

Bill of Materials

| Reference | Qty | Part number | Description | Package | Manufacture |
|-----------------|-----|---------------------|---|-------------|-------------|
| U1 | 1 | RT8296AHZSP | DC-DC Converter | PSOP-8 | Richtek |
| C1, C2 | 2 | C3216X5R1H106K160AB | 10uF/±10%/50V/X5R Ceramic Capacitor | 1206 | TDK |
| C4, C5 | 2 | GRM32ER61C226KE20# | 22uF/±10%/16V/X5R Ceramic Capacitor | 1210 | Murata |
| C7 | 1 | 0603B332K500 | 3.3nF/±10%/50V/X7R Ceramic Capacitor | 0603 | WALSIN |
| C3, C6, C10,C11 | 4 | C1608X7R1H104K080AA | 0.1uF/±10%/50V/X7R Ceramic Capacitor | 0603 | TDK |
| C8,C9,C12,C13 | 0 | | Not Installed | 0603 | |
| L1 | 1 | NR8040T100M | 10uH/3.1A/±20%, DCR=34mΩ, Inductor | 8mmx8mmx4mm | TAIYO YUDEN |
| R1 | 1 | | 75kΩ/±1%, Resistor | 0603 | |
| R2 | 1 | | 24kΩ/±1%, Resistor | 0603 | |
| R3 | 1 | | 13kΩ/±1%, Resistor | 0603 | |
| R4 | 1 | | 100kΩ/±1%, Resistor | 0603 | |
| R5 | 0 | | Not Installed | 0603 | |
| D1, D2 | 0 | | Not Installed | | |
| 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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