

## Bill of Materials

| Reference           | Count | Part Number          | Value         | Description                | Package       | Manufacturer |
|---------------------|-------|----------------------|---------------|----------------------------|---------------|--------------|
| U1                  | 1     | RTQ9297GQW-QT        | RTQ9297GQW-QT | Step-Up DC-DC Converter    | WDFN-10SL 3x3 | RICHTEK      |
| C2                  | 1     | 0603B102K500CT       | 1nF           | Capacitor, Ceramic 50V/X5R | 0603          | WALSIN       |
| C7                  | 1     | 0603B333K500CT       | 33nF          | Capacitor, Ceramic 25V/X7R | 0603          | WALSIN       |
| CIN0                | 1     | 0603X105K250CT       | 1 $\mu$ F     | Capacitor, Ceramic 25V/X5R | 0603          | WALSIN       |
| CIN1, CIN2          | 2     | EMK316AB7106KL-T     | 10 $\mu$ F    | Capacitor, Ceramic 16V/X7R | 1206          | TAIYO YUDEN  |
| COUT1, COUT2, COUT3 | 3     | MSAST31LAB7106KTNA01 | 10 $\mu$ F    | Capacitor, Ceramic 25V/X7R | 1206          | TAIYO YUDEN  |
| D1                  | 1     | SK34                 | 100V/3A       | Schottky Diodes            |               | PANJIT       |
| L1                  | 1     | LSXNH8080YBL4R7NJG   | 4.7 $\mu$ H   | Power Inductor             | 8x8mm         | TAIYO YUDEN  |
| R0                  | 1     | WR06X000 PTL         | 0             | Resistor, Chip 0603        | 0603          | WALSIN       |
| R1                  | 1     | RTT031693FTP         | 169k          | Resistor, Chip 0603        | 0603          | RALEC        |
| R2                  | 1     | RTT033092FTP         | 30.9k         | Resistor, Chip 0603        | 0603          | RALEC        |
| R3                  | 1     | WR06X5602FTL         | 56            | Resistor, Chip 0603        | 0603          | WALSIN       |

## More Information

For more information, please find the related datasheet or application notes from Richtek website <http://www.richtek.com>.

## Important Notice for Richtek Evaluation Board

THIS DOCUMENT IS FOR REFERENCE ONLY, NOTHING CONTAINED IN THIS DOCUMENT SHALL BE CONSTRUED AS RICHTEK'S WARRANTY, EXPRESS OR IMPLIED, UNDER CONTRACT, TORT OR STATUTORY, WITH RESPECT TO THE PRESENTATION HEREIN. IN NO EVENT SHALL RICHTEK BE LIABLE TO BUYER OR USER FOR ANY AND ALL DAMAGES INCLUDING WITHOUT LIMITATION TO DIRECT, INDIRECT, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES.