

## STEVAL-TDR029V1 - Bill of Material

Item	Code	Description	Unit	Qty
A1	DMC10008	Copper Baseplate Carrier	PZ	1
A2	PCB10007	Input Printed Circuit Board	PZ	1
A3	PCB10008	Output Printed Circuit Board	PZ	1
C1	CCB470PA	SMD Multilayer Ceramic Capacitor, 0805, 470p, 50V, NP0, ±5%	PZ	1
C2	CCB470PA	SMD Multilayer Ceramic Capacitor, 0805, 470p, 50V, NP0, ±5%	PZ	1
C3	CER220UE	Radial Electrolytic Capacitor 220u, 63V, 105°(10x15)	PZ	1
C4	CCD100NB	SMD Multilayer Ceramic Capacitor 1210, 100n, 100V, X7R, ±10%	PZ	1
C5	CCB01N0A	SMD Multilayer Ceramic Capacitor, 0805, 1n0, 50V, NP0, ±5%	PZ	1
C6	CCD02N2A	SMD Multilayer Ceramic Capacitor 1812, 2n2, 500V, X7R, ±10%	PZ	1
C7	CHB470PA	HI-Q Porcelain Multilayer Capacitor, 100B, 470p, 200V, ±5%	PZ	1
C9	CCB01N0A	SMD Multilayer Ceramic Capacitor, 0805, 1n0, 50V, NP0, ±5%	PZ	1
C10	CHB12P0B	HI-Q Porcelain Multilayer Capacitor, 100B, 12p, 500V, ±5%	PZ	1
C11	CHB18P0A	HI-Q Porcelain Multilayer Capacitor, 100B, 18p, 500V, ±5%	PZ	1
C14	CCB01N0A	SMD Multilayer Ceramic Capacitor, 0805, 1n0, 50V, NP0, ±5%	PZ	1
C15	CCB33P0A	SMD Multilayer Ceramic Capacitor, 0805, 33p, 50V, NP0, ±3%	PZ	1
C17	CCB01N0A	SMD Multilayer Ceramic Capacitor, 0805, 1n0, 50V, NP0, ±5%	PZ	1
C19	CCB18P0A	SMD Multilayer Ceramic Capacitor, 0805, 18p, 50V, NP0, ±2%	PZ	1
C21	CCB22P0A	SMD Multilayer Ceramic Capacitor, 0805, 22p, 50V, NP0, ±2%	PZ	1
C22	CCB22P0A	SMD Multilayer Ceramic Capacitor, 0805, 22p, 50V, NP0, ±2%	PZ	1
C23	CCB12P0A	SMD Multilayer Ceramic Capacitor, 0805, 12p, 50V, NP0, ±2%	PZ	1
C24	CCB10P0A	SMD Multilayer Ceramic Capacitor, 0805, 10p, 50V, NP0, ±2%	PZ	1
C25	CCB01N0A	SMD Multilayer Ceramic Capacitor, 0805, 1n0, 50V, NP0, ±5%	PZ	1
C27	CHB39P0A	HI-Q Porcelain Multilayer Capacitor, 100B, 39p, 500V, ±5%	PZ	1
C28	CHB39P0A	HI-Q Porcelain Multilayer Capacitor, 100B, 39p, 500V, ±5%	PZ	1
C29	CHB15P0A	HI-Q Porcelain Multilayer Capacitor, 100B, 15p, 500V, ±5%	PZ	1
C30	CHB15P0A	HI-Q Porcelain Multilayer Capacitor, 100B, 15p, 500V, ±5%	PZ	1
C31	CHB47P0A	HI-Q Porcelain Multilayer Capacitor, 100B, 47p, 500V, ±5%	PZ	1
C32	CHB47P0A	HI-Q Porcelain Multilayer Capacitor, 100B, 47p, 500V, ±5%	PZ	1
C33	CHB18P0A	HI-Q Porcelain Multilayer Capacitor, 100B, 18p, 500V, ±5%	PZ	1
C34	CHB18P0A	HI-Q Porcelain Multilayer Capacitor, 100B, 18p, 500V, ±5%	PZ	1
C36	CCB01N0A	SMD Multilayer Ceramic Capacitor, 0805, 1n0, 50V, NP0, ±5%	PZ	1
C38	CHB18P0A	HI-Q Porcelain Multilayer Capacitor, 100B, 18p, 500V, ±5%	PZ	1
C40	CHB12P0B	HI-Q Porcelain Multilayer Capacitor, 100B, 12p, 500V, ±5%	PZ	1
C41	CCB33P0A	SMD Multilayer Ceramic Capacitor, 0805, 33p, 50V, NP0, ±3%	PZ	1
C42	CCB470PA	SMD Multilayer Ceramic Capacitor, 0805, 470p, 50V, NP0, ±5%	PZ	1
C43	CCB01N0A	SMD Multilayer Ceramic Capacitor, 0805, 1n0, 50V, NP0, ±5%	PZ	1
C44	CER220UE	Radial Electrolytic Capacitor 220u, 63V, 105°(10x15)	PZ	1
C45	CCB01N0A	SMD Multilayer Ceramic Capacitor, 0805, 1n0, 50V, NP0, ±5%	PZ	1
C46	CHB470PA	HI-Q Porcelain Multilayer Capacitor, 100B, 470p, 200V, ±5%	PZ	1
C47	CCD100NB	SMD Multilayer Ceramic Capacitor 1210, 100n, 100V, X7R, ±10%	PZ	1
C48	CCB470PA	SMD Multilayer Ceramic Capacitor, 0805, 470p, 50V, NP0, ±5%	PZ	1
C49	CCD02N2A	SMD Multilayer Ceramic Capacitor 1812, 2n2, 500V, X7R, ±10%	PZ	1
D1	GAB00040	BAV70 SMD Double Diode (Common K), 70V, 150mA, SOT23	PZ	1
D2	GAB00040	BAV70 SMD Double Diode (Common K), 70V, 150mA, SOT23	PZ	1
DZ1	GBC03V9A	SMD Zener Diode, 3V9, 400mW, 5%, Micromelf	PZ	1
DZ2	GBC03V9A	SMD Zener Diode, 3V9, 400mW, 5%, Micromelf	PZ	1
FC1	BFB00020	Double Aperture Core FT8/F40	PZ	1
FC2	BFB00030	Small ferrite tubes Zr 15,5x6x24 /F100b	PZ	1
FC3	BFB00030	Small ferrite tubes Zr 15,5x6x24 /F100b	PZ	1
FCS1	DFE09006	Output strip Heatsink	PZ	2
L1	BBA00160	Toroidal Power Inductor 1.2uH 10A	PZ	1
L2	JDD00020	Silverplated Copper Wire diam. 1.5mm	CM	8
L5	BSR68N0A	SMD Air Core Inductor 68nH, 5%, 3A	PZ	1
L6	BSR47N0A	SMD Air Core Inductor 47nH, 5%, 3A	PZ	1

