



# Bill of Materials

OVI-C Bill of Materials For PCB Document [OVI-C.PcbDoc]

Source Data From: OVI-C.PcbDoc  
Project: OVI-C\_PROJECT.PrjPCB  
Variant: None

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| Footprint                | Comment            | #Column Name E | Designator  | Description  | Quantity |
|--------------------------|--------------------|----------------|---|--|----------|
| Capacitor 0805           | 1uF                |                | C1  | Capacitor  | 1        |
| Capacitor 0805           | 100nF              |                | C2, C3, C6, C11, C12, C13, C14, C15, C16, C17, C18, C19, C21, C24 | Capacitor  | 14       |
| Capacitor 0805           | 220nF Ceramic      |                | C4  | Capacitor  | 1        |
| CAP_ALLUM 1206           | 22uF               |                | C5, C20   | Capacitor  | 2        |
| Capacitor 0805           | 50uF               |                | C7  | Capacitor  | 1        |
| Capacitor 0805           | 4.7uF Ceramic      |                | C8  | Capacitor  | 1        |
| Capacitor 0805           | 10nF               |                | C9  | Capacitor  | 1        |
| Capacitor 0805           | 470nF              |                | C10   | Capacitor  | 1        |
| Capacitor 0805           | 18pF               |                | C22, C23, C25, C26  | Capacitor  | 4        |
| 1206                     | D Schottky         |                | D1, D6  | Schottky Diode   | 2        |
| led0805                  | LED1               |                | D2, D3, D4  | Typical RED, GREEN, YELLOW, AMBER GaAs LED, Typical RED GaAs LED | 3        |
| led0805                  | LED POWER          |                | D5  | Typical RED, GREEN, YELLOW, AMBER GaAs LED                       | 1        |
| led0805                  | USB_UP_LED         |                | D7  | Typical RED GaAs LED   | 1        |
| PinHead4 2mm             | I2C Bus            |                | M1  |  | 1        |
| DF13-2P-1.25DS           | 3V3 AUX            |                | M2  |  | 1        |
| DF13-8P-1.25DSA          | MOTOR OUTPUT       |                | M3  |  | 1        |
| DF13-2P-1.25DS           | Conector 2x1       |                | M4  |  | 1        |
| DF13-8P-1.25DSA          | RADIO              |                | M5  |  | 1        |
| PinHead8 2.54mm          | COLINKEX           |                | M6  |  | 1        |
| DF13-8P-1.25DSA          | DISPLAY            |                | M7  |  | 1        |
| PinHead4 2mm             | NOKIA6100 SPI1 BUS |                | M8  |  | 1        |
| Nokia6100 DF13-4P-1.25DS | NOKIA6100 MHDR1X4  |                | Nokia6100 P1  | Header, 4-Pin  | 1        |
| Resistor 0805            | 4k7                |                | R1, R4, R6  | Resistor   | 3        |
| Resistor 0805            | 10k                |                | R2, R10, R13, R14, R20, R24                                       | Resistor   | 6        |
| Resistor 0805            | 2k2                |                | R3, R21   | Resistor   | 2        |
| Resistor 0805            | 470R               |                | R5, R7, R9, R11   | Resistor   | 4        |
| Resistor 0805            | 47k                |                | R8  | Resistor   | 1        |
| Resistor 0805            | 12k                |                | R12   | Resistor   | 1        |
| Resistor 0805            | 100k               |                | R15   | Resistor   | 1        |
| Resistor 0805            | 33R                |                | R16, R17  | Resistor   | 2        |
| Resistor 0805            | 1k5                |                | R18   | Resistor   | 1        |
| Resistor 0805            | 100R               |                | R19   | Resistor   | 1        |
| Resistor 0805            | 330R               |                | R22   | Resistor   | 1        |
| Resistor 0805            | 560R               |                | R23   | Resistor   | 1        |
| SOT23 - 213              | BC857B             |                | T1  |  | 1        |
| SOT23 - 123              | MOSFET_NPN         |                | T2  |  | 1        |
| LGA-14                   | LSM303DLHC         |                | U1  | 3-axis Compass and accelerometer I2C Interface                   | 1        |
| AMS1111 MICRO            | AMS1111 uSD        |                | U2  | 3.3V Linear Regulator  | 1        |
| SDCARD                   | LPC175x            |                | U3  |  | 1        |
| SQFP50P14 00K1400-80L    | L3G4200D           |                | U4  |  | 1        |
| LGA16                    | MINI_USB_B         |                | U5  | Digital Gyroscope 3-axis   | 1        |
| USB_MINI_B               | 12MHz              |                | U6  |  | 1        |
| XTAL-3.2x5               |                    |                | X1  |  | 1        |

| Approved | Notes |
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