

# BD7693FJ-EVK-001 Parts list

| Item                                   | Specifications    | Parts name           | Manufacture         |
|--|-------------------|----------------------|---------------------|
| C1,C2,C3                               | 470 n, 310 Vac    | 890334025039CS       | WURTH ELECTRONIK    |
| C4,C15                                 | 0.1 uF, 630 Vdc   | 890303425004CS       | WURTH ELECTRONIK    |
| C5                                     | 220 u, 450 V      | LGN2W221MELA40       | NICHICON            |
| C6,C8,C9,C12,C19,D2,R4,R8,R16,R18,ZNR1 | NON MOUNTED       |                      |                     |
| C7                                     | 0.68 uF, 50 V     | 885012206051_        | WURTH ELECTRONIK    |
| C10                                    | 100 pF, 100 V     | HMK107SD101KA-T      | TAIYO YUDEN         |
| C11                                    | 220 pF, 2k V      | 885342209008         | WURTH ELECTRONIK    |
| C13,C14                                | 2200 pF, 300 V    | DE1E3RA222MJ4BP01F   | MURATA              |
| C16                                    | 0.01 uF, 50 V     | 885012206089_        | WURTH ELECTRONIK    |
| C18                                    | 33 uF, 50 V       | 86020672012_         | WURTH ELECTRONIK    |
| DA1                                    | 600 V, 15 A       | GBU15J-U1            | WILLAS Corp.        |
| D1                                     | FRD,10 A, 600 V   | RFNL10TJ6S           | ROHM                |
| D3                                     | 15A , 600 V       | RFNL15TJ6S           | ROHM                |
| D4,D6                                  | FRD, 0.5 A, 200 V | RF05VAM2S            | ROHM                |
| F1                                     | 250 Vac, 6.3 A    | VBS UDA-A6.30A       | TAN DOE Corp.       |
| IC1                                    |                   | BD7693FJ             | ROHM                |
| Q1                                     | 600 V, 24 A       | R6024KNX             | ROHM                |
| R1                                     | 820 kΩ            | KTR18EZPF8203        | ROHM                |
| R2                                     | 750 kΩ            | KTR18EZPF7503        | ROHM                |
| R3                                     | 10 kΩ             | MCR03EZPFX1002       | ROHM                |
| R5,R6                                  | 680 kΩ            | KTR18EZPJ684         | ROHM                |
| R7                                     | 6.8 kΩ            | MCR03EZPJ682         | ROHM                |
| R10                                    | 100 Ω             | MCR18EZPJ101         | ROHM                |
| R11                                    | 10 Ω              | MCR18EZPJ100         | ROHM                |
| R12                                    | 220 Ω             | MCR18EZPJ221         | ROHM                |
| R13                                    | 15 kΩ             | MCR18EZPJ153         | ROHM                |
| R14,R15                                | 220 mΩ            | LTR50EZPZFLR220      | ROHM                |
| R17                                    | 10 Ω              | ERG2SJ100V           | PANASONIC           |
| TH1                                    | 2 Ω, 4 A          | 2D2-13LD             | SEMITEC             |
| R20,R21,R22                            | 130 kΩ            | MCR18EZPJ134         | ROHM                |
| R23,R24                                | 100 kΩ            | MCR18EZPJ104         | ROHM                |
| R25                                    | 22 kΩ             | MCR18EZPJ223         | ROHM                |
| FL1                                    | 35 mH / 3.5 A     | 7748040435_          | WURTH ELECTRONIK    |
| FL2                                    | 15 mH             | GSTC1810-153N        | GANG SONG           |
| HEAT1,HEAT3                            | 11.5 K/W          | 30PBE30-30B          | MARUSAN ELECTRONICS |
| HEAT2                                  | 22.9 k/W          | IC-1625-STL          | SANKYO THRMOTEC     |
| CN1                                    | 3pin              | B03P - NV(LF)(SN)    | JST                 |
| CN2                                    | 3pin              | 691137910003_        | WURTH ELECTRONIK    |
| L1                                     | 230 uH 7.4A       | PFC3819QM-231K07D-50 | TDK                 |
| L2                                     | 90 uH             | 7447013_             | WURTH ELECTRONIK    |
| L3                                     | 10 uH             | 744750420100_        | WURTH ELECTRONIK    |

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