

Bill of Materials for the NCP3063DIPINV Evaluation Board

ON Semiconductor



| Designator | Quantity | Description | Value | Tolerance | Footprint | Manufacturer | Manufacturer Part Number | Substitution Allowed | RoHS Compliant |
|--------------------|----------|----------------------------------|---------------|-----------|-----------|------------------|--------------------------|----------------------|----------------|
| L501 | 1 | Inductor | 22 uH | 10% | RFB0810 | Coilcraft | RFB0810-220L | Yes | Yes |
| D501 | 1 | Schottky Rectifier | 1 A, 40 V | - | Axial | ON Semiconductor | 1N5819G | No | Yes |
| C501,C504, C506 | 3 | Ceramic Capacitor | 100 nF, 100 V | 10% | Axial | Kemet | C330C104K1R5TA | Yes | Yes |
| C502 | 1 | Electrolytic Capacitor | 470 uF, 25 V | 20% | Axial | Nippon Chemi-Con | ELXZ250ELL471MJ16S | Yes | Yes |
| C503 | 1 | Ceramic Capacitor | 2.2 nF, 100 V | 5% | Axial | AVX | SR201A222JAR | Yes | Yes |
| C505 | 1 | Electrolytic Capacitor | 470 uF, 35 V | 20% | Axial | Nippon Chemi-Con | ELXZ350ELL471MJ20S | Yes | Yes |
| R501 | 1 | Resistor | 0.15 Ohm, 3 W | 5% | Axial | Welwyn | W21-R15JI | Yes | Yes |
| R502 | 1 | Resistor | 16.9 kOhm | 1% | Axial | Vishay | MRS25000C1692F | Yes | Yes |
| R503 | 1 | Resistor | 1.96 kOhm | 1% | Axial | Vishay | MRS25000C1961F | Yes | Yes |
| R504 | 1 | Resistor | 0 Ohm | - | Axial | Yageo | ZOR-25-R | Yes | Yes |
| U501 | 1 | 1.5A, 150KHz Switching Regulator | - | - | PDIP | ON Semiconductor | NCP3063PG | No | Yes |