

STEVAL-TDR028V1 - Bill of Material

| Item | Code | Description | Unit | Qty |
|------|----------|---|------|-----|
| A1 | DMC10007 | Copper Baseplate | PZ | 1 |
| A2 | PCB10009 | Input Printed Circuit Board | PZ | 1 |
| A3 | PCB10010 | Output Printed Circuit Board | PZ | 1 |
| C1 | CCB01N0A | SMD Multilayer Ceramic Capacitor, 0805, 1n0, 50V, NP0, ±5% | PZ | 1 |
| C2 | CCB01N0A | SMD Multilayer Ceramic Capacitor, 0805, 1n0, 50V, NP0, ±5% | PZ | 1 |
| C3 | CHB27P0A | HI-Q Porcelain Multilayer Capacitor, 100B, 27p, 500V, ±5% | PZ | 1 |
| C4 | CHB12P0B | HI-Q Porcelain Multilayer Capacitor, 100B, 12p, 500V, ±5% | PZ | 1 |
| C5 | CCB56P0A | SMD Multilayer Ceramic Capacitor, 0805, 56p, 50V, NP0, ±2% | PZ | 1 |
| C7 | CCB01N0A | SMD Multilayer Ceramic Capacitor, 0805, 1n0, 50V, NP0, ±5% | PZ | 1 |
| C9 | CCB01N0A | SMD Multilayer Ceramic Capacitor, 0805, 1n0, 50V, NP0, ±5% | PZ | 1 |
| C10 | CER220UE | Radial Electrolytic Capacitor 220u, 63V, 105°(10x15) | PZ | 1 |
| C11 | CCD100NB | SMD Multilayer Ceramic Capacitor 1210, 100n, 100V, X7R, ±10% | PZ | 1 |
| C12 | CHB470PA | HI-Q Porcelain Multilayer Capacitor, 100B, 470p, 200V, ±5% | PZ | 1 |
| C13 | CCD02N2A | SMD Multilayer Ceramic Capacitor 1812, 2n2, 500V, X7R, ±10% | PZ | 1 |
| C14 | CCB470PA | SMD Multilayer Ceramic Capacitor, 0805, 470p, 50V, NP0, ±5% | PZ | 1 |
| D1 | GAB00040 | BAV70 SMD Double Diode (Common K), 70V, 150mA, SOT23 | PZ | 1 |
| FCS1 | DFE09006 | Output strip Heatsink | PZ | 1 |
| L1 | JDD00020 | Silverplated Copper Wire diam. 1.5mm | CM | 8 |
| L2 | BBA00160 | Toroidal Power Inductor 1.2uH 10A | PZ | 1 |
| Q1 | TMR00080 | STAC2942 - N-Channel Mosfet 350W 50V | PZ | 1 |
| R1 | RSA08R2A | SMD Resistor, 0805, 8R2, 1/8W, 1% | PZ | 1 |
| R2 | RSA08R2A | SMD Resistor, 0805, 8R2, 1/8W, 1% | PZ | 1 |
| R3 | RSA08R2A | SMD Resistor, 0805, 8R2, 1/8W, 1% | PZ | 1 |
| R4 | RSC18R0A | SMD Power Resistor, 2512, 18R, 1W, 5% | PZ | 1 |
| R5 | RSA08R2A | SMD Resistor, 0805, 8R2, 1/8W, 1% | PZ | 1 |
| R6 | RSA08R2A | SMD Resistor, 0805, 8R2, 1/8W, 1% | PZ | 1 |
| R7 | RSA08R2A | SMD Resistor, 0805, 8R2, 1/8W, 1% | PZ | 1 |
| R8 | RSC18R0A | SMD Power Resistor, 2512, 18R, 1W, 5% | PZ | 1 |
| R9 | RSC12R0B | SMD HIGH Power Resistor, 2512, 12R, 70W, 5% Aluminium Nitride | PZ | 1 |
| R10 | RSA08R2A | SMD Resistor, 0805, 8R2, 1/8W, 1% | PZ | 1 |
| R11 | RSA08R2A | SMD Resistor, 0805, 8R2, 1/8W, 1% | PZ | 1 |
| R12 | RSA08R2A | SMD Resistor, 0805, 8R2, 1/8W, 1% | PZ | 1 |
| R13 | RSA08R2A | SMD Resistor, 0805, 8R2, 1/8W, 1% | PZ | 1 |
| R14 | RSA08R2A | SMD Resistor, 0805, 8R2, 1/8W, 1% | PZ | 1 |
| R15 | RSA08R2A | SMD Resistor, 0805, 8R2, 1/8W, 1% | PZ | 1 |
| R16 | RSA100RA | SMD Resistor, 0805, 100R, 1/8W, 1% | PZ | 1 |
| R17 | RSA01K0A | SMD Resistor, 0805, 1k0, 1/8W, 1% | PZ | 1 |
| R18 | RSA10K0A | SMD Resistor, 0805, 10k, 1/8W, 1% | PZ | 1 |
| R19 | RSC10R0A | SMD Power Resistor, 2512, 10R, 1W, 5% | PZ | 1 |
| R20 | RSA10K0A | SMD Resistor, 0805, 10k, 1/8W, 1% | PZ | 1 |
| RT1 | RTA10K0A | SMD Single-Turn Trimmer Resistor 4mm, 10k, 1/4W, 20% | PZ | 1 |