

**Bill of Materials**

| Reference                 | Qty | Part Number        | Description               | Package               | Manufacturer |
|---------------------------|-----|--------------------|---------------------------|-----------------------|--------------|
| U1                        | 1   | RTQ2158GQWTF-QA    | Step-Down DC-DC Converter | WET-WQFN-21L 4x4 (FC) | RICHTEK      |
| C1, C2, C9, C10, C11, C12 | 6   | GRM187R61A226ME15  | 22 $\mu$ F/10V/X5R        | 0603                  | MURATA       |
| C3, C5, C8                | 3   | 0603B104K500CT     | 100nF/50V/X7R             | 0603                  | WALSIN       |
| C4                        | 1   | GRM188R61E475KE11D | 4.7 $\mu$ F/10V/X5R       | 0603                  | MURATA       |
| L1                        | 1   | WURTH 744316022    | 0.47 $\mu$ H              | 5040                  | WE           |
| R1, R2                    | 2   | WR06X1003FTL       | 100k                      | 0603                  | WALSIN       |
| R3                        | 1   | WR06X20R0FTL       | 20                        | 0603                  | WALSIN       |
| R5, R6                    | 2   | RAT030000FTP       | 0                         | 0603                  | RALEC        |
| R7                        | 1   | WR06X1332FTL       | 13.3k                     | 0603                  | WALSIN       |
| R8                        | 1   | WR06X2002FTL       | 20k                       | 0603                  | WALSIN       |
| R9, R10, R11, R12         | 4   | WR06X1002FTL       | 10k                       | 0603                  | WALSIN       |

**More Information**

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

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