

Bill of Materials

| Reference | Qty | Part Number | Description | Package | Manufacturer |
|-----------------------------------|-----|----------------------|--------------------------------|-------------------|--------------|
| U1 | 1 | RT2660LGQV | DC-DC Converter | VQFN-20L 3.5x4 | RICHTEK |
| C3, C12, C16, CEN | 4 | C1608X7R1H104K080AA | 0.1 μ F/ \pm 10%/50V/X7R | C-0603 | TDK |
| CVCC | 1 | C2012X7R1E105KT | 1 μ F/25V/X7R | C-0805 | TDK |
| CC1 | 1 | 0603B332K500 | 3.3nF/50V/X7R | C-0603 | WALSIN |
| C1, C2, C11 | 3 | GRM219R60J226ME47D | 22 μ F/6.3V/X5R | C-0805 | muRata |
| C4, C5, C6, C7, C8, C9, C10 | 7 | GRM32ER61C47476KE15L | 47 μ F/16V/X5R | C-1210 | muRata |
| C13 | 1 | 0603N330J500 | 33pF/50V/np0 | C-0603 | WALSIN |
| C14 | 1 | 0603B103K500 | 10nF/50V/X7R | C-0603 | WALSIN |
| C15 | 1 | C2012X7R1H105KT | 1 μ F/50V/X7R | C-0805 | TDK |
| GP7 | 1 | | EN | | |
| GP8 | 1 | | PGOOD | | |
| GP9 | 1 | | VCC | | |
| GP10 | 1 | | COMP | | |
| GP11 | 1 | | VREF | | |
| GP12 | 1 | | REFIN | | |
| GP13 | 1 | | External Input | | |
| J1 | 1 | | VIN | | |
| J2 | 1 | | VOUT | | |
| J8 | 1 | | EN | | |
| J9, J10 | 2 | | COMP, REFIN | | |
| L1 | 1 | SPM5030T-R35M | 0.35 μ H/16.6A | 5.20 x 5.00mm | TDK |
| R21, R23, REN | 3 | 0603 10K 1% | Resistor, 10k Ω , 1% | R-0603 | WALSIN |
| RPG1, R29 | 2 | 0603 100K 1% | Resistor, 100k Ω , 1% | R-0603 | WALSIN |
| RC1 | 1 | 0603 5K1 1% | Resistor, 5.1k Ω , 1% | R-0603 | WALSIN |
| RC2 | 1 | 0603 6K8 1% | Resistor, 6.8k Ω , 1% | R-0603 | WALSIN |
| R1 | 1 | 0603 Jump 1% | Resistor, Jump, 1% | R-0603 | WALSIN |
| R22 | 1 | | Open | | |
| R24 | 1 | 0603 12K0 1% | Resistor, 12k Ω , 1% | R-0603 | WALSIN |
| R25 | 1 | 0603 22K0 1% | Resistor, 22k Ω , 1% | R-0603 | WALSIN |
| R26 | 1 | 0603 47K0 1% | Resistor, 33k Ω , 1% | R-0603 | WALSIN |
| R27 | 1 | 0603 68K0 1% | Resistor, 47k Ω , 1% | R-0603 | WALSIN |
| R28 | 1 | 0603 68K0 1% | Resistor, 68k Ω , 1% | R-0603 | WALSIN |
| SW2 | 1 | | SW-DIP_12 | | |

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|----------------|-----|-------------|-------------|---------|--------------|
| TP1 | 1 | | LX | | |
| TP2 | 1 | | BOOT | | |
| Z1, Z2, Z3, Z4 | 4 | | SIP-1P-M | | |
| Z5, Z6 | 2 | | FK | | |

More Information

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

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