

# BD7F100EFJ-EVK-002 Parts list



| No. | Value          | Description                         | Size                 | Part Number / Series | Manufacturer |
|-----|----------------|-------------------------------------|----------------------|----------------------|--------------|
| C1  | 1 $\mu$ F      | Capacitor, Chip, 50V, X7R           | 2012                 | GRM21BR71H105KA12    | MURATA       |
| C2  | 4.7 $\mu$ F    | Capacitor, Chip, 50V, X7R           | 3216                 | GRM31CR71H475KA12    | MURATA       |
| C3  | -              | Notinstalled                        | -                    | -                    | -            |
| C4  | -              | Notinstalled                        | -                    | -                    | -            |
| C5  | 4700pF         | Capacitor, Chip, 50V, R             | 1005                 | GRM155R11H472KA01    | MURATA       |
| C6  | -              | Notinstalled                        | -                    | -                    | -            |
| C7  | 10 $\mu$ F     | Capacitor, Chip, 25V, X7R           | 3225                 | GRM32DR71E106KA12    | MURATA       |
| C8  | -              | Notinstalled                        | -                    | -                    | -            |
| C9  | 10 $\mu$ F     | Capacitor, Chip, 25V, X7R           | 3225                 | GRM32DR71E106KA12    | MURATA       |
| C10 | -              | Notinstalled                        | -                    | -                    | -            |
| C11 | -              | Notinstalled                        | -                    | -                    | -            |
| D1  | 1SS400SM       | Diode                               | 1608                 | 1SS400SM             | ROHM         |
| D2  | KDZ18B         | Diode, Zener                        | 3516                 | KDZ18B               | ROHM         |
| D3  | RB160MM-90     | Diode, Schottky                     | 3516                 | RB160MM-90           | ROHM         |
| D4  | -              | Notinstalled                        | -                    | -                    | -            |
| D5  | RB160MM-90     | Diode, Schottky                     | 3516                 | RB160MM-90           | ROHM         |
| D6  | -              | Notinstalled                        | -                    | -                    | -            |
| R1  | 1M $\Omega$    | Resistor, Chip, 1/16W, 1%           | 1005                 | MCR01MZPF1004        | ROHM         |
| R2  | 120k $\Omega$  | Resistor, Chip, 1/16W, 1%           | 1005                 | MCR01MZPF1203        | ROHM         |
| R3  | -              | Short                               | -                    | -                    | -            |
| R4  | 3.9k $\Omega$  | Resistor, Chip, 1/16W, 1%           | 1005                 | MCR01MZPF3901        | ROHM         |
| R5  | 76.8k $\Omega$ | Resistor, Chip, 1/16W, 1%           | 1005                 | MCR01MZPF7682        | ROHM         |
| R6  | 1k $\Omega$    | Resistor, Chip, 2/5W, 1%            | 2012                 | ESR10EZPF1001        | ROHM         |
| R7  | 4.7 k $\Omega$ | Resistor, Chip, 1/16W, 1%           | 1005                 | MCR01MZPF4701        | ROHM         |
| R8  | 4.7 k $\Omega$ | Resistor, Chip, 1/16W, 1%           | 1005                 | MCR01MZPF4701        | ROHM         |
| T1  | 50 $\mu$ H     | Transformer, Np:Ns=1:1:1, $\pm$ 20% | 13.5 x 20.0 x 12.5mm | CEP1311D-2415052R    | sumida       |
| U1  | BD7F100EFJ     | I.C. BD7F100EFJ                     | HTSOP-J8             | BD7F100EFJ           | ROHM         |

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