

Bill of Materials

| Reference | Qty | Part Number | Description | Package | Manufacture |
|------------------------|-----|-------------|-------------------|------------------------|-------------|
| U1 | 1 | RT5047GSP | Voltage Regulator | SOP-8 (Exposed Pad) | RICHTEK |
| C1, C2, C3, C4, C5, C6 | 6 | | 10 μ F/50V | C-0805 | |
| C8 | 1 | | 100nF/25V | C-0603 | |
| C9 | 1 | | 0.1 μ F/50V | C-0805 | |
| C10 | 1 | | NC | | |
| R1, C7 | 2 | | NC | | |
| R2 | 1 | | NC | | |
| R3, R4, R6, R7 | 4 | | 4.7k | R-0603 | |
| R5 | 1 | | 12k | R-0603 | |
| R8 | 1 | | 4k | R-0603 | |
| L1 | 1 | | 10 μ H | L-NR8040_2 | |
| GP1, GP2, GP3 | 3 | | GND | SIP-1P-GP | |
| GP4 | 1 | | VIN | SIP-1P-GP | |
| GP5 | 1 | | LNB | SIP-1P-GP | |
| D1, D2, D3 | 3 | | SS14 | SS14 | |
| D4 | 1 | | SMDJ20A | D-SMC_DO-214_1 | |
| J1 | 1 | | TONE | SIP-3P | |
| J2 | 1 | | NC | SIP-3P | |
| J3 | 1 | | SEL | SIP-3P | |
| J4 | 1 | | EN | SIP-3P | |
| Z1, Z2 | 2 | | FK_1 | FK_1 | |
| Z3, Z4, Z5, Z6 | 4 | | SIP-1P-M | SIP-1P-M | |

More Information

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

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