TAIYO YUDEN         | JMK105BBJ475MV-F                  |
| 37          | C2                                     | 33uF 1206 SMD Ceramic Capacitor 6.3V X5R                                                                                            | TDK                 | C3216X5R0J336M                    |
| 38          | R18                                    | Thick film Chip Resistor, 0402 1% 33R 0.063W                                                                                        | Yageo (Phycomp)     | RC0402FR-0733RL                   |
| 39          | SP1 SP2 SP3 SP4 SP5 SP6                | Surface mount shorting point                                                                                                        | N/A                 | N/A                               |