

**STEVAL-TSP006V2**

Item	Reference	Description	Value	PCB Footprint	Supplier	Voltage
1	C1	Ceramic Capacitor	1nF	C0805	Several	100V
2	C2	Ceramic Capacitor	0.1uF	C0805	Several	100V
3	C5	Ceramic Capacitor	10nF	C0603	Several	100V
4	C7	Ceramic Capacitor	10nF	C0603	Several	100V
5	C10	Ceramic Capacitor	1nF	C0805	Several	100V
6	C11	Ceramic Capacitor	0.1uF	C0805	Several	100V
7	C12	Elect. Capacitor	22uF	C-POL8-10	Panasonic EEFK2A220P	100V
8	C13	Ceramic Capacitor	1nF	C0805	Several	100V
9	C14	Ceramic Capacitor	0.1uF	C0603	Several	50V
10	C15	Ceramic Capacitor	0.1uF	C0805	Several	100V
11	C16	Ceramic Capacitor	10nF	C0603	Several	100V
12	C17	Ceramic Capacitor	1uF	C1206	Several	100V
13	C18	Ceramic Capacitor	1nF	C0603	Several	100V
14	C19	Ceramic Capacitor	1nF	C0603	Several	100V
15	C20	Ceramic Capacitor	1uF	C1206	Several	100V
16	C21	Ceramic Capacitor	470pF	C0603	Several	50V
17	C22	Ceramic Capacitor	0.1uF	C0603	Several	50V
18	C23	Ceramic Capacitor	0.1uF	C0603	Several	50V
19	C24	Ceramic Capacitor	1nF	C0805	Several	200V
20	C26	Ceramic Capacitor	1nF	C0805	Several	200V
21	C27	Ceramic Capacitor	NM	C0805	Several	50V
22	C28	Ceramic Capacitor	1uF	C0603	TDK C1608X5R1E105K	25V
23	C29	Ceramic Capacitor	1nF	C0805	Several	200V
24	C30	Ceramic Capacitor	2.2nF	C1812	TDK 4532X7R3D222K	2KV
25	C31	Ceramic Capacitor	1nF	C0805	Several	200V
26	C33	Ceramic Capacitor	0.1uF	C0603	Several	50V
27	C35	Ceramic Capacitor	2.2nF	C1812	TDK 4532X7R3D222K	2KV
28	C37	Ceramic Capacitor	560pF	C0805	Several	50V
29	C38	Ceramic Capacitor	22uF	C1206	TDK C3216X5R1E226M	16V
30	C41	Ceramic Capacitor	22uF	C1206	TDK C3216X5R1E226M	16V
31	C42	Ceramic Capacitor	1uF	C0603	Several	16V
32	C47	Ceramic Capacitor	22uF	C1206	TDK C3216X5R1E226M	16V
33	C48	Ceramic Capacitor	1uF	C0603	TDK C1608X5R1E105K	25V
34	C51	Ceramic Capacitor	22nF	C0603	Several	50V
35	C53	Elect. Capacitor	330uF	C-POL8-6_3	Panasonic EEFK1C331P	16V
36	C54	Ceramic Capacitor	100pF	C0603	Several	50V
37	C56	Ceramic Capacitor	0.1uF	C0603	Several	50V
38	D3	Diode Bridge	DF01S	DF01S	Diodes	
39	D5	Zener Diode	BZX84C10	SOT23	Several	
40	D10	Diode Bridge	DF01S	DF01S	Diodes	
41	D14	Diode	STTH2R02A	SMA	STMicroelectronics	
42	D15	Diode	STTH2R02A	SMA	STMicroelectronics	

