

Bill of Materials

| Reference | Qty | Part number | Description | Package | Manufacture |
|------------------|-----|---------------------|---|---------------------|-------------|
| U1 | 1 | RT7272BGSP | DC/DC Converter | PSOP-8 | Richtek |
| C1, C2 | 2 | C3216X5R1H106K160AB | 10 μ F/ \pm 10%/50V/X5R Ceramic Capacitor | 1206 | TDK |
| C4, C5 | 2 | GRM32ER61C226KE20# | 22 μ F/ \pm 10%/16V/X5R Ceramic Capacitor | 1210 | Murata |
| C7 | 1 | 0603B272K500 | 2.7nF/ \pm 10%/50V/X7R Ceramic Capacitor | 0603 | WALSIN |
| C3, C6, C11 | 3 | C1608X7R1H104K080AA | 0.1 μ F/ \pm 10%/50V/X7R Ceramic Capacitor | 0603 | TDK |
| C8, C9, C12, C13 | 0 | | Not Installed | 0603 | |
| L1 | 1 | NR8040T4R7N | 4.7 μ H/4.1A/ \pm 30%, DCR=18m Ω , Inductor | 8.00mm x 8.00mm | TAIYO YUDEN |
| | | WE74437368047 | 4.7 μ H/19A/ \pm 20%, DCR=15m Ω , Inductor | 11mm x 10mm x 3.8mm | WE |
| R1 | 1 | | 75k Ω / \pm 1%, Resistor | 0603 | |
| R2 | 1 | | 24k Ω / \pm 1%, Resistor | 0603 | |
| R3 | 1 | | 13k Ω / \pm 1%, Resistor | 0603 | |
| R4 | 1 | | 100k Ω / \pm 1%, Resistor | 0603 | |
| R5, D1, D2 | 0 | | Not Installed | | |
| R6, RCAMP | 2 | | 0 Ω , Resistor | 0603 | |
| RLIM | 1 | | 137k Ω / \pm 1%, Resistor | 0603 | |
| TP | 4 | | Test Pin | | |
| GP | 4 | | Golden Pin | | |

More Information

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

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