L8	JDD00020	Silverplated Copper Wire diam. 1.5mm	CM	12
L11	JDD00020	Silverplated Copper Wire diam. 1.5mm	CM	8
L12	BBA00160	Toroidal Power Inductor 1.2uH 10A	PZ	1
Q1	TMR00080	STAC2942 - N-Channel Mosfet 350W 50V	PZ	1
Q2	TMR00080	STAC2942 - N-Channel Mosfet 350W 50V	PZ	1
R1	RSA47R0A	SMD Resistor, 0805, 47R, 1/8W, 1%	PZ	1
R2	RSC03K3A	SMD Power Resistor, 2512, 3k3, 1W, 5%	PZ	1
R3	RSA01K0A	SMD Resistor, 0805, 1k0, 1/8W, 1%	PZ	1
R4	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R5	RSC10R0A	SMD Power Resistor, 2512, 10R, 1W, 5%	PZ	1
R6	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R7	RSA39K0A	SMD Resistor, 0805, 39k, 1/8W, 1%	PZ	1
R8	RSA10K0A	SMD Resistor, 0805, 10k, 1/8W, 1%	PZ	1
R9	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	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	RSC18R0A	SMD Power Resistor, 2512, 18R, 1W, 5%	PZ	1
R14	RSC12R0B	SMD HIGH Power Resistor, 2512, 12R, 70W, 5% Aluminium Nitride	PZ	1
R15	RSC18R0A	SMD Power Resistor, 2512, 18R, 1W, 5%	PZ	1
R16	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R17	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R18	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R19	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R20	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R21	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R22	RAE100RA	Metal Oxide Axial Power Resistor, 100R, 4W@70°, 5%	PZ	1
R23	RFB100RC	High Power RF Resistor, 100R, 250W, 5%	PZ	1
R24	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R25	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R26	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R27	RSC18R0A	SMD Power Resistor, 2512, 18R, 1W, 5%	PZ	1
R28	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R29	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R30	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R31	RSC18R0A	SMD Power Resistor, 2512, 18R, 1W, 5%	PZ	1
R32	RSC12R0B	SMD HIGH Power Resistor, 2512, 12R, 70W, 5% Aluminium Nitride	PZ	1
R33	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R34	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R35	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R36	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R37	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R38	RSA01K0A	SMD Resistor, 0805, 1k0, 1/8W, 1%	PZ	1
R39	RSA08R2A	SMD Resistor, 0805, 8R2, 1/8W, 1%	PZ	1
R40	RSA39K0A	SMD Resistor, 0805, 39k, 1/8W, 1%	PZ	1
R41	RSA10K0A	SMD Resistor, 0805, 10k, 1/8W, 1%	PZ	1
R42	RSC10R0A	SMD Power Resistor, 2512, 10R, 1W, 5%	PZ	1
RT1	RTA10K0A	SMD Single-Turn Trimmer Resistor 4mm, 10k, 1/4W, 20%	PZ	1
RT2	RTA10K0A	SMD Single-Turn Trimmer Resistor 4mm, 10k, 1/4W, 20%	PZ	1
T3	PCB03062	25 Ohm PCB Transformer for Binocular Ferrite Core	PZ	1
T4	PCB10013	Combiner Printed Circuit Board	PZ	1