43	D18	TVS Diode	SMAJ58A	SMA	STMicroelectronics	
44	D19	LED Diode	Green LED	LED-TLGE1100B	Toshiba	
45	D21	Diode	BAT46J	SOD323	STMicroelectronics	
46	D23	Diode	BAT46J	SOD323	STMicroelectronics	
47	D28	Schottky Diode	PMEG3050EP	SOD128	NXP	
48	D29	Diode	BAT46J	SOD323	STMicroelectronics	
49	D30	Diode	BAT46J	SOD323	STMicroelectronics	
50	D36	LED Diode	Green LED	LED-TLGE1100B	Toshiba	
51	J1	Connector	RJ45 Data and Power Jack	RJ45-8PIN	Several	
52	J2	Connector	RJ45 Data Jack	RJ45-8PIN	Several	
53	J3	Connector	CON3	P-JACK-RAPC722	Switchcraft	
54	J4	Connector	CON3	P-JACK-RAPC722	Switchcraft	
55	J6	Connector	MOR-10X10.5-P5-2PIN	MOR-2POLI-508	Several	
56	L1	Inductor	5.6 uH	ME3220-562ML	Coilcraft	
57	L4	Inductor	0.33uH	LPS4012-331L	Coilcraft	
58	Q1	Mosfet	STS4NF100 (suggested replacement: STS5N15F4)	SO8	STMicroelectronics	
59	Q2	Mosfet	FDN86246	SOT23	Fairchild	
60	R1	Resistor	15K	R0805	Several	
61	R2	Resistor	47K	R0805	Several	
62	R3	Resistor	47K	R0805	Several	
63	R4	Resistor	470K	R0805	Several	
64	R5	Resistor	15K	R0805	Several	
65	R8	Resistor	10k	R0603	Several	
66	R10	Resistor	10k	R0603	Several	
67	R11	Resistor	52R3-1%	R0805	Several	
68	R13	Resistor	22k1-1%	R0603	Several	
69	R14	Resistor	10R	R0603	Several	
70	R15	Resistor	0R0	R0805	Several	
71	R16	Resistor	0R0	R0805	Several	
72	R17	Resistor	124k-1%	R0603	Several	
73	R19	Resistor	510R	R0603	Several	
74	R20	Resistor	4k7	R0603	Several	
75	R23	Resistor	0R0	R0805	Several	
76	R24	Resistor	75R	R0805	Several	
77	R25	Resistor	56R	R0805	Several	
78	R27	Resistor	75R	R0805	Several	
79	R29	Resistor	75R	R0805	Several	
80	R30	Resistor	NM	R1206	Several	
81	R31	Resistor	75R	R0805	Several	
82	R32	Resistor	10R	R0603	Several	
83	R33	Resistor	10k	R0603	Several	
84	R35	Sense Resistor	0.33 ohm-1%	R1206	Vishay - RCWE1206R330FKE	
85	R36	Resistor	560R	R0603	Several	

86	R37	Resistor	0R0	R0603	Several	
87	R40	Resistor	4R7	R1206	Several	
88	R43	Resistor	0R0	R0805	Several	
89	R44	Resistor	0R0	R1206	Several	
90	R45	Resistor	47K	R0603	Several	
91	R48	Resistor	390R	R0603	Several	
92	R50	Resistor	10R	R0603	Several	
93	R51	Resistor	NM	R0603	Several	
94	R52	Resistor	3K3-1%	R0603	Several	
95	R54	Resistor	2k2	R0603	Several	
96	R55	Resistor	21k - 1%	R0603	Several	
97	R56	Resistor	12.4k - 1%	R0603	Several	
98	TP1	Test Point	Red	TH-5013	Keystone	
99	TP2	Test Point	BLACK	TH-5013	Keystone	
100	TP3	Test Point	Red	TH-5013	Keystone	
101	TP4	Test Point	BLACK	TH-5013	Keystone	
102	TP6	Test Point	Red	TH-5013	Keystone	
103	TP7	Test Point	BLACK	TH-5013	Keystone	
104	TP8	Test Point	Red	TH-5013	Keystone	
105	TP9	Test Point	BLACK	TH-5013	Keystone	
106	TP10	Test Point	Red	TH-5013	Keystone	
107	TP11	Test Point	Red	TH-5013	Keystone	
108	TP12	Test Point	BLACK	TH-5013	Keystone	
109	TP13	Test Point	Red	TH-5013	Keystone	
110	TP14	Test Point	Red	TH-5013	Keystone	
111	TP16	Test Point	Red	TH-5013	Keystone	
112	TP17	Test Point	Red	TH-5013	Keystone	
113	TP19	Test Point	BLACK	TH-5013	Keystone	
114	T1	Data Transfo	H2019NL / TLA-6T127LF	Pulse-H2019	Pulse	
115	T3	Power Transfo	POE13P-33L	POE13P	Coilcraft	
116	U1	Controller IC	PM8800A	HTSSOP16	STMicroelectronics	
117	U2	Optocoupler	Fairchild FOD817A	FOD817	Fairchild	
118	U5	Voltage Reference	TS431AILT	SOT23-5L	STMicroelectronics	